



M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

Criterion 1– Curricular Aspects

1.1 Curriculum Planning and Implementation

1.1.1





MVPS's College of Architecture

Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik

Phone : 0253-2570822. Email : cansnashik@mvp.edu.in

Criterion 1 – Curricular Aspects

Key Indicator – 1.1 Curriculum Planning and Implementation

1.1.1 The Institute ensures effective curriculum delivery through a well-planned and documented process

Sr. No.	Contents (Documents)	
A)	Description	
B)	Academic Calendars- (AY-2020-2021 to AY-2016-2017)	
1	<ul style="list-style-type: none"> University Calendar Circular University Holidays Circular MVPS COA- Institute calendar 	AY-2020-2021
2		AY-2019-2020
3		AY-2018-2019
4		AY-2017-2018
5		AY-2016-2017
C)	Savitribai Phule Pune University- B. Arch Program Syllabus details (AY-2020-2021 to AY-2016-2017)	
1	<ul style="list-style-type: none"> Syllabus Implementation letter Syllabus Course Structure Syllabus Course details Equivalence details 	2019 Pattern
2		2015 Pattern
3		2008 Pattern
D)	Institute Time table and Teaching Load details	
1	<ul style="list-style-type: none"> Time Table Teachers Teaching Load 	AY-2020-2021
2		AY-2019-2020
3		AY-2018-2019
4		AY-2017-2018
5		AY-2016-2017
E)	Teaching Plan –Samples (AY-2020-2021 to AY-2016-2017)	





M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

A) DESCRIPTION





MVPS's College of Architecture

Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik

Phone : 0253-2570822. Email : cansnashik@mvp.edu.in

1.1.1 The Institution ensures effective curriculum delivery through a well-planned and documented process

MVPS's College of Architecture, Nashik, is affiliated to Savitribai Phule Pune University, Pune and follows the curriculum designed and approved by affiliating university. Presently semester pattern is followed for the effective curriculum delivery.

Before commencement of every academic year the Principal conducts a meeting with faculty members to develop and formulate strategies for effective curriculum planning and delivery. The Vice principal and class coordinators then prepare the academic calendar, time table and teaching load distribution of the faculty members. Effective curriculum delivery is ensured through ...

- **Academic Calendar**

The academic calendar is prepared with reference to the SPPU university calendar. Co-curricular and extracurricular activities are planned according to it. Every year different social activities are organised and are included in the academic calendar. The calendar includes the examination and internal evaluation activities.

- **Teaching Load Distribution**

Principal / Vice Principal review the teaching load and courses are distributed to faculty member according to their specialization and experience. Faculty members then prepare their teaching plans.

Faculty members under the guidance of the Principal, Academic Monitoring Committee(AMC) and senior Faculty members discuss all the contents of the subjects for the smooth academic conduct in the term.

- **Teaching Plan**

The faculty members prepare teaching plans for the semester accommodating holidays as per university notification. The course wise teaching plans are reviewed and approved by Academic Monitoring Committee(AMC). Teaching plans are reviewed at mid of semester and at the end of semester to verify its compliance.





MVPS's College of Architecture

Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik

Phone : 0253-2570822. Email : cansnashik@mvp.edu.in

The institution adopts student-centric teaching approach by planning and implementing policies for teaching learning process. The emphasis in the process of learning is enquiry and investigation for critical thinking through projects. Teachers strive to inculcate creativity, scientific temper and research attitude in students through experiential and hands on learning methodology. An integrated approach of delivering the content of various courses is ensured in the program. Along with regular lectures external academicians and professionals are invited to conduct workshops, seminars and guest lectures.

- **Time Table**

Time table is prepared by Vice Principal and the same is approved by the Principal and displayed to faculty members and students on their respective notice boards.

- **Students Evaluation.**

The institute has framed a mechanism in Continuous Internal Evaluation (CIE) to achieve academic excellence. The mechanism of internal assessment is transparent and robust covering all the learning domains. The institute has examination redressal system to deal with the grievance of students in a time bound and efficient manner. The attainment of learning outcomes of students is evaluated by internal assessment techniques, end-semester assessment and feedback from stakeholders. Teachers serve as mentors to students and counsel them to improve their overall performance.

- **Notice of events**

Events organized and conducted by the institute are communicated through display on notice boards and through messages sent on Whatsapp also.





M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

B) ACADEMIC CALENDARS-

(AY- 2020-2021 to AY2016-17)

1. AY- 2020-2021

- University Calendar Circular
- University Holidays Circular
- MVP COA-Institute Calendar



Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 284 of 2020

Important Notification

**Dates of Commencement and Conclusion of Ist & IInd terms for the Academic Year 2020-2021
For affiliated Colleges/recognised Institutes Only.**

It is hereby informed that, the dates of Commencement and conclusion of the Ist and IInd term of for the Academic Year 2020-2021 University Courses, under various faculties shall be as under :

Dates of Commencement and conclusion of First Year of academic session 2020-21 will be declared later.

Sr. No.	Name of the Courses and Faculties	2020-2021			
		First Term		Second Term	
		Commencement	Conclusion	Commencement	Conclusion
1	Science & Technology				
	Science	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	Engineering : SE,TE,BE	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	Engineering :ME - II Year. MCA- II & III Year	01/07/2020	24/12/2020	19/01/2021	31/05/2021
	B.Architecture II, III, IV & V Year.	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	M. Architecture II Year.	01/07/2020	24/12/2020	19/01/2021	31/05/2021
	B. Pharmacy	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	M. Pharmacy	01/07/2020	24/12/2020	19/01/2021	31/05/2021
2	Commerce & Management				
	Commerce	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	Management	01/07/2020	24/12/2020	19/01/2021	31/05/2021
3	Humanities				
	Arts & Fine Arts	15/06/2020	05/12/2020	01/01/2021	15/05/2021
	Mental Moral and Social Sciences				
	Law : UG & PG (II/III/IV/V Year.)	01/07/2020	24/12/2020	19/01/2021	31/05/2021
4	Inter-disciplinary Studies				
	Education II Year. (B.Ed., M.Ed.)	01/07/2020	24/12/2020	19/01/2021	31/05/2021
	Physical Education II Year. (B.P.Ed., M.P.Ed.)	01/07/2020	24/12/2020	19/01/2021	31/05/2021

NOTE

1. In view of prevailing COVID-19 situation in the Country, Colleges / Institutes shall required to follow the guidelines / instructions issued by the Government of Maharashtra time to time.
2. In case, the Principal of the affiliated Colleges require to give additional holiday in exceptional circumstances, he may do by the compensating the same by keeping the College working on Sunday.
3. The Term & holidays for the Post-Graduate courses coundected in the Colleges/Institutes will be as per the University Department.


Deputy Registrar
(P.G.Admission)

Ganeshkhind, Pune-07
Ref. No. PGS/ 1817
Date: 15/10/2020

Copy to: for Information and necessary action

The Members of the Management Council.
The Deans of Faculties.
The Registrar, Savitribai Phule Pune University, Pune.
The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.
The Heads of all University Departments.
The Principals of all Affiliated Colleges.
The Directors of all Recognized Institutes.
The Heads of all the Administrative Sections of the University Office.
Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University
Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University

Savitribai Phule Pune University

(Formerly University of Pune)



Circular No. 09 of 2020

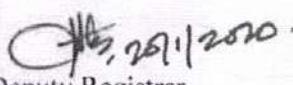
It is hereby informed to all concerned that the University has declared following days as Public Holidays for the University Departments/Affiliated Colleges and Recognized Institutes for teaching faculty for the calendar year 2020.

Holidays

Sr. No.	Day of Holiday	Date	Day
1	Chattrapati Shivaji Maharaj Jayanti	19-02-2020	Wednesday
2	Mahashivratri	21-02-2020	Friday
3	Holi (Second Day)	10-03-2020	Tuesday
4	Gudipadwa	25-03-2020	Wednesday
5	Ram Navmi	02-04-2020	Thursday
6	Mahavir Jayanti	06-04-2020	Monday
7	Good Friday	10-04-2020	Friday
8	Dr. Babasaheb Ambedkar Jayanti	14-04-2020	Tuesday
9	Maharashtra Din	01-05-2020	Friday
10	Buddha Pournima	07-05-2020	Thursday
11	Ramzan Eid (Id-UI-Fitr) (Shawal - I)	25-05-2020	Monday
12	Bakri - Id (Id-UI-Zuha)	01-08-2020	Saturday
13	Independence Day	15-08-2020	Saturday
14	Ganesh Chaturthi	22-08-2020	Saturday
15	Mahatma Gandhi Jayanti	02-10-2020	Friday
16	Id-E-Milad	30-10-2020	Friday
17	Diwali Amavasaya (Laxmi Pujan)	14-11-2020	Saturday
18	Diwali (Bali Pratipada)	16-11-2020	Monday
19	Gururanak Jayanti	30-11-2020	Monday
20	Christmas	25-12-2020	Friday

Note

In case, the Head/ Principal/Director of the Affiliated Colleges / Recognized Institutes requires to give additional holiday in exceptional circumstances, he may do so by compensating the same by keeping the Department/ College/Institute working on Sunday.


Deputy Registrar
(P.G. Admissions)

Ganeshkhind, Pune

Ref. No. PGS/253

Date: 20/01/2020

Copy to : for information & necessary action

1. The Members of the Management Council.
2. The Deans of Faculties.
3. The Registrar, Savitribai Phule Pune University, Pune.
4. The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.
5. The Heads of all University Departments.
6. The Principals of all Affiliated Colleges.
7. The Directors of all Recognized Institutes.
8. The Heads of all the Administrative Sections of the University Office.
9. Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University
10. Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University

Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 20 of 2021


It is hereby informed to all concerned that the University has declared following days as Public Holidays for the University Departments/Affiliated Colleges and Recognized Institutes for teaching faculty for the calendar year 2021.

Holidays

Sr. No.	Day of Holiday	Date	Day
1	Republic Day	26-01-2021	Tuesday
2	Chhatrapati Shivaji Maharaj Jayanti	19-02-2021	Friday
3	Mahashivratri	11-03-2021	Thursday
4	Holi (Second Day)	29-03-2021	Monday
5	Good Friday	02-04-2021	Friday
6	Gudhi Padwa	13-04-2021	Tuesday
7	Dr. Babasaheb Ambedkar Jayanti	14-04-2021	Wednesday
8	Ram Navami	21-04-2021	Wednesday
9	Maharashtra Din	01-05-2021	Saturday
10	Ramzan - Id (Id-ul-Fitr)(Shawal-1)	13-05-2021	Thursday
11	Buddha Pournima	26-05-2021	Wednesday
12	Bakri - Id (Id-Uz-Zuha)	21-07-2021	Wednesday
13	Parsi New Year (Shahenshahi)	16-08-2021	Monday
14	Moharum	19-08-2021	Thursday
15	Ganesh Chaturthi	10-09-2021	Friday
16	Mahatma Gandhi Jayanti	02-10-2021	Saturday
17	Dasara	15-10-2021	Friday
18	Id-E-Milad	19-10-2021	Tuesday
19	Diwali Amavasaya (Laxmi Pujan)	04-11-2021	Thursday
20	Diwali (Bali Pratipada)	05-11-2021	Friday
21	Diwali (Bhaubeej)	06-11-2021	Saturday
22	Guru Nanak Jayanti	19-11-2021	Friday
23	Christmas	25-12-2021	Saturday

Note

In case, the Head/ Principal/Director of the Affiliated Colleges / Recognized Institutes requires to give additional holiday in exceptional circumstances, he may do so by compensating the same by keeping the Department/ College/Institute working on Sunday.


Deputy Registrar
(P.G. Admissions)

Ganeshkhind, Pune
Ref. No. PGS/368
Date: 20/01/2021

Copy to : for information & necessary action

The Members of the Management Council.

The Registrar, Savitribai Phule Pune University, Pune.

The Deans of Faculties.

The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.

The Heads of all University Departments.

The Principals of all Affiliated Colleges.

The Directors of all Recognized Institutes.

The Heads of all the Administrative Sections of the University Office.

Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University

Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University



MVPS's College of Architecture

Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik Phone : 0253-2570822. Email : cansnashik@mvp.edu.in

ARCHITECTURE - ACADEMIC CALENDER 2020-2021



	Sat	Sun	Mon	Tues	Wed	Thu	Fri	Sat	Sun	Mon	Tues	Wed	Thu	Fri	Sat	Sun	Mon	Tues	Wed	Thu	Fri	Sat	Sun	Mon	Tues	Wed	Thu	Fri	Sat	Sun								
Jun-20			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
			Teacher's joining					2019-2020 SEM-II end (CONCLUSION)																														
Jul-20					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Aug-20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
	Bakari eid																																					
Sep-20				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
Oct-20							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Nov-20		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							
Dec-20				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Jan-21							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Feb-21			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28								
Mar-21				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Apr-21						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
May-21	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
	Maharashtra																																					

▶ SEM START	Teaching	Orientation F.Y.B. Arch	Examination	College Events	ICC	SG	Diwali/summer	MM
AMC Academic Monitoring Committee meeting	Holidays	EXI Exhibition and Socials	M IQAC Meeting	Study tour	AR Anti Ragging committee meeting	CIE Student Grivance cell meeting	EXT Holiday Extension & Outreach Programme	SEM END



M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

B) ACADEMIC CALENDARS-

(AY- 2020-2021 to AY2016-17)

2. AY- 2019-2020

- University Calendar Circular
- University Holidays Circular
- MVP COA-Institute Calendar



Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 77 of 2019

**Dates of Commencement and Conclusion of terms for the Academic Year 2019-2020
For affiliated Colleges/recognised Institutes Only.**

It is hereby informed that, the dates of commencement and conclusion of the First and Second term of University Courses, under various faculties, for the academic year 2019-2020 shall be as under :

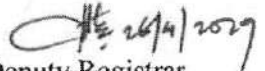
Sr. No.	Name of the Courses and Faculties	2019-2020			
		First Term		Second Term	
		Commencement	Conclusion	Commencement	Conclusion
1	Science & Technology				
	Science	15/06/2019	24/10/2019	20/11/2019	30/04/2020
	Engineering : SE,TE,BE & MCA- II, & III Year	15/06/2019	05/11/2019	16/12/2019	27/04/2020
	Engineering :ME - II Year.	01/07/2019	09/11/2019	13/01/2020	23/05/2020
	B.Architecture II, III, IV & V Year.	15/06/2019	16/10/2019	09/12/2019	04/04/2020
	M. Architecture II Year.	08/07/2019	02/11/2019	09/12/2019	04/04/2020
	B. Pharmacy	15/06/2019	24/10/2019	20/11/2019	30/04/2020
	M. Pharmacy	01/07/2019	07/12/2019	01/01/2020	15/05/2020
2	Commerce & Management				
	Commerce	15/06/2019	24/10/2019	20/11/2019	30/04/2020
	Management	01/07/2019	07/12/2019	01/01/2020	15/05/2020
3	Humanities				
	Arts & Fine Arts	15/06/2019	24/10/2019	20/11/2019	30/04/2020
	Mental Moral and Social Sciences				
	Law : UG & PG (II/III/IV/V Year.)	01/07/2019	07/12/2019	17/01/2020	31/05/2020
4	Inter-disciplinary Studies				
	Education II Year. (B.Ed., M.Ed.)	01/07/2019	07/12/2019	01/01/2020	15/05/2020
	Physical Education II Year. (B.P.Ed., M.P.Ed.)	01/07/2019	07/12/2019	01/01/2020	15/05/2020

Teaching will begin on the date of commencement of the terms and immediately after the finalization of admissions; however, term would stand concluded on the dates mentioned above.

[Signature]
24/11/2019

NOTE

1. In case, the Principal/Director of the affiliated Colleges/recognised Institutes require to give additional holiday in exceptional circumstances, he/she may do so by compensating the same by keeping the College working on Sunday.
2. The Term & holidays for the Post-graduate courses conducted in the Colleges/Institutes will be as per the University Department.
3. Details of Various Activities for Engineering and Architecture Courses for the Academic Year 2019-20 attached Separately.


Deputy Registrar
(P.G.Admission)

Ganeshkhind, Pune-07
Ref. No. PGS/1355
Date: 26/04/2019

Copy to: for Information and necessary action

The Members of the Management Council.

The Deans of Faculties.

The Registrar, Savitribai Phule Pune University, Pune.

The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.

The Heads of all University Departments.

The Principals of all Affiliated Colleges.

The Directors of all Recognized Institutes.

The Heads of all the Administrative Sections of the University Office.

Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University

Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University

Savitribai Phule Pune University
(Formerly University of Pune)



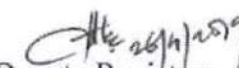
Academic Calendar for Various Activities for II, III , IV & V Year B. Arch. For the Year 2019-20.

Sr. No.	Details of Activities	Dates	
		I st TERM	II nd TERM
1	Commencement of teaching	15/6/2019	09/12/2019
2	Conclusion of teaching	16/10/2019	04/04/2020
3	Sessional Exam/Viva Voce	All subjects except Practical training 18/10/2019 to 26 /10/2019 Practical Training Viva 16/12/2019 to 21/12/2019	All subjects except Arch. Project final year 06/04/2020 to 18/4/2020 Final year Arch. Project Viva 19/04/2020 to 26/4/2020
4	Preparation Time (Theory)	27/10/19 to 31/10/19	20/4/2020 to 25 /4/2020
5	Theory Examination	1/11/2019 onwards	27/4/2020 onwards

Academic Calendar for Various Activities for IInd year M.Arch. For the Year 2019-20.

Sr. No.	Details of Activities	Dates	
		I st TERM	II nd TERM
1	Commencement of teaching	08/07/2019	09/12/2019
2	Conclusion of teaching	02/11/2019	04/04/2020
3	Sessional Exam /Viva Voce	04/11/2019 to 07/11/2019	06/04/2020 to 11/04/2020 4 th Semester M.Arch. Project Exam between 27 th to 30 th April 2020.
4	Preparation Time (Theory)	08/11/2019 to 12/11/2019	13/04/2020 to 18/04/2020
5	Theory Examination	13/11/2019 to 20/11/2019	20/04/2020 to 25/04/2020

As per the syllabus a training of 40 working days is to be completed by the student in the time between the 2nd and the 3rd Semester M.Arch.


Deputy Registrar
(P.G. Admission)

Ganeshkhind, Pune-07
Ref. No. PGS/ 1355
Date: 26/04/2019

Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 234 of 2019

**Dates of Commencement and Conclusion of terms for the Academic Year 2019-2020
For Enginerring (F.E. Fresh & MCA - I) & B. Architecture - I Year.**

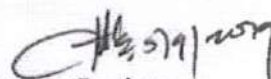
It is hereby informed that, the dates of commencement and conclusion of the First and Second term of University Courses, under F.E Fresh, B.Architecture- I, MCA - I Year for the academic year 2019-2020 for affiliated colleges shall be as under :

Sr. No.	Name of the Courses and Faculties	2019-20			
		First Term		Second Term	
		Commencement	Conclusion	Commencement	Conclusion
	Science & Technology				
1	F.E. Fresh & MCA - I Year	13/08/2019	17/12/2019	07/01/2020	09/05/2020
2	B.Architecture - I Year	01/08/2019	30/11/2019	16/12/2019	11/04/2020

Teaching will begin on the date of commencement of the terms and immediately after the finalization of admissions; however, term would stand concluded on the dates mentioned above.

NOTE

1. In case, the Principal of the Affiliated Colleges require to give additional holiday in exceptional circumstances, he/she may do so by compensating the same by keeping the College working on Sunday.
2. The Term & holidays for the Post-graduate courses conducted in the Colleges/Institutes will be as per the University Department.
3. Details of Various Activities for Engineering and Architecture Courses for the Academic Year 2019-20 attached Separately.


Deputy Registrar
(P.G.Admission)

Ganeshkhind, Pune-07
Ref. No. PGS/3151
Date: 05/09/2019

Copy to: for Information and necessary action

The Members of the Management Council.
The Deans of Faculties.
The Registrar, Savitribai Phule Pune University, Pune.
The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.
The Heads of all University Departments.
The Principals of all Affiliated Colleges.
The Directors of all Recognized Institutes.
The Heads of all the Administrative Sections of the University Office.
Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University

Savitribai Phule Pune University
(Formerly University of Pune)



ACADEMIC CALENDAR FOR VARIOUS ACTIVITIES FOR ENGINEERING
(F.E. Fresh & MCA - I) & B. ARCHITECTURE - I YEAR COURSES FOR THE YEAR 2019-20

F.E. Fresh & MCA - I Year

Sr. No	Courses	Details of Activites	Date
First term			
01	F.E. Fresh & MCA - I Year	Commencement of Teaching	13/08/2019
		Conclusion of Teaching	17/12/2019
		Commencement of (End -Semester) Examination	23/12/2019
Second term			
01	F.E. Fresh & MCA - I Year	Commencement of Teaching	07/01/2020
		Conclusion of Teaching	09/05/2020
		Commencement of (End -Semester) Examination	18/05/2020

B. Architecture - I Year

Sr. No	Courses	Details of Activites	Date
First term			
01	B.Architecture - I Year.	Commencement of Teaching	01/08/2019
		Conclusion of Teaching	30/11/2019
		Sessional/Viva Voce Examination	02/12/2019 to 05/12/2019
		Theory Examination	11/12/2019 onwards
Second term			
02	B.Architecture - I Year.	Commencement of Teaching	16/12/2019
		Conclusion of Teaching	11/04/2020
		Sessional/Viva Voce Examination	13/04/2020 to 18/04/2020
		Theory Examination	27/04/2020 onwards


 Deputy Registrar
 (P.G. Admission)

Savitribai Phule Pune University
(Formerly University of Pune)



Circular No.103 of 2020

Important Notification

Revised Dates of Conclusion of II terms for the Academic Year 2019-2020 and Commencement for the Academic Year 2020-2021

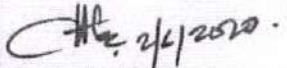
For affiliated Colleges/recognised Institutes Only.

In view of prevailing COVID-19 situation in the Country, it is hereby informed that, the revised dates of conclusion of the Second term of 2019-2020 and Commencement for the Academic Year 2020-2021 University Courses, under various faculties shall be as under :

Sr. No.	Name of the Courses and Faculties	II Term 2019-20	I Term 2020-2021
		Conclusion	Commencement
1	Science & Technology		
	Science	05/06/2020	15/06/2020
	Engineering : SE,TE,BE & MCA-II, & III Year	05/06/2020	15/06/2020
	Engineering :ME - II Year.	05/06/2020	01/07/2020
	B.Architecture II, III, IV & V Year.	05/06/2020	15/06/2020
	M. Architecture II Year.	05/06/2020	01/07/2020
	B. Pharmacy	05/06/2020	15/06/2020
	M. Pharmacy	05/06/2020	01/07/2020
2	Commerce & Management		
	Commerce	05/06/2020	15/06/2020
	Management	05/06/2020	01/07/2020
3	Humanities		
	Arts & Fine Arts	05/06/2020	15/06/2020
	Mental Moral and Social Sciences		
	Law : UG & PG (II, III, IV & V Year.)	05/06/2020	01/07/2020
4	Inter-disciplinary Studies		
	Education II Year.(B.Ed., M.Ed.)	05/06/2020	01/07/2020
	Physical Education II Year.(B.P.Ed., M.P.Ed.)	05/06/2020	01/07/2020

NOTE

1. Colleges / Institutes in the red zone / contenment zone shall required to follow the guidelines / instructions issued by the Government of Maharashtra.
2. Details of conclusion of Ist term and Commencement and conclusion of IInd term of academic year 2020-2021 will be declared later.


Deputy Registrar
(P.G.Admission)

Ganeshkhind, Pune-07
Ref. No. PGS/ 779
Date: 02/06/2020

Copy to: for Information and necessary action

The Members of the Management Council.
The Deans of Faculties.
The Registrar, Savitribai Phule Pune University, Pune.
The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.
The Heads of all University Departments.
The Principals of all Affiliated Colleges.
The Directors of all Recognized Institutes.
The Heads of all the Administrative Sections of the University Office.
Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University
Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University

Savitribai Phule Pune University

(Formerly University of Pune)



Circular No. 100 of 2019

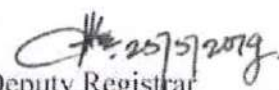
List of Holidays during the year 2019 for University Departments/Affiliated Colleges and Recognized Institutes.

Holidays

Sr. No.	Day of Holiday	Date	Day
1	Ramzan - Id (Id-UI-Fitr)	05-06-2019	Wednesday
2	Bakri - Id (Id-UI-Zuha)	12-08-2019	Monday
3	Independence Day	15-08-2019	Thursday
4	Parshi New Year	17-08-2019	Saturday
5	Ganesh Chaturthi	02-09-2019	Monday
6	Gauri Poojan	06-09-2019	Friday
7	Moharum	10-09-2019	Tuesday
8	Anant Chaturdashi	12-09-2019	Thursday
9	Mahatma Gandhi Jayanti	02-10-2019	Wednesday
10	Dasara	08-10-2019	Tuesday
11	Dhanatrayodashi	25-10-2019	Friday
12	Diwali (Bali Pratipada)	28-10-2019	Monday
13	Bhaubij	29-10-2019	Tuesday
14	Guru Nanak Jayanti	12-11-2019	Tuesday
15	Christmas	25-12-2019	Wednesday

Note

In case, the Head/ Principal/Directors of the Affiliated Colleges / Recognized Institutes requires to give additional holiday in exceptional circumstances, he/she may do so by compensating the same by keeping the Department/ College/Institute working on Sunday.


Deputy Registrar
(P.G. Admissions)

Ganeshkhind, Pune

Ref. No. PGS/1620

Date: 25/05/2019

Copy to : for information & necessary action

1. The Members of the Management Council.
2. The Deans of Faculties.
3. The Registrar, Savitribai Phule Pune University, Pune.
4. The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.
5. The Heads of all University Departments.
6. The Principals of all Affiliated Colleges.
7. The Directors of all Recognized Institutes.
8. The Heads of all the Administrative Sections of the University Office.
9. Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University
10. Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University

Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 09 of 2020

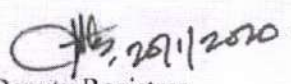
It is hereby informed to all concerned that the University has declared following days as Public Holidays for the **University Departments/Affiliated Colleges and Recognized Institutes** for teaching faculty for the calendar year 2020.

Holidays

Sr. No.	Day of Holiday	Date	Day
1	Chattrapati Shivaji Maharaj Jayanti	19-02-2020	Wednesday
2	Mahashivratri	21-02-2020	Friday
3	Holi (Second Day)	10-03-2020	Tuesday
4	Gudipadwa	25-03-2020	Wednesday
5	Ram Navmi	02-04-2020	Thursday
6	Mahavir Jayanti	06-04-2020	Monday
7	Good Friday	10-04-2020	Friday
8	Dr. Babasaheb Ambedkar Jayanti	14-04-2020	Tuesday
9	Maharashtra Din	01-05-2020	Friday
10	Buddha Pournima	07-05-2020	Thursday
11	Ramzan Eid (Id-UI-Fitr) (Shawal - I)	25-05-2020	Monday
12	Bakri - Id (Id-UI-Zuha)	01-08-2020	Saturday
13	Independence Day	15-08-2020	Saturday
14	Ganesh Chaturthi	22-08-2020	Saturday
15	Mahatma Gandhi Jayanti	02-10-2020	Friday
16	Id-E-Milad	30-10-2020	Friday
17	Diwali Amavasaya (Laxmi Pujan)	14-11-2020	Saturday
18	Diwali (Bali Pratipada)	16-11-2020	Monday
19	Gururanak Jayanti	30-11-2020	Monday
20	Christmas	25-12-2020	Friday

Note

In case, the Head/ Principal/Director of the Affiliated Colleges / Recognized Institutes requires to give additional holiday in exceptional circumstances, he may do so by compensating the same by keeping the Department/ College/Institute working on Sunday.


Deputy Registrar
(P.G. Admissions)

Ganeshkhind, Pune

Ref. No. PGS/253

Date: 20/01/2020

Copy to : for information & necessary action

1. The Members of the Management Council.
2. The Deans of Faculties.
3. The Registrar, Savitribai Phule Pune University, Pune.
4. The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.
5. The Heads of all University Departments.
6. The Principals of all Affiliated Colleges.
7. The Directors of all Recognized Institutes.
8. The Heads of all the Administrative Sections of the University Office.
9. Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University
10. Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University



M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

B) ACADEMIC CALENDARS-

(AY- 2020-2021 to AY2016-17)

3. AY- 2018-2019

- University Calendar Circular
- University Holidays Circular
- MVP COA-Institute Calendar



Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 67 of 2018

**Dates of Commencement and Conclusion of terms for the Academic Year 2018-2019
For Affiliated Colleges Only.**

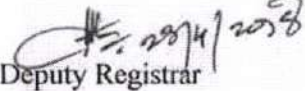
It is hereby informed that, the dates of commencement and conclusion of the First and Second term of University Courses, under various faculties, for the academic year 2018-2019 shall be as under :

Sr. No.	Name of the Courses and Faculties	2018-19			
		First Term		Second Term	
		Commencement	Conclusion	Commencement	Conclusion
1	Science & Technology				
	Science	15/06/2018	03/11/2018	29/11/2018	30/04/2019
	Engineering : SE,TE,BE & MCA- II, & III Year	15/06/2018	03/11/2018	17/12/2018	25/04/2019
	Engineering :ME - II Year.	02/07/2018	03/11/2018	15/01/2019	20/05/2019
	B.Architecture II, III, IV & V Year.	15/06/2018	03/11/2018	29/11/2018	30/04/2019
	M. Architecture II Year.	02/07/2018	03/11/2018	17/12/2018	30/04/2019
	B. Pharmacy	15/06/2018	03/11/2018	29/11/2018	30/04/2019
	M. Pharmacy	02/07/2018	03/11/2018	29/11/2018	15/05/2019
2	Commerce & Management				
	Commerce	15/06/2018	03/11/2018	29/11/2018	30/04/2019
	Management	02/07/2018	03/11/2018	29/11/2018	15/05/2019
3	Humanities				
	Arts & Fine Arts	15/06/2018	03/11/2018	29/11/2018	30/04/2019
	Mental Moral and Social Sciences				
	Law : UG & PG (II/III/IV/V Year.)	15/06/2018	03/11/2018	29/11/2018	30/04/2019
4	Inter-disciplinary Studies				
	Education II Year.	02/07/2018	03/11/2018	29/11/2018	15/05/2019
	Physical Education II Year.				

Teaching will begin on the date of commencement of the terms and immediately after the finalization of admissions; however, term would stand concluded on the dates mentioned above.

NOTE

1. In case, the Principal of the Affiliated Colleges require to give additional holiday in exceptional circumstances, he/she may do so by compensating the same by keeping the College working on Sunday.
2. The Term & holidays for the Post-graduate courses conducted in the Colleges/Institutes will be as per the University Department.
3. Details of Various Activities for Engineering and Architecture Courses for the Academic Year 2018-19 attached Separately.


Deputy Registrar
(P.G.Admission)

Ganeshkhind, Pune-07
Ref. No. PGS/ 1333
Date: 23/04/2018

Copy to: for Information and necessary action

The Members of the Management Council.

The Deans of Faculties.

The Registrar, Savitribai Phule Pune University, Pune.

The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.

The Heads of all University Departments.

The Principals of all Affiliated Colleges.

The Directors of all Recognized Institutes.

The Heads of all the Administrative Sections of the University Office.

Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University

Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University

Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 145 of 2018

Dates of Commencement and Conclusion of terms for the Academic Year 2018-2019
For Enginerring (F.E. Fresh & MCA - I) & B. Architecture - I Year.

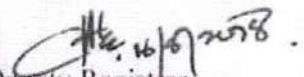
It is hereby informed that, the dates of commencement and conclusion of the First and Second term of University Courses, under F.E Fresh, B.Architecture- I, MCA - I Year for the academic year 2018-2019 for affiliated colleges shall be as under :

Sr. No.	Name of the Courses and Faculties	2018-19			
		First Term		Second Term	
		Commencement	Conclusion	Commencement	Conclusion
	Science & Technology				
1	F.E. Fresh & MCA - I Year	01/08/2018	30/11/2018	01/01/2019	23/04/2019
2	B.Architecture - I Year	06/08/2018	30/11/2018	17/12/2018	13/04/2019

Teaching will begin on the date of commencement of the terms and immediately after the finalization of admissions; however, term would stand concluded on the dates mentioned above.

NOTE

1. In case, the Principal of the Affiliated Colleges require to give additional holiday in exceptional circumstances, he/she may do so by compensating the same by keeping the College working on Sunday.
2. The Term & holidays for the Post-graduate courses conducted in the Colleges/Institutes will be as per the University Department.
3. Details of Various Activities for Engineering and Architecture Courses for the Academic Year 2018-19 attached Separately.


Deputy Registrar
(P.G.Admission)

Ganeshkhind, Pune-07
Ref. No. PGS/ 3112
Date: 16/08/2018

Copy to: for Information and necessary action

The Members of the Management Council.
The Deans of Faculties.
The Registrar, Savitribai Phule Pune University, Pune.
The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.
The Heads of all University Departments.
The Principals of all Affiliated Colleges.
The Directors of all Recognized Institutes.
The Heads of all the Administrative Sections of the University Office.
Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University
Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University

Savitribai Phule Pune University

(Formerly University of Pune)



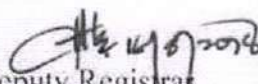
ACADEMIC CALENDAR FOR VARIOUS ACTIVITIES FOR ENGINEERING (F.E. Fresh & MCA - I) & B. ARCHITECTURE - I YEAR COURSES FOR THE YEAR 2018-19

F.E. Fresh & MCA - I Year

Sr. No	Courses	Details of Activites	Date
First term			
01	F.E. Fresh & MCA - I Year	Commencement of Teaching	01/08/2018
		Conclusion of Teaching	30/11/2018
		Commencement of (End -Semester) Examination	11/12/2018
Second term			
01	F.E. Fresh & MCA - I Year	Commencement of Teaching	01/01/2019
		Conclusion of Teaching	23/04/2019
		Commencement of (End -Semester) Examination	02/05/2019

B. Architecture - I Year

Sr. No	Courses	Details of Activites	Date
First term			
01	B.Architecture - I Year.	Commencement of Teaching	06/08/2018
		Conclusion of Teaching	30/11/2018
		Sessional/Viva Voce Examination	04/12/2018 to 06/12/2018
		Theory Examination	11/12/2018 onwards
Second term			
02	B.Architecture - I Year.	Commencement of Teaching	17/12/2018
		Conclusion of Teaching	13/04/2019
		Sessional/Viva Voce Examination	16/04/2019 to 18/04/2019
		Theory Examination	24/04/2019 onwards


Deputy Registrar
(P.G. Admission)

Ganeshkhind, Pune-07
Ref. No. PGS/ 3112
Date: 16/08/2018

Savitribai Phule Pune University

(Formerly University of Pune)



Circular No. 69 of 2018

During the Academic Year 2018 – 2019 following days are declared as Holidays for the Affiliated Colleges and Recognized Institutes for the **First Term & Second Term.**

First Term Holidays

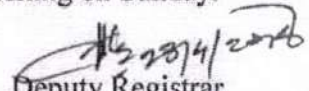
Sr. No.	Day of Holiday	Date	Day
1	Ramzan – Id (Id-Ul-Fitar)	16/06/2018	Saturday
2	Independence Day	15/08/2018	Wednesday
3	Bakri - Id (Id-Ul-Zua)	22/08/2018	Wednesday
4	Ganesh Chaturthi	13/09/2018	Thursday
5	Mahatma Gandhi Jayanti	02/10/2018	Tuesday
6	Dasara	18/10/2018	Thursday

Second Term Holidays

Sr. No.	Day of Holiday	Date	Day
1	Christmas	25/12/2018	Tuesday
2	Republic Day	26/01/2019	Saturday
3	Chhatrapati Shivaji Maharaj Jayanti	19/02/2019	Tuesday
4	Mahashivratri	04/03/2019	Monday
5	Holi (Second Day)	21/03/2019	Thursday
6	Gudipadwa	06/04/2019	Saturday

Note

In case, the Head/ Principal/Directors of the Affiliated Colleges / Recognized Institutes requires to give additional holiday in exceptional circumstances, he/she may do so by compensating the same by keeping the Department/ College/Institute working on Sunday.


Deputy Registrar
(P.G. Admissions)

Ganeshkhind, Pune

Ref. No. PGS/1335

Date: 23/04/2018

Copy to : for information & necessary action

1. The Members of the Management Council.
2. The Deans of Faculties.
3. The Registrar, Savitribai Phule Pune University, Pune.
4. The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.
5. The Heads of all University Departments.
6. The Principals of all Affiliated Colleges.
7. The Directors of all Recognized Institutes.
8. The Heads of all the Administrative Sections of the University Office.
9. Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University
10. Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, Savitribai Phule Pune University



ARCHITECTURE - ACADEMIC CALENDER 2018-2019



	Sat	Sun	Mon	Tues	Wed	Thu	Fri	Sat	Sun	Mon	Tues	Wed	Thu	Fri	Sat	Sun	Mon	Tues	Wed	Thu	Fri	Sat	Sun	Mon	Tues	Wed	Thu	Fri	Sat	Sun	Mon	Tues	Wed	Thu	Fri	Sat	Sun
Jun-18						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
									AMC	Teacher's joining																											
									IQAC																												
Jul-18	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
Aug-18					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Sep-18	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							
Oct-18			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Nov-18																																					
Dec-18	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
Jan-19				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Feb-19																																					
Mar-19																																					
Apr-19																																					
May-19																																					

▶ SEM START	Teaching	Orientation F.Y.B. Arch	Examination	College Events	ICC ICC meeting	SG Student Grivance cell meeting	Drwali/summer
AMC Academic Monitoring Committee meeting	Holidays	EXI Exhibition and Socials	IQAC IQAC Meeting	Study tour	AR Anti Ragging committee meeting	CIE Continous Internal Evaluation	Holiday Extention & OutreachProgram
							◉ SEM END



M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

B) ACADEMIC CALENDARS-

(AY- 2020-2021 to AY2016-17)

4. AY- 2017-2018

- University Calendar Circular
- University Holidays Circular
- MVP COA-Institute Calendar



Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 79 of 2017

Dates of Commencement and Conclusion of terms for the Academic Year 2017-2018

For Affiliated Colleges Only.


It is hereby informed that, the dates of commencement and conclusion of the first and second term of University Courses, under various faculties, for the academic year 2017-2018 shall be as under :

Sr. No.	Name of the Courses	2017-18			
		First Term		Second Term	
		Commencement	Conclusion	Commencement	Conclusion
1	Arts & Fine Arts	15/06/2017	18/10/2017	13/11/2017	30/04/2018
	Mental,Moral and Social Sciences				
2	Science	15/06/2017	18/10/2017	13/11/2017	30/04/2018
	Engineering : SE,TE,BE & MCA- II, & III Year	15/06/2017	18/10/2017	18/12/2017	23/04/2018
	Engineering :ME - II Year.	01/07/2017	28/10/2017	15/01/2018	19/05/2018
	B.Architecture II, III, IV & V Year.	05/06/2017	23/09/2017	04/12/2017	24/03/2018
	M. Architecture II Year.	10/07/2017	04/11/2017	26/12/2017	13/04/2018
	B. Pharmacy	19/06/2017	30/11/2017	21/12/2017	04/05/2018
	M. Pharmacy	17/07/2017	09/12/2017	11/01/2018	30/05/2018
3	Commerce	15/06/2017	18/10/2017	13/11/2017	30/04/2018
	Management	01/07/2017	09/12/2017	26/12/2017	05/05/2018
4	Law : UG & PG (II/III/IV/V Year.)	15/06/2017	18/10/2017	13/11/2017	30/04/2018
	Education II Year.	01/07/2017	28/10/2017	23/11/2017	15/05/2018
	Physical Education II Year.				

Teaching will begin on the date of commencement of the terms and immediately after the finalization of admissions; however, term would stand concluded on the dates mentioned above.

NOTE

1. In case, the Principal of the Affiliated Colleges require to give additional holiday in exceptional circumstances, he/she may do so by compensating the same by keeping the College working on Sunday.
2. The Term & holidays for the Post-graduate courses conducted in the Colleges/Institutes will be as per the University Department.
3. Details of Various Activities for Engineering and Architecture Courses for the Academic Year 2017-18 attached Separately.


Deputy Registrar
(P.G.Admission)

Ganeshkhind, Pune-07
Ref. No. PGS/ 1532
Date: 27/04/2017

Copy to: for Information and necessary action

The Members of the Management Council

The Deans of all Faculties

The Registrar, Savitribai Phule Pune University

The Director, Board of Examinations & Evaluation, Savitribai Phule Pune University

The Head of all University Departments

The Principal of all Affiliated Colleges

The Directors of all Recognised Institutes

The Head of the Administrative Sections of the University office

Savitribai Phule Pune University

(Formerly University of Pune)



Academic Calendar for Various Activities for II, III year (2015 Pattern) IV & V Year
(2008 Pattern) B. Arch.

TERM-I

Sr. No.	Details of Activities	Dates
1	Commencement of teaching	05/06/2017
2	Conclusion of teaching	23/09/2017
3	Sessional/Viva Voce	25/09/2017 to 07/10/2017
5	Preparation Time (Theory)	09/10/2017 to 21/10/2017
6	Theory Examination	23/10/2017 to 03/11/2017

TERM-II

Sr. No.	Details of Activities	Dates
1	Commencement of teaching	04/12/2017
2	Conclusion of teaching	24/03/2018
3	Sessional/Viva Voce	26/03/2018 to 07/04/2018
5	Preparation Time (Theory)	09/04/2018 to 14/04/2018
6	Theory Examination	16/04/2018 to 28/04/2018
7	Commencement of Term- I (2018-19)	04/06/2018


Deputy Registrar
(P.G. Admission)

Ganeshkhind, Pune-07
Ref. No. PGS/ 1532
Date: 27/04/2017

Savitribai Phule Pune University

(Formerly University of Pune)



Circular No. 203 of 2017

ACADEMIC CALENDAR FOR First Year B. Arch FOR ACADEMIC YEAR 2017-18

FIRST TERM

Sr. No.	Details of Activites	Date
1	Commencement of Term - I	21/08/2017
2	Conclusion of Term - I	09/12/2017
3	Sessional / Viva Voce	11/12/2017 to 16/12/2017
4	Theory Examination	26/12/2017 to 29/12/2017

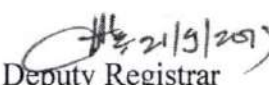
SECOND TERM

Sr. No.	Details of Activites	Date
1	Commencement of Term - II	01/01/2018
2	Conclusion of Term - II	21/04/2018
3	Commencement Sessional / Viva Voce	23/04/2018 to 28/04/2018
4	Theory Examination	07/05/2018 to 12/05/2018
5	Commencement of Term -I (2018-19)	04/06/2018

Note

- To comply with academic requirements, college may utilized holidays including Sunday for First Year Students.
- In case, the Principal of the Affiliated Collges require to give additional holiday in exceptional circumstances, he may do so by compensating the same by keeping the College working on Sundays.

Ganeshkhind
Pune-411007
Ref. No. PGS/3492
Date:21/09/2017


Deputy Registrar
P.G. Admission

Copy to: for Information and necessary action

The Registrar, Savitribai Phule Pune University
The Deans of all Faculties
The Direcoter, Board of Examnations & Evaluation, SPPU
The Principal of all Affiliated Colleges
The Directors of all Recognised Institutes
The Head of the Administrative Sections of the University office

Savitribai Phule Pune University
(formerly University of Pune)



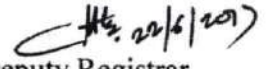
Circular No. 142 of 2017

During the Academic Year 2017 – 2018 following days are declared as Holidays for the Affiliated Colleges and Recognized Institutes for the **First Term**.

Sr.No.	Day of Holiday	Date	Day
1	Ramzan – Id (Id-Ul-Fitar)	26/06/2017	Monday
2	Independence Day	15/08/2017	Tuesday
3	Ganesh Chaturthi	25/08/2017	Friday
4	Bakri - Id (Id-Ul-Zua)	02/09/2017	Saturday
5	Dasara	30/09/2017	Saturday
6	Mahatma Gandhi Jayanti	02/10/2017	Monday

Note

In case, the Head/ Principal/Directors of the Affiliated Colleges / Recognized Institutes requires to give additional holiday in exceptional circumstances, he/she may do so by compensating the same by keeping the Department/ College/Institute working on Sunday.


Deputy Registrar
(P.G. Admissions)

Ganeshkhind,
Pune -411 007
Ref. No. PGS/2153
Date: 21 /06/2017

Copy to : for information & necessary action

1. The Members of the Management Council.
2. The Deans of Faculties.
3. The Registrar, Savitribai Phule Pune University, Pune.
4. The Director, Examinations & Evaluation, Savitribai Phule Pune University, Pune.
5. The Heads of all University Departments.
6. The Principals of all Affiliated Colleges.
7. The Directors of all Recognized Institutes.
8. The Heads of all the Administrative Sections of the University Office.
9. Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University

Savitribai Phule Pune University
(Formerly University of Pune)



Circular No. 247 of 2017

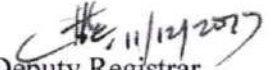
Holidays for Second Term

During the Academic Year 2017 - 2018 following days are declared as Holidays for the University Departments, Affiliated Colleges and Recognized Institutes for Second Term.

Sr. No.	Day of Holiday	Date	Day
1.	Christmas	25/12/2017	Monday
2.	Republic Day	26/01/2018	Friday
3.	Mahashivratri	13/02/2018	Tuesday
4.	Chattrapati Shivaji Maharaj Jayanti	19/02/2018	Monday
5.	Holi (Second day)	02/03/2018	Friday
6.	Dr. Babasaheb Ambedkar Jayanti	14/04/2018	Saturday

Note

In case, the Head of the University Departments/Principals/Directors of the Affiliated Colleges/Recognized Institutes requires to give additional holiday in exceptional circumstances, he/she may do so by compensating the same by keeping the Department/College/Institute working on Sunday.


Deputy Registrar
(P.G. Admissions)

Ganeshkhind,
Pune - 411 007
Ref. No. PGS/4370
Date: 11 /12/2017

















Copy to: for Information and necessary action

1. The Members of the Management Council
2. The Deans of all Faculties
3. The Registrar, Savitribai Phule Pune University
4. The Director, Board of Examinations & Evaluation, SPPU.
5. The Head of all University Departments
6. The Principal of all Affiliated Colleges
7. The Directors of all Recognized Institutes
8. The Head of the Administrative Sections of the University office
9. Asstt. Registrar, office of the Hon. Vice-Chancellor, SPPU.
10. Asstt. Registrar, office of the Hon. Pro-Vice-Chancellor, SPPU.



ARCHITECTURE - ACADEMIC CALENDAR 2017-2018

[illegible]

	SEM START	 Teaching	 Orientation F.Y.B. Arch	 Examination	 College Events	 ICC ICC meeting	 SG Student Grivance cell meeting	 Diwali/summer Holiday Extension & OutreachProgramm	 SEM END
		 Holidays	 EXI Exhibition and Socials	 ADC ADC Meeting	 Study tour	 AR Anti Ragging committee meeting	 CIE Continous Internal Evaluation	 EXT	



M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

B) ACADEMIC CALENDARS-

(AY- 2020-2021 to AY2016-17)

5. AY- 2016-2017

- University Calendar Circular
- University Holidays Circular
- MVP COA-Institute Calendar



Savitribai Phule Pune University

(Formerly University of Pune)

**Circular No. 81 of 2016****Dates of Commencement and Conclusion of terms for the Academic Year 2016-2017****For Affiliated Colleges Only.**

It is hereby informed that, the dates of commencement and conclusion of the first and second term of University Courses under various faculties for the academic year 2016-17 shall be as under.

Sr. No.	Name of the Faculty	First Term		Second Term	
		Commencement	Conclusion	Commencement	Conclusion
1	Arts & Fine Arts :	15/06/2016	22/10/2016	21/11/2016	02/05/2017
2	Science :				
3	Mental Moral & Social Sciences :				
4	Commerce :				
5	Law : (UG & PG)				
6	Education :	01/07/2016	25/10/2016	23/11/2016	15/05/2017
7	Physical Education :	01/07/2016	25/10/2016	23/11/2016	15/05/2017
8	Engineering :				
	a.) Engg. Course SE,TE,BE & MCA- II & III Yr	15/06/2016	27/10/2016	15/12/2016	27/04/2017
	a.) Engg. Course ME - II Yr	18/07/2016	22/11/2016	12/01/2017	13/05/2017
	b.) B.Architecture Courses II, III, IV & V Yr	06/06/2016	08/10/2016	05/12/2016	08/04/2017
	c.) M. Architecture Courses,(II Year)	01/07/2016	27/10/2016	13/12/2016	22/04/2017
9	Pharmaceutical Science :				
	a.) B. Pharm	20/06/2016	30/11/2016	21/12/2016	04/05/2017
	b.) M. Pharm	18/07/2016	15/12/2016	11/01/2017	30/05/2017
10	Management :	07/07/2016	10/12/2016	26/12/2016	06/05/2017

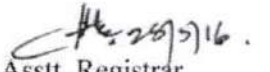
Teaching will begin on the date of commencement of the terms and immediately after the finalization of admissions; however, term would stand concluded on the dates mentioned above.

...2...

NOTE

- 1 In case, the Principal of the Affiliated Colleges require to give additional holiday in exceptional circumstances, he/she may do so by compensating the same by keeping the College working on Sunday.
- 2 The Terms & holidays for the Post-graduate courses conducted in the Colleges/Institutes will be as per the University Department.
- 3 Details of Various Activities for Engineering and Architecture Courses for the Academic Year 2016-17 attached Separately.

Ganeshkhind, Pune- 07
Ref. No. PGS/ 1854
Date : - 28/05/2016


Asstt. Registrar
(P.G. Admission)

- Copy to: for Information and necessary action
- 1) Members of the Management Council.
 - 2) Deans of all Faculties.
 - 3) Director, B.C.U.D., Savitribai Phule Pune University.
 - 4) Registrar, Savitribai Phule Pune University.
 - 5) Controller of Examination, Savitribai Phule Pune University.
 - 6) Co-ordinators of all Faculties.
 - 6) Head of all University Departments.
 - 7) Principal of all Affiliated Colleges.
 - 8) Directors of all Recognised Institutes.
 - 9) Head of the Administrative Sections of the University Office.
 - 10) Asstt. Registrar, office of H'ble Vice-Chancellor, Savitribai Phule Pune University.

Savitribai Phule Pune University

(Formerly University of Pune)



Academic Calendar for Various Activities for II Year (2015 pattern) III, IV & V Year (2008 pattern) **B. Arch**
for Academic Year 2016-17

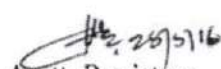
TERM - I		
Sr.No.	Details of Activities	Date
1	Commencement of Teaching	06/06/2016
2	Conclusion of Teaching	24/09/2016
3	Preparation Time (Sessional/Viva Voce)	24/09/2016 to 01/10/2016
4	Viva-Voce and Sessional Examination	03/10/2016 to 08/10/2016 (*)
5	Preparation Time (Theory)	10/10/2016 to 15/10/2016
6	Theory Examination	17/10/2016 to 02/11/2016
TERM - II		
Sr.No.	Details of Activities	Date
1	Commencement of Teaching	05/12/2016
2	Conclusion of Teaching	25/03/2017
3	Preparation Time (Sessional/Viva Voce)	27/03/2017 to 01/04/2017
4	Viva-Voce and Sessional Examination	03/04/2017 to 08/04/2017 (**)
5	Preparation Time	10/04/2017 to 15/04/2017
6	Theory Examination	17/04/2017 to 29/04/2017
7	Commencement of Term - I (2017-18)	05/06/2017

(*) Viva of the Practical Training of final year would be conducted in the first week of January 2017.

(**) Exam of the Architectural Project II of final year would be conducted from 03/04/2017 to 15/04/2017.

The In-semester exam of the II nd Year (2015 pattern) would be held on 18,19,20 July, 2016 for the Semester III and on 16,17,18 January, 2017 for Semester IV.

Ganeshkhind, Pune- 07
Ref. No. PGS/ 1854
Date : - 28/05/2016


Asstt. Registrar
(P.G. Admission)

Savitribai Phule Pune University
(Formerly University of Pune)



Academic Calendar for I Year B.Arch. for Academic Year 2016-17

TERM - I		
Sr. No.	Details of Activities	Date
1	Commencement of Teaching	08/08/2016
2	Conclusion of Teaching	26/11/2016
3	Viva Voce and Sessional Exam	28/11/2016 to 01/12/2016
4	Preparation Time	02/12/2016 to 08/12/2016
5	Theory Exam	09/12/2016 to 10/12/2016
TERM - II		
Sr. No.	Details of Activities	Date
1	Commencement of Teaching	12/12/2016
2	Conclusion of Teaching	07/04/2017
3	Viva Voce and Sessional Exam	10/04/2017 to 14/04/2017
4	Preparation Time	15/04/2017 to 23/04/2017
5	Theory Examination	24/04/2017 to 28/04/2017

Ganeshkhind, Pune- 07/
Ref. No. PGS/ 3508
Date : - 08/09/2016


Asstt. Registrar
(P.G. Admission)

Savitribai Phule Pune University
(formerly University of Pune)



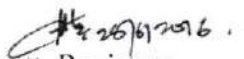
Circular No. 109 of 2016

During the Academic Year 2016 – 2017 following days are declared as Holidays for the Affiliated Colleges and Recognized Institutes for the First Term.

Sr.No.	Day of Holiday	Date	Day
1	Ramzan – Id (Id-ul-Fitar)	06/07/2016	Wednesday
2	Independence Day	15/08/2016	Monday
3	Ganesh Chaturthi	05/09/2016	Monday
4	Dasara	11/10/2016	Tuesday
5	Moharum	12/10/2016	Wednesday
6	Diwali (Balipratipada)	31/10/2016	Monday

Note

In case, the Head/ Principal/Directors of the Affiliated Colleges / Recognized Institutes requires to give additional holiday in exceptional circumstances, he/she may do so by compensating the same by keeping the Department/ College/Institute working on Sunday.


Asstt. Registrar
(PG Admissions)

Ganeshkhind,
Pune -411 007
Ref. No. PGS/2220
Date: 28/06/2016

Copy to : for information & necessary action

1. The Members of the Management Council.
2. The Deans of Faculties.
3. Director, B.C.U.D., Savitribai Phule Pune University, Pune.
4. The Registrar, Savitribai Phule Pune University, Pune.
5. Controller of Examination, Savitribai Phule Pune University, Pune.
6. The Co-ordinators of all Faculties.
7. The Principals of all Affiliated Colleges.
8. The Directors of all Recognized Institutes.
9. The Heads of all the Administrative Sections of the University Office.
10. Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University, Pune

Savitribai Phule Pune University
(formerly University of Pune)



Circular No. 209 of 2016

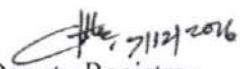
Holidays for IInd Term

During the Academic Year 2016 - 2017 following days are declared as Holidays for the University Departments, Affiliated Colleges and Recognized Institutes for Second Term.

Sr.No.	Day of Holiday	Date	Day
1	Republic Day	26/01/2017	Thursday
2	Mahashivratri	24/02/2017	Friday
3	Holi (Second day)	13/03/2017	Monday
4	Gudi Padwa	28/03/2017	Tuesday
5	Ram Navmi	04/04/2017	Tuesday
6	Dr. Babasaheb Ambedkar Jayanti	14/04/2017	Friday

Note

In case, the Head of the University Departments/Principals/Directors of the Affiliated Colleges/Recognized Institutes requires to give additional holiday in exceptional circumstances, he/she may do so by compensating the same by keeping the Department/ College/Institute working on Sunday.


Deputy Registrar
(PG Admissions)

Ganeshkhind,
Pune -411 007
Ref. No. PGS/4728
Date: 07/12/2017

Copy to : for information & necessary action :

1. The Members of the Management Council.
2. The Deans of Faculties.
3. Director, B.C.U.D., Savitribai Phule Pune University, Pune.
4. The Registrar, Savitribai Phule Pune University, Pune.
5. Controller of Examination, Savitribai Phule Pune University, Pune.
6. The Co-ordinators of all Faculties.
7. The Principals of all Affiliated Colleges.
8. The Directors of all Recognized Institutes.
9. The Heads of all the Administrative Sections of the University Office.
10. Asstt. Registrar, office of the Hon. Vice-Chancellor, Savitribai Phule Pune University, Pune



M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

C) Savitribai Phule Pune University – B. Arch Program Syllabus Details

1. 2019 PATTERN

- Syllabus Implementation Letter
- Syllabus Course Structure
- Syllabus Course Details
- Equivalence (2019 & 2015 Pattern)



**शैक्षणिक विभाग**

गणेशखिंड, पुणे-४११ ००७

दूरध्वनी क्र. : ०२०-२५६०१२५७/५८/५९

ई-मेल : boards@pun.unipune.ac.in

संकेतस्थळ : www.unipune.ac.in**सावित्रीबाई फुले पुणे विद्यापीठ**
(पूर्वीचे पुणे विद्यापीठ)**Savitribai Phule Pune University**
(Formerly University of Pune)**Academic Section**

Ganeshkhind, Pune - 411 007

Phone : 020-25601257/58/59

E-mail : boards@pun.unipune.ac.in

Website : www.unipune.ac.inसंदर्भ क्र : **CB/58/631**दिनांक : **04/07/2019****परिपत्रक क्रमांक. १४५ / २०१९**

विषय :- विज्ञान व तंत्रज्ञान विद्याशाखेअंतर्गत वास्तुशास्त्र पाच वर्ष बी.आर्च (२०१९ पॅटर्न) चा सुधारित आराखडा व प्रथम वर्ष अभ्यासक्रम शैक्षणिक वर्ष २०१९-२० पासून सुरू करणेबाबत...

विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार सर्व संबंधितांस या परिपत्रकाद्वारे कळविण्यात येते की, विज्ञान व तंत्रज्ञान विद्याशाखेअंतर्गत वास्तुशास्त्र पाच वर्ष बी.आर्च (२०१९ पॅटर्न) चा सुधारित आराखडा व प्रथम वर्ष अभ्यासक्रम शैक्षणिक वर्ष २०१९-२० पासून सुरू करण्यास मान्यता देण्यात येत आहे.

सदर अभ्यासक्रम सावित्रीबाई फुले पुणे विद्यापीठाच्या www.unipune.ac.in या वेबसाईटवर Syllabi – Academic Year 2019 – Faculty of Science and Technology (Architecture) या शीर्षकाखाली उपलब्ध आहे.

मा. प्राचार्य, सर्व संलग्नित वास्तुशास्त्र महाविद्यालये यांना विनंती की, सदर परिपत्रकाचा आशय सर्व संबंधितांच्या निदर्शनास आणून द्यावा.

उपकुलसचिव
(शैक्षणिक विभाग)

प्रत माहितीसाठी व पुढील योग्य त्या कार्यवाहीसाठी:—

१. मा. अधिष्ठाता, विज्ञान व तंत्रज्ञान विद्याशाखा
२. मा. प्राचार्य, सर्व संलग्नित वास्तुशास्त्र महाविद्यालये
३. मा. संचालक, सर्व मान्यताप्राप्त परिसंस्था
४. मा. संचालक, परीक्षा व मूल्यमापन मंडळ
५. मा. संचालक, स्पर्धा परीक्षा केंद्र
६. मा. उपकुलसचिव, परीक्षा (१,२)
७. मा. उपकुलसचिव, नियोजन व विकास विभाग
८. मा. उपकुलसचिव, शैक्षणिक पात्रता विभाग
९. मा. उपकुलसचिव, सभा व दफ्तर विभाग
१०. मा. संचालक, आंतरराष्ट्रीय केंद्र
११. मा. उपकुलसचिव, शैक्षणिक प्रवेश विभाग
१२. सहायक कुलसचिव, गोपनीय कक्ष
१३. सहायक कुलसचिव, परीक्षा—एस.अॅण्ड टी. विभाग
१४. सहायक कुलसचिव, परीक्षा समन्वय
१५. सहायक कुलसचिव, मा. प्र—कुलगुरू कार्यालय
१६. वरिष्ठ कायदा अधिकारी
१७. जनसंपर्क अधिकारी
१८. कक्षाधिकारी, बहिःस्थ विभाग
१९. प्रमुख, विद्यापीठ उपकेंद्र : अहमदनगर, नाशिक.

वि.प. ठराव क्र. ब १ पीए/१/२०१९, दि. ११जून, २०१९



शैक्षणिक विभाग

गणेशखिंड, पुणे-४११ ००७

दूरध्वनी क्र. : ०२०-२५६०१२५७/५८/५९

ई-मेल : boards@pun.unipune.ac.in

संकेतस्थळ : www.unipune.ac.in

सावित्रीबाई फुले पुणे विद्यापीठ
(पूर्वीचे पुणे विद्यापीठ)

Savitribai Phule Pune University
(Formerly University of Pune)

Academic Section

Ganeshkhind, Pune - 411 007

Phone : 020-25601257/58/59

E-mail : boards@pun.unipune.ac.in

Website : www.unipune.ac.in

संदर्भ क्र : CB/S&T/115

दिनांक : 12/02/2020

परिपत्रक क्रमांक. ४१ / २०२०

विषय :- विज्ञान व तंत्रज्ञान विद्याशाखेतर्गत वास्तुशास्त्र द्वितीय व तृतीय वर्ष बी.आर्च (२०१९ पॅटर्न) चा अभ्यासक्रम शैक्षणिक वर्ष २०२०-२१ पासून सुरू करणेबाबत.....

विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार सर्व संबंधितांस या परिपत्रकाद्वारे कळविण्यात येते की, विज्ञान व तंत्रज्ञान विद्याशाखेतर्गत वास्तुशास्त्र द्वितीय व तृतीय वर्ष बी.आर्च (२०१९ पॅटर्न) चा अभ्यासक्रम शैक्षणिक वर्ष २०२०-२१ पासून सुरू करण्यास मान्यता देण्यात येत आहे.

सदर अभ्यासक्रम सावित्रीबाई फुले पुणे विद्यापीठाच्या www.unipune.ac.in या वेबसाईटवर Syllabi - Academic Year 2020 - Faculty of Science and Technology (Architecture) या शीर्षकाखाली उपलब्ध आहे.

मा. प्राचार्य, सर्व संलग्नित वास्तुशास्त्र महाविद्यालये यांना विनंती की, सदर परिपत्रकाचा आशय सर्व संबंधितांच्या निदर्शनास आणून द्यावा.

उपकुलसचिव
(शैक्षणिक विभाग)

प्रत माहितीसाठी व पुढील योग्य त्या कार्यवाहीसाठी:-

१. मा. अधिष्ठाता, विज्ञान व तंत्रज्ञान विद्याशाखा
२. मा. प्राचार्य, सर्व संलग्नित वास्तुशास्त्र महाविद्यालये
३. मा. संचालक, सर्व मान्यताप्राप्त परिसंस्था
४. मा. संचालक, परीक्षा व मूल्यमापन मंडळ
५. मा. संचालक, स्पर्धा परीक्षा केंद्र
६. मा. उपकुलसचिव, परीक्षा (१,२)
७. मा. उपकुलसचिव, नियोजन व विकास विभाग
८. मा. उपकुलसचिव, शैक्षणिक पात्रता विभाग
९. मा. उपकुलसचिव, सभा व दफ्तर विभाग
१०. मा. उपकुलसचिव, परीक्षा—एस.अॅण्ड टी. विभाग
११. मा. उपकुलसचिव, शैक्षणिक प्रवेश विभाग
१२. सहायक कुलसचिव, गोपनीय कक्ष
१३. सहायक कुलसचिव, संलग्नता कक्ष
१४. सहायक कुलसचिव, परीक्षा समन्वय
१५. सहायक कुलसचिव, मा. प्र—कुलगुरू कार्यालय
१६. वरिष्ठ कायदा अधिकारी
१७. जनसंपर्क अधिकारी
१८. कक्षाधिकारी, बहिःस्थ विभाग
१९. प्रमुख, विद्यापीठ उपकेंद्र : अहमदनगर, नाशिक.
२०. सिस्टीम अॅनालिस्ट डेटा प्रोग्रेसिंग युनिट

वि.प. ठराव क्र. ब २०पीए/२०/२०२०, दि. २३, जानेवारी २०२०

SAVITRIBAI PHULE PUNE UNIVERSITY

[Formerly the University of Pune]



COURSE STRUCTURE

FIVE YEAR DEGREE COURSE IN ARCHITECTURE

[B.ARCH.]

TO BE IMPLEMENTED FROM 2019-20

BOARD OF STUDIES IN ARCHITECTURE

FACULTY OF SCIENCE AND TECHNOLOGY

BACHELOR OF ARCHITECTURE COURSE STRUCTURE AND RULES

PREAMBLE

The New Syllabus of the B.Arch. course hence forth to be referred as the 2019 Pattern, to be implemented from the year 2019-20, is designed to address the rising expectations of knowledge to be borne by an architect. The interdisciplinary nature of the field of architecture demands integration of knowledge domains from various disciplines such as humanities, art, and technology and so on. However, what distinguishes an architect is the design knowledge and ability to employ the knowledge from the various disciplines for arriving at a solution to a problem.

Hence the syllabus has been designed such that the professional core subjects are supported by building science and technology courses, professional ability enhancement courses and the elective courses. The professional ability enhancement courses and the practical training of one semester focus on connecting the students with the practice. The elective courses enable an exposure to some other domain or nurtures the students' proficiency or skill. The Audit courses are introduced to acknowledge the knowledge that the student seeks in his/her area of interest but not directly contribute to the CGPA.

At the end of the course the graduating student shall be able to methodically approach a problem of creating a built environment be it a small house or a township by employing knowledge from various domains and at the same time making it safe, equitable, feasible and environment friendly. Education needs to equip the student to face the challenges and demands in the field by imbibing first principles.

As per the University guidelines, the course is structured upon the Credit System Based Assessment. The syllabus is structured with the following objectives and expected outcomes

PROGRAM EDUCATIONAL OBJECTIVES[PEO]-

1. **Theoretical Base**—To establish strong theoretical base and understanding of Architecture and work of an architect.
2. **Knowledge and Skills**—To inculcate design sensitivity and ability, as well as knowledge in the domains of humanities, technology & art and impart skills so as to equip the graduate student to undertake work of an architect.
3. **Values** - Sensitize the students to the universal values of equity, environmental care, accessibility, and respect for heritage and equip them to address these through design.
4. **Research** -Train the students to methodically research a issue or a situation to find a creative solution to meet the contextual challenges in the realm of changing technologies, socio economic and cultural changes.
5. **Practice and Ethics**- To enable the students to practice as architects and imbibe them with the knowledge of the professional practice and ethics.
6. **Changes and Diversification**- To expose the students to the changes in architectural practice, diversifications and evolving role of an architect.

PROGRAM OUTCOMES [PO]

1. **Knowledge** -Understanding about role of various knowledge domains such as humanities, technology, and environment in design of built environment.
2. **Principles & Theory**- Knowledge of principles of architecture & theoretical knowledge and its application in design.
3. **Creativity** - Creative and design thinking ability.
4. **Practice** - Ability to understand real life situation of Architectural Practice and to work with ethical and professional responsibilities.
5. **Collaborative Working** -Ability to communicate effectively and work in interdisciplinary groups.
6. **Inclusivity** -Sensitivity in design for inclusivity, equity, environment, diverse cultures, and heritage.
7. **Technological Knowhow**-Ability to review, comprehend and report technological developments in the profession of architecture and construction.
8. **Ability to choose Area of Specialisation or Practise**- Able to judge one's area of interest and accordingly choose the field of practice.

Rule no.1: ELIGIBILITY FOR ADMISSION.

Eligibility Criteria: Students seeking admission to First year of Bachelor's degree course in Architecture must fulfil the eligibility criteria laid down by Savitribai Phule Pune University / Govt. of Maharashtra / Council of Architecture as applicable from time to time.

Rule no.2: SCHEME OF ASSESSMENT.

A candidate to be eligible for the degree of Bachelor of Architecture will be required to appear for and pass examinations as under:

	Semester Numbers	Credits
1	Semester 1	28
2	Semester 2	28
	Total credits for First Year B.Arch.	56
3	Semester 3	28
4	Semester 4	28
	Total credits for Second Year B.Arch.	56
5	Semester 5	28
6	Semester 6	28
	Total credits for Third Year B.Arch.	56
7	Semester 7	28
8	Semester 8	28
	Total credits for Fourth Year B.Arch.	56
9	Semester 9	14
10	Semester 10	24
	Total credits for Fifth Year B.Arch.	38
	Total credits	262

Total Credits of the Course = 262

Colleges may offer the students audit courses one per semester [Sem I to Sem VIII]. The students may choose to opt these courses. The passing in audit courses is by clearance and they are non- credits courses and are not part of the SGPA / CGPA calculation.

Rule no. 3: GRANTING OF TERM.

Academic year shall consist of two semesters of minimum 90 teaching days each. The candidate will be permitted to appear for examination **only if** he/she produces testimonials from the Principal of the College for:

1. 75% attendance in each head of passing of theory and/ or sessional work as prescribed by the University.
2. Satisfactory completion of the sessional work prescribed for each subject and securing minimum required marks in the internal assessment for the same.
3. Good Conduct.

Rule no. 4: RULES OF PASSING

- 4.1 To pass sessional [SS] / sessional viva [SV], the student has to earn minimum 50% marks.
- 4.2 To pass the theory subject head the student has to earn minimum of 45% marks in the End semester exam and minimum 45% average marks (In- Semester Assessment + End semester).
- 4.3 A student shall be promoted to higher class only if she/he scores 50% marks in the aggregate of the total marks of the year.
- 4.4 **For theory subjects** the failing student can repeat the end semester exam to pass the head in any semester and the In-semester assessment exam marks will be retained as it is. Or the failing student can repeat end semester exam as well as In-semester assessment for the head of even semester in the even semester only and for the head of odd semester in the odd semester.
- 4.5 To earn credits of a course (paper/SS/SV) student must pass the course with minimum passing marks / grade.
- 4.6 Student can apply only for the revaluation / photocopying / verification of answer sheets of End semester theory exam only.

Rule no. 5: RULES OF A.T.K.T.

- 5.1 A student can be admitted for the third semester if he/she earns minimum **50%** credits of the total of first and second semester.
- 5.2 A student can be admitted for the fifth semester if he/she earns minimum **50%** credits of the total of third and fourth semester and all the credits (**100%**) of the first and second semester and passing grade of aggregate for first year.
- 5.3 A student can be admitted for the seventh semester if he/she earns minimum **50%** credits of the total of the fifth and sixth semesters and all the credits (**100%**) of the third and fourth semesters and passing grade of aggregate for second year.
- 5.4 A student can be admitted for the ninth semester if he/she earns minimum **50%** credits of the total of the seventh and eighth semesters and all the credits (**100%**) of the fifth and sixth semesters and passing grade of aggregate for third year.

5.5A student would be awarded B.Arch. only if he/she earns **262 (100%) credits** and gets passing grade in all the courses specified in the syllabus and gets passing grade of aggregate within the time permissible by the University.

Rule No. 6: PREREQUISITES FOR ENROLLING FOR THE SUBJECT OF ARCHITECTURAL DESIGN and ARCHITECTURAL DESIGN PROJECT

6.1 A candidate shall not be permitted to enrol for the Architectural Design course in a semester unless he/ she has completed [*attended the course, submitted the work*] of the Architectural Design course of the previous semester and satisfied prerequisites as per 6.2.

6.2 Prerequisites for appearing in Examination

Sr.No.	Appear for examination in	Passing grade to be obtained in
01	Architectural Design III	Architectural Design I[SV]
02	Architectural Design IV	Architectural Design II[SV]
03	Architectural Design V	Architectural Design III[SV]
04	Architectural Design VI	Architectural Design IV[SV]
05	Architectural Design VII	Architectural Design V[SV]

6.3 A candidate shall not be permitted to enrol for the tenth semester Architectural Design project course unless he/ she has successfully completed [*passed*] and received passing grades in Practical Training/ Internship and Architectural Design VI & Architectural Design VII.

The rules of Passing, ATKT and Prerequisites have to be read in conjunction with each other and not in isolation.

Rule no. 7: ASSESMENT AND GRADE POINT AVERAGE

7.1 A grade assigned to each head based upon marks obtained by the student in examination of the course.

Table 1
GRADING SYSTEM FOR PASSING HEADS (THEORY)

Grade	Grade Points	% of Marks Obtained	Remarks
O	10	90-100	Outstanding
A	9	80-89	Very good
B	8	70-79	Good
C	7	60-69	Fair
D	6	50-59	Average
E	5	45-49	Below average
F	0	Below 45	Fail

Table 2
GRADING SYSTEM FOR [SESSIONAL/ SESSIONAL VIVA and AGGREGATE]

Grade	Grade Points	% of Marks Obtained	Remarks
O	10	90-100	Outstanding
A	9	80-89	Very good
B	8	70-79	Good
C	7	60-69	Fair
D	6	50-59	Average
F	0	Below 50	Fail

- 7.2 Passing grades for various heads:** The grades O, A, B, C, D & E are passing grades for theory papers. The grades O,A,B,C & D are passing grades for sessional and/or sessional viva voce heads. A candidate acquiring any one of these grades shall be declared as pass only in that particular head.
- 7.3 Passing grades for Aggregate:** The grades O, A, B, C & D are passing grades in the aggregate.
- 7.4 F grade for various heads:** The grade F is a failure grade. The student with F grade will have to pass the concerned course by reappearing for the examination.
- 7.5 F grade for aggregate:** The grade F is a failure grade for aggregate. The student with F grade will have to appear for paper &/ or sessional &/or sessional viva voce for improvement of aggregate.

Rule no. 8: EXAMINATIONS.

The type of examination / assessments are as follows

- I. In Semester Examinations for Theory conducted and assessed at the college
- II. End Semester Theory Paper conducted by the University and assessed at the CAP by the University.
- III. Continuous Assessment for Sessional to be maintained and record to be kept by the subject faculty. The progressive work done by a student through out the semester to be maintained for architectural design course. The weightage of this continuous internal assessment [CIA] shall be 50% of the total marks allocated for the sessional work. The remaining marks to be given by the external examiner referred as External assessment [EA]. CIA and EA will be entered as aggregate at the time of external examination. Break up of marks is mentioned in detailed syllabus at respective subjects.
- IV. Viva voce to be jointly conducted by internal and external examiner at the end of the semester and the weightage for internal and external examiner's assessment will be equal [50:50] and break up of marks is mentioned in detailed syllabus at respective subjects.
- V. For subjects having both sessional assessment and viva voce the marks to be entered as an aggregate of sessional and viva voce.

Structure of Theory Subject Assessment

8.1 The theory subject assessment shall be conducted in two phases for the subjects [Except Architectural Design V paper] as indicated in the structure viz.: In Semester assessment and End Semester examination. This structure of assessment/examinations shall be as below: -

	Time	Mode	Syllabus Coverage	Duration	Max. Marks
In semester Assessment	After the End of 6 th week but before the end of 8 th week	As mentioned in point 8.2 below	Unit I & II	60 minutes	30
End Semester Examination	End of Semester	Written	All Units	150 minutes	70

8.2 The in semester assessment can be in one of the following format- Tutorial / Class test/ Open book test/Time bound assignment/MCQ type Quiz/ and any other innovative time bound assignment to assess the learning of the student. The assessment record to be kept with the college and submitted to the University as and when demanded.

Rule no. 9: CONDUCT AND ASSESSMENT OF EXAMINATIONS.

Theory Assessment

- 9.1 In-Semester Assessment: Shall be carried out at concerned college by the subject faculty as per rule no. 8 above.
- 9.2 End-Semester Examination: Shall be carried out at concerned college as per 8.1 above and schedule of examination program and the question paper for theory exam will be made available by the University.
- 9.3 End-Semester Examination Assessment: Will be done at the CAP centre by the examiners appointed by the University.

Sessional Work Assessment.

- 9.4 The sessional and /or viva examinations is to be conducted and assessed by external and internal examiner approved by the University.
- 9.5 In respect of Sessional work at F. Y. B.Arch., S. Y. B.Arch., T. Y. B.Arch. Fourth Yr. B.Arch. and Fifth Year B.Arch. it shall be continuously assessed by the teacher during semester. The progressive work done by a student in architectural design through out the semester to be maintained.
- 9.6 Performance of Sessional / Viva-voce Examination shall be assessed on the basis of understanding of the concepts and principles of the content and not on the basis of mere completeness of results and ornamental or colourful presentation.
- 9.7 Drawings and reports / notes shall be manually prepared. Students may use computers for sessional work under the guidance of the teachers where nature of work is individual and stress is on content rather than skill. The work done by the students has to be authenticated for its originality by the concerned teachers.

- 9.8 At all the examinations **except** for the SEMESTER X : ARCHITECTURAL DESIGN PROJECT, external assessment shall be carried out by teachers from other college in the University not teaching that subject in the institute where the examination is being conducted.
- 9.9 For tenth semester Architectural Design Project an external examiner means a professional/ academician not teaching in any of the colleges under the University and Internal Examiner is one who is teaching that particular subject in the same/any other college under the University.
- 9.10 Any examiner shall have a minimum of three years teaching/professional experience in a field of study relating to the subject of examination. However an external examiner for 10th Semester Architectural Design Project Shall have minimum of 10 years teaching/professional experience.

Rule no.10: PERFORMANCE INDICES

- 10.1 The semester end grade sheet will contain grades for the course along with titles and SGPA. Final grade sheet and transcript shall contain CGPA.
- 10.2 SGPA: The performance of a student in a semester is indicated by a number called the semester grade point average (SGPA). The SGPA is the weighted average of grade points obtained in all the courses registered by the student during the semester.

Semester Grade Point Average (SGPA) =

$$\text{SGPA} = \frac{\sum_{i=1}^p C_i G_i}{\sum_{i=1}^p C_i}$$

$$= \frac{\sum \text{Grade Points earned} \times \text{Credits for each course}}{\text{Total Credits}}$$

For example : Suppose in a given semester a student has registered for five courses having credits C1, C2, C3, C4, C5 and his / her grade points in those courses are G1, G2, G3, G4, G5 respectively, Then the SGPA would be

$$\text{SGPA} = \frac{C_1 G_1 + C_2 G_2 + C_3 G_3 + C_4 G_4 + C_5 G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

SGPA is calculated up to two decimal places by rounding off.

1. **CGPA** : The CGPA is the weighted average of the grade points obtained in all the courses (theory /sessional / sessional vivavoce) of **all the ten** semesters. It is calculated in the same manner as the SGPA. It is calculated based upon the SGPA of the concerned semesters.

Rule no. 11: RESULT

Based on the performance of the student in the semester examinations, the Savitribai Phule Pune University will declare the results and issue the Semester grade sheets. The class shall be awarded to a student on the CGPA calculated in rule no. 10(3). The award of the class shall be as per the table no. 3 below.

Table 3

Sr.No.	CGPA	Class of the degree awarded
1	7.75 or more than 7.75	First class with distinction
2	6.75 or more but less than 7.75	First class
3	6.25 or more but less than 6.75	Higher second class
4	5.5 or more but less than 6.25	Second class

Rule no. 12: EXEMPTIONS

In case a candidate fails in an examination but desires to appear again,

- Examinations will be held in Oct./Nov.& Apr/May.
- He/She may be exempted from appearing in the head/s of passing in which he/she has passed.
- The students failing to get minimum passing grade for aggregate in a year can also appear for the examinations (paper and/or sessional and/or sessional-viva-voce) to enhance their marks in maximum four heads.
- The above a, b and c are subject to the provisions of passing, ATKT and pre-requisites rules mentioned in these rules and regulations.

Rule no. 13: INTRODUCTION OF THIS CURRICULUM.

The new curriculum for the Degree course in Architecture B.Arch. will be introduced gradually as under:

- First Yr. B. Arch. Course from June 2019
- Second Yr. B. Arch. Course from June 2020
- Third Yr. B. Arch. Course from June 2021
- Fourth Yr. B. Arch. Course from June 2022
- Final Yr. B. Arch. Course from June 2023

Rule no. 14: OTHER RULES.

University may frame additional rules and regulations or modify these regulations if needed and once approved by the University they would be binding on the students.

COURSE STRUCTURE BACHELOR OF ARCHITECTURE [B.Arch.]

The syllabus structure is based upon 28 clock hours per week for 1st to fourth year. Additionally 2 clock hours per week are assigned for utilisation for the lectures / allied activities focussing on the individual philosophy of the institute in form of audit courses / site visits / special lectures / workshops / seminars etc offering choice based activities for the institutes / students. The periods considered for calculating the teaching load are of 60 min duration. The architectural design / architectural design project and building construction studio credits are calculated as 1 hour = 1.5 credits, allied studios/labs/workshops are calculated as 1 hour = 0.5 credits and theory lectures are calculated as 1 hour = 1 credit. The detail structure of the syllabus for the ten semester course is given below.

(Note: SS= Sessional work; In Sem = In Semester exam ; End Sem = End semester exam; SV= Sessional and Viva voce; L= Lecture, S=Studio, T=Total ; Theory Paper -P

FIRST YEAR B.ARCH. SEMESTER I

Course Code	Course Title	L	S	T	Theory		Sessional and / Viva		Total Marks	Credits
					In Sem	End Sem	SS	SV		
1201901	Basic Design	1	6	7			250		250	10
1201902	Building Construction & Materials I[P]	2		2	30	70			100	2
1201903	Building Construction & Materials I[SV]		3	3				100	100	5
1201904	Theory of Structures I	2		2	30	70			100	2
1201905	Architectural Graphics and Drawing I	1	4	5			100		100	3
1201906	History of Arch & Culture I	1	2	3			50		50	2
1201907	Communication Skills	2	1	3			50		50	2
1201908	Workshop I	1	2	3			100		100	2
		10	18	28					850	28
1201917	Audit Course									

FIRST YEAR B.ARCH. SEMESTER II

Course Code	Course Title	L	S	T	Theory		Sessional and / Viva		Total Marks	Credits
					In Sem	End Sem	SS	SV		
1201909	Architectural Design I	1	6	7				250	250	10
1201910	Building Construction & Materials II[P]	2		2	30	70			100	2
1201911	Building Construction & Materials II[SV]		3	3				100	100	5
1201912	Theory of Structures II	2		2	30	70			100	2
1201913	Architectural Graphics and Drawing II	1	4	5			100		100	3
1201914	History of Arch & Culture II	1	2	3			50		50	2
1201915	Fundamentals of Architecture	2	1	3			50		50	2
1201916	Workshop II	1	2	3			100		100	2
		10	18	28					850	28
1201918	Audit Course									

SECOND YEAR B.ARCH. SEMESTER III

Course Code	Course Title	L	S	T	Theory		Sessional and / Viva		Total Marks	Credits
					In Sem	End Sem	SS	SV		
2201917	Architectural Design II	1	6	7				250	250	10
2201918	Building Construction & Materials III[P]	2		2	30	70			100	2
2201919	Building Construction & Materials III[SV]		3	3				100	100	5
2201920	Theory of Structures III	2		2	30	70			100	2
2201921	Computer Aided Drawing and Graphics	1	3	4			50		50	2
2201922	History of Arch & Culture III	1	2	3			50		50	2
2201923	Building Services I[P]	2	0	2	30	70			100	2
2201924	Building Services I[SS]	0	2	2			50		50	1
2201925	Climatology	1	2	3			50		50	2
		10	18	28					850	28
2201935	Audit Course									

SECOND YEAR B.ARCH. SEMESTER IV

Course Code	Course Title	L	S	T	Theory		Sessional and / Viva		Total Marks	Credits
					In Sem	End Sem	SS	SV		
2201926	Architectural Design III	1	6	7				250	250	10
2201927	Building Construction & Materials IV[P]	2		2	30	70			100	2
2201928	Building Construction & Materials IV[SV]		3	3				100	100	5
2201929	Theory of Structures IV	2		2	30	70			100	2
2201930	Environmental Science	1	2	3			50		50	2
2201931	History of Arch & Culture IV	1	2	3			50		50	2
2201932	Building Services II[P]	2	0	2	30	70			100	2
2201933	Building Services II[SS]	0	2	2			50		50	1
2201934	Site Survey and Analysis	1	3	4			50		50	2
		10	18	28					850	28
2201936	Audit Course									

THIRD YEAR B.ARCH. SEMESTER V

Course Code	Course Title	L	S	T	Theory		Sessional and / Viva		Total Marks	Credits
					In Sem	End Sem	SS	SV		
3201935	Architectural Design IV	1	6	7				250	250	10
3201936	Building Construction & Materials V[P]	2		2	30	70			100	2
3201937	Building Construction & Materials V[SV]		3	3				100	100	4
3201938	Theory of Structures V	2		2	30	70			100	2
3201939	Landscape Architecture	1	3	4			100		100	3
3201940	Elective I [Contemporary Architecture]	1	2	3			100		100	2
3201941	Building Services III[P]	2	0	2	30	70			100	2
3201942	Building Services III[SS]	0	1	1			50		50	1
3201943	Working Drawing I	1	3	4			100		100	2
		10	18	28					1000	28
3201953	Audit Course									

THIRD YEAR B.ARCH. SEMESTER VI

Course Code	Course Title	L	S	T	Theory		Sessional and / Viva		Total Marks	Credits
					In Sem	End Sem	SS	SV		
3201944	Architectural Design V[SV]		5	5				250	250	8
3201945	Architectural Design V*[P]	2		2		100			100	2
3201946	Building Construction & Materials VI	2	3	5				150	150	6
3201947	Theory of Structures VI	2		2	30	70			100	2
3201948	Research In Architecture I	1	2	3			50		50	2
3201949	Elective II	1	3	4			100		100	3
3201950	Building Services IV[P]	2		2	30	70			100	2
3201951	Building Services IV[SS]		1	1			50		50	1
3201952	Working Drawing II	1	3	4			100		100	2
		11	17	28					1000	28
3201954	Audit Course									

*The Architectural Design V [Paper] will be of 12 hours duration spread over two days of 6 hours a day. The first day will be 6 hours without break. The second day will be 6 hours with a break after 3 hours.

FOURTH YEAR B.ARCH. SEMESTER VII

Course Code	Course Title	L	S	T	Theory		Sessional and / Viva		Total Marks	Credits
					In Sem	End Sem	SS	SV		
4201953	Architectural Design VI	1	7	8				300	300	11
4201954	Advanced Building Construction & Services I	1	2	3				150	150	4
4201955	Urban Studies I	2	2	4			100		100	3
4201956	Research In Architecture II	1	2	3			50		50	2
4201957	Elective III	1	2	3			50		50	2
4201958	Quantity Surveying & Specification Writing I	2	2	4	30	70			100	3
4201959	Professional Practice	2	1	3	30	70			100	3
		10	18	28					850	28
4201967	Audit Course									

FOURTH YEAR B.ARCH. SEMESTER VIII

Course Code	Course Title	L	S	T	Theory		Sessional and / Viva		Total Marks	Credits
					In Sem	End Sem	SS	SV		
4201960	Architectural Design VII	1	7	8				300	300	11
4201961	Advanced Building Construction & Services II	1	2	3				150	150	4
4201962	Urban Studies II	2	2	4			100		100	3
4201963	Elective IV	1	2	3			50		50	2
4201964	Elective V	1	2	3			50		50	2
4201965	Quantity Surveying & Specification Writing II	2	2	4	30	70			100	3
4201966	Project Management	2	1	3	30	70			100	3
		10	18	28					850	28
4201968	Audit Course									

FIFTH YEAR B.ARCH. SEMESTER IX

Course Code	Course Title	L	S	T	In Sem	End Sem	Sessional and / Viva		Total Marks	Credits
							ss	sv		
5201967	Practical Training							250	250	14

FIFTH YEAR B.ARCH. SEMESTER X

Course Code	Course Title	L	S	T	In Sem	End Sem	Sessional and / Viva		Total Marks	Credits
							ss	sv		
5201968	Architectural Design Project	3	10	13				550	550	18
5201969	Entrepreneurship Development	2	2	4			100		100	3
5201970	Elective VI*	1	3	4			100		100	3
		6	15	21						24

*Elective VI is preferably offered as an open elective. In case it is not possible to offer open elective colleges should offer any elective from the list of electives which the student has not undertaken earlier.

ANNEXURE A : AUDIT COURSES

The student can opt for one audit course in a semester. A student can opt for a particular course from the list below only once and cannot repeat the same course. The courses may be offered based upon the availability of resources in a college. The method of conduct of course could be based on lectures, site visits, small projects, online sources etc. and can be devised by individual colleges. The course outline given is only suggestive and colleges can expand or modify it for enrichment of the course.

FIRST YEAR B.ARCH. [ANY ONE COURSE TO BE OFFERED PER SEMESTER FROM THE FOLLOWING]			
Sr. No.	Code	Title	Brief Course Outline
1	A	Crafts	Introduction to crafts across the world through history. Types of Indian crafts. Study of any one craft of India.
2	B	Creative Writing	Writing as an art. Fictional and non fictional writing. Poetry, short stories, playwriting. Famous Indian writers, poets and play wrights and their works.
3	C	Performing Arts	Introduction to performing arts across the world through history. Types of Indian performing arts. Introduction to Natya-Shastra. Classical, folk, traditional performing arts. Dance, Music, Drama, Cinema.
SECOND YEAR B.ARCH. [ANY ONE COURSE TO BE OFFERED PER SEMESTER FROM THE FOLLOWING]			
4	D	Foreign Language	Basic introduction to German or Japanese language or a language which a college may choose to offer – syllables, pronunciations, words, simple sentences, grammar.
5	E	Cyber security	Introduction to cyber crime. Types of cyber crimes. Do and don'ts while using computers, smart phones, internet. Security measures to protect from crime. Crime detection mechanism and legislation.
6	F	Yoga	Introduction to Yoga. Benefits of Yoga. Types of yogasanas.
THIRD YEAR B.ARCH. [ANY ONE COURSE TO BE OFFERED PER SEMESTER FROM THE FOLLOWING]			
7	G	Basics of Accounting and Book keeping	Introduction to accounting and various terminologies. Maintaining books of account. Debit and credit.
8	H	Electrical Maintenance	Basic electrical gadgets in home and offices. Introduction to problems related to electricity supply in home environments. Precautions while handling electrical gadgets and wiring. Mechanism of protection from electrical hazards.
9	I	Culinary Art and Practices	Introduction to the basic need of food. Geographical and cultural factors affecting food. Various cuisines and culinary arts across the world. Social, health, dietary, aspects of cuisines. Food cultures in modern times. Places of food.
FOURTH YEAR B.ARCH. [ANY ONE COURSE TO BE OFFERED PER SEMESTER FROM THE FOLLOWING]			
10	J	Civics	Constitution of India. Indian democracy. Citizenship and Rights and responsibilities of citizens. Legislative framework.
11	K	Right to Information	Right to Information Act in India. Its need, scope and significance. Use of right to information. Responsibilities of using RTI. Limitations of using RTI. Case studies and legal precedents of using RTI.
12	L	Sign Language	Introduction to need and significance of inclusive social environment. Communication with the persons who have hearing and speech disabilities. Learning sign language.

ANNEXURE B : LIST OF ELECTIVE COURSES.

Following are the broad streams and electives under them which can be offered in a college. A student can select any one elective from any stream for ***electives II to V each***. A student may adhere to a particular stream of elective of his/her choice and ***nurture his/her area of interest and develop his/her expertise***. However colleges have to ensure that the student does not repeat a particular elective.

Elective VI is preferably offered as an ***open elective***. In case it is not possible to offer open elective colleges should offer any elective from the list of electives which the student has not undertaken earlier.

Codes for stream A	Stream A Art / Design	Codes for Stream B	Stream B Technology / Management	Codes for stream C	Stream C Social/Humanities/History
A1	Product Design	B1	Architecture using Glass	C1	Gender and Architecture
A2	Furniture Design	B2	Architecture using Steel	C2	Architecture of South Asia
A3	Interior Design	B3	Mud Architecture	C3	Architectural Anthropology
A4	Architectural Conservation	B4	Pre fabricated construction	C4	Vernacular Architecture
A5	Universal Design	B5	Pre stressed construction	C5	Culture and Design
A6	Advanced Landscape Design	B6	Disaster Mitigation and Management	C6	Sociology and Architecture
A7	Graphic Design	B7	Green Buildings and Rating Systems	C7	Colonial Architecture
A8	Architectural Photography	B8	Sustainable Cities and Communities	C8	Regional Architecture
A9	Art in Architecture	B9	Building Performance and Compliance	C9	Cultural Landscapes
A10	Theory of Design	B10	Appropriate Building Technologies	C10	Slum Rehabilitation
A11	Urban design	B11	Earthquake Resistant Architecture	C11	Basics of Archaeology
A12	Architectural	B12	Tensile Structures	C12	Introduction to Anthropology

Codes for stream A	Stream A Art / Design	Codes for Stream B	Stream B Technology / Management	Codes for stream C	Stream C Social/Humanities/History
	Journalism				
A13	Music and Space	B13	Facility Management	C13	Environmental Psychology
A14	Healthcare Design	B14	Geographic Information System	C14	Ekistics
A15	Hospitality Design	B15	Parametric modelling	C15	Ecology
A16	Industrial Buildings Design	B16	BIM (Building Information Modelling)	C16	Politics and Architecture
A17	Way finding and Navigation	B17	Introduction to Programming and Embedded Design for Architects	C17	Indology
A18	User experience design	B18	Intelligent Building Systems	C18	Affordable Housing

SAVITRIBAI PHULE PUNE UNIVERSITY

[Formerly the University of Pune]



DETAILED SYLLABUS OF FIRST YEAR B.ARCH

SEMESTER I AND II

FIVE YEAR DEGREE COURSE IN ARCHITECTURE

TO BE IMPLEMENTED FROM 2019-20

BOARD OF STUDIES IN ARCHITECTURE

FACULTY OF SCIENCE AND TECHNOLOGY

SEMESTER I

BASIC DESIGN			
Subject Code 1201901[SS]			
TeachingScheme		ExaminationScheme	
TotalContact Hours per week= (lectures=1, Studio=6, Total=7)		Sessional [CIA 125+ EA 125]	250
		Viva	NIL
		In-semester exam	NIL
		End Semester exam	NIL
		TotalMarks	250
		Total Credits	10

COURSE OBJECTIVES:

- To help students understand the basic elements and principles of design
- To introduce the techniques of creativity, observation skills and to improve sensitivity to surroundings
- To sensitize students to the multi-sensory aspect of space.
- To introduce to various sources of inspiration for creativity

COURSE CONTENT:

The course should cover the following aspects of basic design

1. Study of visual elements of design [such as points, lines, planes, shapes, forms, space, color and texture] and Study of principles of design [such as balance, contrast, scale, proportion, pattern, rhythm and emphasis].
2. Introduction to multi-sensory aspects of space.
3. Techniques to improve creativity [such as brainstorming, matrix of ideas, random combinations, use of manipulative verbs, abstraction, transformation, list of mental associations and use of the ridiculous]
4. Space making through basic elements of design and principles of composition.
5. Role of experience, memory, fantasy, reality, imagination in design.
6. Sources of inspiration such as nature, history, material, climate, geometry, paradox, etc. for creativity.

SUBMISSION REQUIREMENT FOR SESSIONAL WORK:

There should be minimum eight assignments covering all the above course content to include two dimensional as well three dimensional explorations.

OUTCOME:

- Creation using elements and principles of design.
- Synthesis of multi-sensory aspects of space.
- Space making.

RECOMMENDED READINGS:

- Poetics in Architecture : Theory of Design by Anthony Antoniadis
- Operative Design: A Catalog of Spatial Verbs Paperback – 1 Jul 2013 by Anthony di Mari
- Pattern Language – Christopher Alexander
- The Design of Everyday Things by Donald Norman
- Architecture : Form Space and Order – Francis D. K. Ching
- Interior Spaces : Francis D K. Ching
- Universal Principles of Design by William Lidwell, Kristina Holden, Jim Butler
- Graphic Thinking for Architects and Planners by Paul Lassau
- Tim Brown – Change By Design
- Elements of Space Making – Yatin Pandya

BUILDING CONSTRUCTION AND MATERIALS I			
Subject Code 1201902 [THEORY] & 1201903 [SV]			
Teaching Scheme		Examination Scheme	
Total Contact Hours per week= (lectures=2, Studio=3, Total=5)		Sessional [CIA 25+EA 25]	50
		Viva [INT 25+ EXT 25]	50
		In-semester exam	30
		End Semester exam	70
		Total Marks	200
		Total Credits	07

COURSE OBJECTIVES:

- To develop a fundamental understanding of basic building elements, their function and behaviour under various conditions with specific reference to load bearing construction.
- To study the principles of designing components of load bearing structures – foundation, plinth, wall, openings etc. with study of materials suitable for load bearing construction.

COURSE CONTENT:

UNIT I Introduction to various building elements from foundation to roof and concept of load transfer.

UNIT II Introduction to building materials with characteristics, common tests, market forms and Applications.

- 1) Suitable for load bearing construction such as stone, bricks, concrete blocks, soil stabilized blocks, rammed earth construction etc.

2) Lime mortar; cement mortar; various pointing and plastering techniques and their processes

UNIT III Strip Foundations suitable for load bearing structures in stone and brick up to plinth level including foundation for steps--Plinth formation, DPC-- Introduction to various tools and equipment commonly used in construction.

UNIT IV Load bearing / non load bearing masonry construction using materials such as Stone, bricks, concrete blocks, soil stabilized blocks, rammed earth construction.

UNIT V Introduction to openings, spanning of openings by types of arches and lintels, principles and terminology of arch construction spanning of openings using materials mentioned in unit III.

UNIT VI Introduction to Bamboo as construction material.

SUBMISSION REQUIREMENT FOR SESSIONAL WORK: Hand drawn drawings/Proportionate sketches on Units 4 and 5; Assignments on units 1, 2, 3 and 6 include sketches, notes, market survey and min one model based on unit 4 or unit 5.

OUTCOME: Students will develop a basic understanding of the relationship of materials to construction systems, techniques and methodology with specific reference to load bearing construction

RECOMMENDED READINGS:

- Dr. B.C Punmia (2012) *Building Construction* (10th edition) Laxmi Publications.
- Harold B.Olin, John L. Schmidt (1994) *Construction principles, Materials and Methods*, John Wiley & Sons, Inc.
- Narayanamurty, D.; Mohan, D (1972) *The use of Bamboo and reeds in building construction* ,UNO Publications
- Roy Chudley, Roger Greeno (2016), *Construction Technology*, 11th Edition Routledge.
- S.C.Rangwala (2013) *Engineering materials* (Fortieth edition),Charotar Publishing pvt.ltd.
- S.K. Duggal(2016) *Building materials* (4th edition) – New age international publishers.
- Willam Morgan (1977) *The elements of structure: An introduction to the principles of building and structural engineering* Distributed by Sportshelf; 2nd edition
- W.B. Mckay (2015) *Building construction Vol. 1* (5th edition), Vol. 2 (4th edition) and Vol. 3 (5th edition).
- Bureau of Indian standards - Handbook on Masonry Design and Construction (First Revision);National Building Code of India 2016 (Volume 1) and I.S.I. Specifications

THEORY OF STUCTURES I			
Subject Code 1201904 [THEORY]			
Teaching Scheme		Examination Scheme	
Total Contact Hours per week= (lectures=2, Total=2)		Sessional Viva	NIL
		In-semester exam	30
		End Semester exam	70
		Total Marks	100
		Total Credits	02

COURSE OBJECTIVES:

- To Introduce Applied Mechanics and Theory of Structures and their significance and application for architects.
- To Understand Different Systems of Forces and their Equilibrium and that a Building is a System of Forces in Equilibrium:

COURSE OUTLINE:

Unit 1: Forces:

1. **Applied Mechanics, Statics and Dynamics**, Importance of Study: Force, Definition, Effects of Forces, Different Systems of Forces , Principle of Transmissibility and Superposition of Forces: Resolution and Composition of Forces:
2. **Equilibrium of Concurrent and Non Concurrent Forces**. Conditions of Equilibrium for a System of Concurrent Forces, Parallelogram, Polygonal & Triangular Law of Forces: Lami's Theorem: Resultant and Equilibrant of a System of Concurrent Forces: Moment as an Effect of a Force. Couple and Properties of Couple, Varignon's Principle, Conditions of Equilibrium for a System of Non-Concurrent Forces
3. **Introducing Dead Loads and Live Loads**: Live Loads as concept only. Calculating Total Dead Loads of Walls Slabs etc. from densities.

Unit 2: Simple Stresses and Strains:

1. Linear Stresses and Strains. Hooke's Law. Stress Strain Diagram for Various Materials. Lateral Strain, Poisson's Ratio: Volumetric Strain, and Bulk Modulus. Shear Stress. Modulus of Rigidity. Relationship between various Moduli. Elastic, Plastic Brittle and Ductile Behaviour. Composite Materials,
Modular Ratio and Equivalent Area e.g. R.C.C Column with Steel Reinforcement:

Unit 3: Transfer of Load:

1. Understanding of Transfer of load in a Load bearing Structure and Framed Structure with essential differences. Basic Principles and care to be taken in Load Bearing Structures: Include principles of Earthquake resistant structures with respect to load bearing structures. Introducing Soil Bearing Capacity

Unit 4: C.G and M.I:

1. Concept of C.G and M.I: Formula only of C.G and M.I for rectangular, Triangular, Circular and Semi Circular Shapes. Parallel Axis Theorem and Radius of Gyration: Formula for Radius of Gyration of a Rectangular Shape

Unit 5: Supports and Loads:

1. Supports, Definition, Reactions offered by Simple, Fixed, Hinged and Roller Support.
2. Statically Indeterminate and Determinate Structures and Degree of Indeterminacy. Beams classified as Simply Supported, Cantilever, Over Hanging, Propped Cantilever, Fixed and Continuous:
3. Loads Classified as U.D.L, Point Load & Varying Load.
4. Loads Classified as Dead, Live, Wind, Snow, Seismic.
5. **Understanding Reactions for 5 Standard Cases:**
 1. Simple Supported Beam with full U.D.L
 2. Simple Supported Beam with Central Point Load
 3. Simple Supported Beam with Eccentric point Load
 4. Cantilevered Beam with Full U.D.L
 5. Cantilevered Beam with End Point Load

Unit 6: S.F.D and B.M.D of Simple Supported Beams Only:

1. Definitions of Shear Force and Bending Moment, Point of Zero Shear, S.F max and B.M max, Relationship Between S.F.D and B.M.D
2. S.F.D and B.M.D of 5 Standard Cases as in Point 6 of Unit 5:

NUMERICAL PROBLEMS TO BE SET AS PER FOLLOWING

1. Calculating Resultant, Equilibrant of a system of Concurrent Forces, and of individual force to get a system of forces into equilibrium. Problems to be limited to 4 forces only, Problems on Parallelogram law of Forces and Lami's Theorem. Problems on Resultant of a system of noncurrent forces as a system of forces in a linear horizontal member/beam only (Points of applications are along or perpendicular to the Beam Axis).
2. Calculating Stress, Strain, Change in Length, Young's Modulus, Stress and change in length for members connected along an axis and in equilibrium due to loads at various points on the axis, Calculating Stress and Load taken by individual materials in a composite Material. Bulk Modulus or Shear Modulus problems kept out of the scope of this syllabus.
3. Calculating width of strip Foundations for given load of super structure.
4. Calculating C.G and M.I to be limited to C, L, T and I Sections only: Also of Symmetrical Rectangular Shapes with Symmetrical Circular cut-outs. M.I of Rectangular Shape about Axis passing through base:
5. Support Reactions for Simply Supported Beams and Cantilevered Beams only (No Overhanging Beams or Inclined Roller Support). Loading to be of U.D.L always with one or two point loads. Problem on calculating dead loads and hence reactions on a beam either simple supported or cantilever beam
6. S.F.D and B.M.D of Simple Supported Beam only with full U.D.L and one or two point loads.

Course Outcome: At the end of semester student develops

- The understanding of building/structure as a system of forces and transfer of forces/load from roof to foundation and soil.
- The understanding of various loads acting on a structure
- The understanding of behaviour of elements like walls, beams and columns subjected to tension, compression, shear and bending.

Reference Books

1. Mechanics of Structures Volume 1 and 2 by Dr. H.J.Shah and S.B.Junnarkar
2. Strength of Materials by A.P.Dongre
3. Basic Structures by Phillip Garrison
4. Architectural Engineering Design by Robert Brown Butler
5. Vector Mechanics by Beer and Johnston
6. Applied Mechanics by R.S.Khurmi and N.Khurmi

ARCHITECTURAL GRAPHICS AND DRAWING I			
Subject Code 1201905 [SS]			
Teaching Scheme		Examination Scheme	
Total Contact Hours per week= (lectures=1, Studio=4, Total=5)		Sessional [CIA 50+EA50]	100
		Viva	NIL
		In-semester exam	NIL
		End Semester exam	NIL
		Total Marks	100
		Total Credits	03

COURSE OBJECTIVES:

- To introduce students to Architectural Graphics and drawing techniques and aspects of scale, annotations etc.
- To enable students to express simple three dimensional objects and building components Through Technical Drawings, using various graphic projection systems such as orthography, Isometric, Axonometric projections and cut sections.
- To introduce various techniques of sketching for recording, studying and communicating objects, buildings and spaces.

COURSE CONTENT :

Unit 1

- Introduction to Graphics elements (point , line, plane) and concept of scale.
- Introduction to various drawing instruments and methods of employing them for technical drawing and sketching.

Unit 2 -Introduction to technical architectural drawing and its components:

- Various Line types: meaning and application.
- Architectural Lettering and dimensioning techniques.
- Architectural annotations and conventions including representation of various building materials and building components.
- Various Standard and Graphic scales and their application.

Unit 3 Plane (two dimensional) and Solid (three dimensional) geometry:

- Introduction to graphical construction of various plane geometrical shapes and their relevance in Architectural Drawings.
- Introduction to various simple/ Euclidian Three Dimensional Solids 's and their generations

Unit 4 Projection Systems in Drawings and graphics

- Introduction to various projection systems used in Architectural drawing; such as Orthographic, Isometric and Axonometric projections to draw and represent various three dimensional Geometrical solid and hollow objects.
- Introduction to importance, meaning and drawing Section/s of various solid and hollow objects including building components

Unit 5 Scale Drawing

- Introduction to Architectural drawings such as Plans, Sections and Elevations of Building using techniques and skills learnt so far.

Unit 6 Sketching:

- Introduction to architectural sketching using various grades of graphite pencil.
- Principles of free hand sketching such as proportions, with primary thrust on sketching of building elements and built environment (indoor and outdoor).

SUBMISSION REQUIREMENT FOR SESSIONAL WORK :

Minimum eight of Manually drafted A1 size drawings covering units 2 to 5. For unit 6 a sketch book has to be maintained with atleast 15 sketches of various types mentioned in unit 6.

COURSE OUTCOME:

- Students at the end of the Semester should be able to comprehend and express nuances of graphic language through various methods learnt.
- Students should be able to communicate various ideas through Architectural Graphic representations including building plans and sections (drafting and sketching).

RECOMMENDED READINGS :

1. Ching Francis D.K.: Architectural Graphics
2. Kelsey W. E.: Geometrical & Building Drawing
3. Leslie Martin: Architectural graphics:
4. B. James: Essential of Drafting
5. H. Joseph and Morris: Practical plane and solid geometry
6. Gill Robert: Rendering with pen and ink
7. Burden Ernest: Architectural Delineation

HISTORY OF ARCHITECTURE AND CULTURE I			
Subject Code 1201906 V[SS]			
Teaching Scheme		Examination Scheme	
Total Contact Hours per week= (lectures=1, Studio=2, Total=3)		Sessional [CIA 25+EA 25]	50
		Viva	NIL
		In-semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	02

Course Objectives:

1. To introduce students to the developments in architecture through history as a result of the social, political, and geographical contexts.
2. To introduce students to the developments in architecture and its meaning, in the Indian sub-continent until 12th century AD with reference to development of typologies, forms, building techniques and features.
3. To gain an integrated understanding of settlements, landscape, and architecture as a manifestation of culture and geography.

Course Outline:

Unit 1: Architecture of the ancient River Valley Civilizations: Nile, Tigris and Euphrates, Indus.

Unit 2: Introduction to tribal and nomadic architecture of India.

Unit 3: Architecture of the Buddhist faith including development of stupas, chaityas, and viharas including rock cut architecture.

Unit 4: Architecture of the early Hindu temples, rock cut architecture of the Hindus. Architecture during the Maurya, Gupta, and Chalukya period. Architecture including temples, forts, step-wells, palaces, etc. of Northern India including architecture in Gujarat, Orissa, Madhya Pradesh, and Rajasthan.

Unit 5: Architecture of Southern India including development of temples and temple towns. Architecture under the Pallavas, Cholas, Pandyas, Nayaks, Hoysalas, and the Vijaynagar kingdom.

Unit 6: Introduction to the traditional Architecture of India with a focus on Maharashtra.

Sessional Work:

- A3 size sheets with sketches- preferably plans and sections- of various buildings discussed in the above units. A minimum of two sheets per unit are required. Minimum twenty buildings should be represented in the sheets across the semester.
- One tutorial.

Course Specific Outcomes:

1. An understanding of architecture, including settlements, landscapes and buildings as a cultural product shaped by various factors.
2. An understanding of the formal, structural, and stylistic aspects of architectural development.

Recommended Readings:

Brown, P. (n.d.). Indian Architecture: Buddhist and Hindu. Delhi: Kiran Book Agency.

Ching, F. D., Jarzombek, M., & Prakash, V. (2011). A Global History of Architecture. New Jersey: John Wiley and Sons Inc.

Dehejia, V. (1997). Indian Art. London: Phaidon.

Desai, M. (2018). Wooden Architecture of Kerala. Ahmedabad: Mapin.

Dhongde, S. R., & Ranade, J. (2009). Aurangabad: Culture, Art, Architecture. Aurangabad: INTACH Aurangabad Chapter.

Fergusson, J. (1891). History of Indian and eastern Architecture. London: John Murray.

Jain, K., & Jain, M. (2000). Architecture of the Indian Desert. Ahmedabad: AADI Centre.

Jain, S. (2004). Havelis: A Living Tradition of Rajasthan. Delhi: Shubhi Publications.

Joshi, O. P. (2010). Tribal Architecture in India. Ahmedabad: Tribal Research and Training Institute.

Juneja, M. (2008). Architecture in Medieval India. Delhi: Permanent Black.

Kanhere, G. K. (1989). Temples of Maharashtra. Mumbai: Maharashtra Rajya Sahitya va Sanskriti Mandal.

Kanhere, G. K. (2013). Temples, Wadas, and Institutions of Pune: A Legacy and Symbolism in Architecture. Pune: BNCA Publication Cell.

Kolkman, R., & Blackburn S. (2014). Tribal Architecture in Northeast India. Leiden: Brill.

Mate, M. S. (2008). Maratheshahi Vastushilpa. Pune: Continental Prakashan.

Pandya, Y. (2013). Concepts of Space in Traditional Indian Architecture. Ahmedabad: Mapin Publishing.

Pramar, V.S. (2005). A Social History of Indian Architecture. Delhi: Oxford University Press.

Pramar, V.S. (1989). Haveli: Wooden Houses and Mansions of Gujarat. Ahmedabad: Mapin.

Tadgell, C. (1994). The History of Architecture in India. London: Phaidon.

Taschen, A. (Ed.). (2003). Indian Interiors. Berlin: Taschen.

Taschen, A. (Ed.). (2008). Indian Style. Berlin: Taschen.

COMMUNICATION SKILLS			
Subject Code 1201907 [SS]			
Teaching Scheme		Examination Scheme	
Total Contact Hours per week= (lectures=2, Studio=1, Total=3)		Sessional [CIA 25+ EA 25]	50
		In-semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	2

Communication Skills

Objectives: To enhance skills required for effective communication in Architectural education and practice.

Course Content

Unit 1: Introduction to the various modes of communication and their significance.

Unit 2 : **Written communication:** Paraphrasing, Grammar and punctuation. Developing vocabulary pertaining to architecture and design through reading. Introduction to technical writing and forms of writing in architecture discipline such as site visit report, letters, tour reports, appraisals, email etc.. Expressing ideas and concepts through words.

Unit 2: **Verbal communication:** Presenting an idea/ thought, debate, group discussion. And **Nonverbal aspects of communication** such as body language, posture, stance etc.

Unit 3: **Graphical communication:** Analytical diagrams, info graphics, flow charts, mind maps, posters, logo design.

Unit 4: Use of **Digital tools for communication:** Basics of Word based, numerical based software, and visual presentation techniques such as photography, videography etc.

Sessional work: Minimum 6 assignments to cover the aspects mentioned above. Assignments may be tied up with other subjects in the syllabus, wherever relevant. Assignments to be framed focusing on the profession of architecture.

OUTCOME : At the end of the course the student should be able to communicate fluently in English language and also use tools of communication such as written and graphical for effective communication.

WORKSHOP I			
Subject Code 1201908 [SS]			
Teaching Scheme		Examination Scheme	
TotalContact Hours per week= (lectures=1, Studio=2, Total=3)		Sessional [CIA 50+EA50]	100
		Viva	NIL
		In-semester exam	NIL
		End Semester exam	NIL
		TotalMarks	100
		Total Credits	02

COURSE OBJECTIVES:

- To Introduce students to the Significance of Model making in Architecture in exploring and representing Massing, form of buildings and spaces
- Introduce to various basic model making techniques and materials their relationship.

COURSE CONTENT :

- Introduction to Importance of Model making in process and communication of Architectural design.
- Introduction to various materials (such as various paper, boards, foam board, wood, etc.) tools and techniques of architectural model making through construction of simple three dimensional objects and simple building models.

It is expected that the limitations and advantage of all the materials is explained by demonstration/presentation.

Models should preferably be co-ordinated with other subjects in the curriculum.

SUBMISSION REQUIREMENT FOR SESSIONAL WORK :

Minimum six assignments, with thrust on exploring at least three materials and techniques, understanding their appropriateness for the purpose.

OUTCOME:

Students at the end of Semester should be able to understand relevance of model making both in the process of design and as a Product

RECOMMENDED READINGS :

- John Taylor, Model Building for Architects and Engineers
- Rolf Janke, Architectural Models

SEMESTER II

ARCHITECTURAL DESIGN I			
Subject Code 1201909 [SV]			
Teaching Scheme		Examination Scheme	
Total Contact Hours per week= (lectures=1, Studio=6, Total=7)		Sessional [CIA100+EA100]	200
		Viva [INT 25+ EXT 25]	50
		In-semester exam	NIL
		End Semester exam	NIL
		Total Marks	250
		Total Credits	10

COURSE OBJECTIVES:

- To introduce design as a process of decision making.
- To introduce to the aspects of decision making such as anthropometry, climate, form, function, structure and material.
- To understand experiential quality of space.
- To comprehensively understand the role of socio cultural and geographical factors in shaping of rural settlements and architecture.

COURSE CONTENT:

Unit 1 : Study and analysis of small scale built spaces with respect to its context, comfort, function, anthropometrical data and layout

Unit 2 : Designing of single activity space like a seating area in public space, kiosks, play area, entrance gate etc. demonstrating the application of the design principles and communicated effectively through two and three-dimensional hand drawings, sketches and models.

Unit 3 : Study and analysis of a rural settlement and architecture with respect to lifestyle, climate & social structure etc.

Unit 4 : Designing in the context of the studied settlement.

SUBMISSION REQUIREMENT FOR SESSIONAL WORK:

- Assignments focusing on each of the four units above and to be presented in various mediums like doodles, sketches, diagrams etc in addition to the architectural drawings and models.

OUTCOME :

The student would be able to analyze simple spaces, identify factors affecting their design and be able to design a simple space for human use.

RECOMMENDED READINGS :

- A Pattern language by Alexander Christopher
- Structure in Nature -Strategy for Design- Peter Pearce
- Patterns in Nature - Peter Streens
- Visual thinking- Arnheim Rudolf
- Architecture: Form Space and order _ Francis D.K. Ching
- Rybczynski, Witold. *How the other half builds*
- Jan A. Silva and Leslie Fairweather. *A.J. Metric Handbook*
- Michael Pause & Roger H. Clark. *Precedents in Architecture*
- Gail Greet Hannah (2002). *Elements of Design*
- Bernard Rudofsky (1964). *Architecture without Architects: A Short Introduction to non-pedigreed Architecture*
- Ching Francis D.K.(1979). *Form, Space and Order*
- Ching Francis D.K.(.). *A Visual Dictionary of Architecture*
- Christopher Alexander (.). *A Pattern Language*
- Christopher Alexander(.). *The Timeless Way of Building*
- Robert Summer(.). *Design Awareness*
- YatinPandya (.). *Elements of Space Making*
- Paul Lassau (.). *Graphic Thinking for Architects & Planners*
- Rybczynski, Witold. *How the other half builds*
- Jan A. Silva and Leslie Fairweather. *A.J. Metric Handbook*
- Michael Pause & Roger H. Clark. *Precedents in Architecture*
- *Elements of Design*

BUILDING CONSTRUCTION AND MATERIALS II			
Subject Code 1201910 [THEORY] & 1201911 [SV]			
Teaching Scheme		Examination Scheme	
Total Contact Hours per week= (lectures=2, Studio=3, Total=5)		Sessional [CIA25+EA25]	50
		Viva [INT25+EXT 25]	50
		In-semester exam	30
		End Semester exam	70
		Total Marks	200
		Total Credits	2+5

COURSE OBJECTIVES:

- To develop a fundamental understanding of basic building elements, their function and behaviour under various conditions with specific reference to Timber construction.
- To study the principles of designing components of Timber Structure – Floor, Roofs ,Door, Windows

COURSE CONTENT:

UNIT I Introduction to earthquake, its magnitude and its effects earthquake resistant measures for load bearing construction. Construction of reinforced masonry walls, pillars and lintels; Masonry vaults and domes.

UNIT II Introduction to materials with characteristics, common tests, market forms and Applications.

1) Timber, timber derivatives and Introduction to various tools and equipment commonly used in carpentry work.

2) Roofing materials for small span sloping roofs including Mangalore tiles, sheet roof covering.

UNIT III Study of Single and double floor construction for G+1 building; Staircases – terminology and construction in timber.

UNIT IV Introduction to timber panelled and flush doors; various types of timber casement windows along with necessary joinery details, finishes required.

UNIT V Introduction to timber roof truss, forces in truss members; Construction of various types of roofs for spans up to 6m also king post and queen post truss.

UNIT VI Introduction to wooden partition and wall paneling used for interior application along with necessary joinery details, finishes required.

SUBMISSION REQUIREMENT FOR SESSIONAL WORK: Hand drawn drawings on Units 4,5 and 6; Assignments on units 1, 2 and 3 include sketches, notes, market survey and min one model based on unit 1,5 or unit 6.

OUTCOME: Students will expand a basic knowledge about earth quake, understanding of properties, construction techniques of timber with specific reference to use of timber in superstructure (spanning, framing techniques).

RECOMMENDED READINGS:

- Dr. B.C Punmia (2012) *Building construction* (10th edition) Laxmi Publications.
- Harold B.Olin, John L. Schmidt (1994) *Construction principles, Materials and Methods*, John Wiley & Sons, Inc.
- Roy Chudley, Roger Greeno (2016), *Construction Technology*, 11th Edition Routledge.
- S.C.Rangwala (2013) *Engineering materials* (Fortieth edition),Charotar Publishing pvt.ltd.
- S.K. Duggal(2016) *Building materials* (4th edition) – New age international publishers.
- Willam Morgan (1977) *The elements of structure: An introduction to the principles of building and structural engineering* Distributed by Sportshelf; 2nd edition.
- W.B. Mckay (2015) *Building construction Vol. 1* (5th edition), Vol. 2 (4th edition) and Vol. 3 (5th edition).

- Bureau of Indian standards - Handbook on Masonry Design and Construction (First Revision); National Building Code of India 2016 (Volume 1) and I.S.I. Specifications.

THEORY OF STUCTURES II			
Subject Code 1201912 [THEORY]			
Teaching Scheme		Examination Scheme	
Total Contact Hours per week= (lectures=2, Total=2)		Sessional Viva	NIL
		In-semester exam	30
		End Semester exam	70
		Total Marks	100
		Total Credits	02

COURSE OBJECTIVES:

- To Study S.F.D and B.M.D of Overhanging Beams
- To Introduce Lattice Constructions
- To Study the Effect of Forces on a Spanning Members
- To Understand Compression Members

Unit 1: S.F.D and B.M.D Continued:

1. Overhanging Beams on Both Side, Point of Contra flexure, Negative B.M, Representative S.F.D and B.M.D for Beam with Full U.D.L

Unit 2: Frames and Trusses:

1. Introduction to Plane Lattice Construction. Applications of Frames and Trusses with B.T Terminology of Rafters, Purlins etc.: Different Geometry of Trusses e.g. Howe Truss, Fink Truss, N Girder: Perfect Frames, Imperfect Frames, Redundant and Deficient Frames: Assumptions in the Solution of Frames: Effect of Horizontal and Vertical Forces on Frames.

Unit 3: Effect of Force on Spanning Members:

A. Bending Stresses:

1. Assumptions in the Theory of Simple Bending: The Theory of Simple Bending to create Moment of Resistance: Flexural Formula: Stress Distribution across a Section and across the span of the Beam: Moment of Resistance: Section Modulus and how M.R is proportional to square of depth. Why Beams should be deeper than Wider

B. Shear Stresses:

1. Shear Stress Formula: Stress Distribution across a Rectangular, Circular T, L, I, C Section: Differences between Bending Stress Distribution and Shear Stress Distribution across the Section and across the span: Simplified Formula for Rectangular and Circular Section (Hollow and Solid)

C. Deflection:

1. Definition of Deflection and Slope: Maximum and Minimum Slope and Deflection for Cases 1,2,4,5 as defined in semester 1. Double Integration Method of Calculating Deflection and Slope: Derive Formula for Deflection max and Slope max for a Simple Supported Beam with full U.d.l. Formula only for the remaining 3 cases(Omit case of Simple Supported Beam with eccentric point load)

Unit 4: Understanding the Failure of Compression Members:

a. Eccentric Loaded Columns:

1. Compression Members Subjected to eccentricity of loading about one and both axis. Derivation of Middle third Rule for eccentricity about one axis. Concept of Core or Kernel of a column for eccentricity about both axes. Applying the Middle Third Rule to Brick Pier Foundation.

b. Long Columns: and Short Columns:

1. Euler's Theory, Assumptions, Euler's Formula and its Limitations leading to Rankine's Theory. Long and Short Columns for different Materials: Various End Conditions and their Effective Lengths.

NUMERICAL PROBLEMS TO BE SET AS PER FOLLOWING

1. S.F.D and B.M.D of Over Hanging Beams with over-hang only on one side *with one udl per span and one or two point loads only*
2. Solution of Frames for Simple Supported Frames(with Symmetrical Loading) and Cantilever Frames using Method of Joints and Method of Sections only.
3. Problems based on Flexural Formula and Calculating Stresses at Distances away from the Neutral Axis, Given a section Calculating load or Span or load so that Stresses are not Exceeded.
4. Problems of Shear Stress Calculation for a Rectangular or Circular Section Only
5. Calculating Deflection max and slope max for symmetrically loaded simple supported or cantilever beams by substituting values in the formula and not by double integration
6. Calculating stresses and drawing stress diagrams for Eccentric loading on Compression Members about one axis only:
7. Analytical problems for Euler's Theory and Rankine's Theory. Problems on Rankine's Theory to be based on basic formula and not Rankine's constant.
8. *Note for all Problems: All Problems should be based on realistic material properties and section sizes*

Course Outcome: At the end of semester student develops

- The understanding of effect of various forces in terms of various stresses and deflection for various structural members like beams and columns.
- The understanding of truss as lattice construction and structural actions in it's members.

Reference Books

1. Mechanics of Structures Volume 1 and 2 by Dr. H.J.Shah and S.B.Junnarkar
2. Strength of Materials by A.P.Dongre
3. Basic Structures by Phillip Garrison
4. Architectural Engineering Design by Robert Brown Butler
5. Vector Mechanics by Beer and Johnston
6. Applied Mechanics by R.S.Khurmi and N.Khurmi

ARCHITECTURAL GRAPHICS AND DRAWING II			
Subject Code 1201913 [SS]			
Teaching Scheme		Examination Scheme	
Total Contact Hours per week= (lectures=1, Studio=4, Total=5)		Sessional [CIA50+EA50]	100
		Viva	NIL
		In-semester exam	NIL
		End Semester exam	NIL
		Total Marks	100
		Total Credits	03

COURSE OBJECTIVES:

- To enable the students to understand and express Composite three-Dimensional objects and buildings formed by additive and interpenetrated solids using various graphical projection systems including sections.
- To enable the students to communicate an architectural idea / proposal in a legible and effective manner through perspective projections, use of shades and shadows, and various architectural presentation and rendering techniques.

COURSE CONTENT :

Unit 1 Solid Geometry:

- Understanding and drawing of composite and complex three dimensional objects including building components formed by addition and/or interpenetration of various objects. .
- Surface Development of various three dimensional objects.
- Orthographic projections of true shapes of sectional planes.

Unit 2 Perspective Drawing:

- Drawing one-point and two-point perspective of objects and buildings/ building components using various methods including grid method.
- Introduction to concept of bird's eye view, worm's eye view etc

Unit 3 Sciography: Principles of Sciography (shades and shadows) for 3-Dimensional objects and buildings on plans, elevation, isometric and perspective.

SUBMISSION REQUIREMENT FOR SESSIONAL WORK :

- Sessional work should be planned to cover all the units mentioned in course outline with thrust on skill development, accuracy and understanding of the topic.

Unit -1	4 assignments
Unit 2	3 assignments
Unit 3	3 assignments

OUTCOME :

- Students at the end of the Semester should be able to comprehend and express composite solid geometry through sketches and drawings leading to comprehension of building components.

- Students should be able to communicate various ideas through Architectural Graphic representations including building plans and sections (drafting and sketching).

RECOMMENDED READINGS :

1. Ching Francis D.K.: Architectural Graphics
2. Kelsey W. E.: Geometrical & Building Drawing
3. Leslie Martin: Architectural graphics:
4. B. James: Essential of Drafting
5. H. Joseph and Morris: Practical plane and solid geometry
6. Gill Robert: Rendering with pen and ink
7. Burden Ernest: Architectural Delineation

HISTORY OF ARCHITECTURE AND CULTURE II			
Subject Code 1201914 [SS]			
Teaching Scheme		Examination Scheme	
Total Contact Hours per week= (lectures=1, Studio=2, Total=3)		Sessional [CIA25+EA25]	50
		Viva	NIL
		In-semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	02

Course Objectives:

1. To introduce students to the developments in architecture of the Indian sub-continent after 12th century AD as a result of the social, political, and geographical contexts.
2. To study the development of architecture with specific reference to form, technology, and ornament.
3. To gain an integrated understanding of settlements, landscape, and architecture as a manifestation of culture.

Course Outline:

Unit 1: Islamic principles of architectural form, ornament, and meaning. Early Islamic architecture and its evolution and development. Architecture under the Delhi Sultanate-Slave, Khalji, Tughlaq, Sayyid, and Lodhi dynasties.

Unit 2: Islamic architecture in Gujarat, Bengal, Malwa.

Unit 3: Mughal architecture and urbanism.

Unit 4: Post- Mughal architecture of India till 19th Cent. AD.

Unit 5: Development of architecture in the Deccan since the 12th AD.

Unit 6: Architecture of the Peshwa region and Western Maharashtra.

Sessional Work:

A3 size sheets with sketches- preferably plans and sections- of various buildings discussed in the above units. A minimum of two sheets per unit are required. Minimum twenty buildings should be represented in the sheets across the semester.

One measured drawing of a vernacular / traditional building from the region of the college. This can be undertaken as group work with identifiable individual contribution not less than 1 A2 sized sheet.

Course Specific Outcomes:

1. An understanding of architecture as a cultural product shaped by various factors.
2. An understanding of the formal, structural, and stylistic aspects of architectural development.
3. An understanding of Indian architecture of the twentieth century in the context of its historical precedents.

Recommended Readings:

Asher, C. B. (1992). *Architecture of Mughal India*. Cambridge: Cambridge University Press.

Brown, P. (n.d.). *Indian Architecture: Islamic*. Delhi: Kiran Book Agency.

Dehejia, V. (1997). *Indian Art*. London: Phaidon.

Dhongde, S. R., & Ranade, J. (2009). *Aurangabad: Culture, Art, Architecture*. Aurangabad: INTACH Aurangabad Chapter.

Fergusson, J. (1891). *History of Indian and eastern Architecture*. London: John Murray.

Juneja, M. (2008). *Architecture in Medieval India*. Delhi: Permanent Black.

Koch, E. (2014). *Mughal Architecture*. New York: Midpoint Trade Books.

Mate, M. S. (1961). *Islamic Architecture of the Deccan*. Pune: Deccan College Research Institute.

Michell, G., & Pasricha, A. (2011). *Mughal Architecture and Gardens*. Suffolk: Antique Collectors Club.

Michell, G., & Zebrowski, M. (1999). *Architecture and Art of the Deccan Sultanates*. Cambridge: Cambridge University Press.

Sohoni, P. (2018). *The Architecture of a Deccan Sultanate*. London: I.B.Tauris.

Tadgell, C. (1994). *The History of Architecture in India*. London: Phaidon.

Taschen, A. (Ed.). (2003). *Indian Interiors*. Berlin: Taschen.

Taschen, A. (Ed.). (2008). *Indian Style*. Berlin: Taschen.

Tillotson, G. (1999). *The Rajput Palaces*. Delhi: Oxford University Press.

FUNDAMENTALS OF ARCHITECTURE			
Subject Code 1201915 [SS]			
Teaching Scheme		Examination Scheme	
Total Contact Hours per week= (lectures=2, Studio=1, Total=3)		Sessional [CIA25+EA25]	50
		In-semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVES

To introduce the students to the field of architecture ,its scope and fundamentals

COURSE OUTLINE :

Unit 1 : Introduction to the profession of Architecture and its distinguishing characteristics with respect to other professions.

Unit 2 : Scope of architecture as a discipline

Unit 3 : Fundamentals of architecture -function , structure ,culture and environment and their integration into the architectural form

Unit 4 : Factors affecting architectural design- site, context , function, circulation, structural system, materials ,sustainability and aesthetics.

Unit 5 : Concept of Shelter and introduction to various building typologies and their design concerns

Unit 6: Scope and significance of subjects in architectural curriculum.

SESSIONAL WORK :

A Study journal and tutorial covering all the above mentioned units.
Appraisal report of any one building typology.

RECOMMENDED READINGS :

1. Structure in Architecture – Heller Robert and Salvadori Mario
2. Design Fundamentals in Architecture –Pramar
3. Architecture : Form, Space and order – Francis D. K.Ching

WORKSHOP II			
Subject Code 1201916 [SS]			
Teaching Scheme		Examination Scheme	
Total Contact Hours per week= (lectures=1, Studio=2, Total=3)		Sessional [CIA 50+ EA 50] VIVA	100 NIL
		In-semester exam	NIL
		End Semester exam	NIL
		TotalMarks	100
		Total Credits	02

COURSE OBJECTIVES:

- To enable students to make Architectural models with various materials during process of Design and Construction studios and as final presentation to express ideas
- Introduction to Digital modeling with basic softwares

COURSE CONTENT :

- Introduction to advanced materials such as balsa wood, polymers/ plastics, cork and the techniques to make Architectural Models
- Introducing computer aided/ Digital 3D Modeling of simple and composite objects as an exploratory tool.

SUBMISSION REQUIREMENT FOR SESSIONAL WORK :

Minimum six number of assignments with thrust on exploring materials & tools (physical as well as digital), understanding their appropriateness for the purpose. At least one of the assignment should be based on the design project and building technology concepts each.

OUTCOME :

Students at the end of Semester should be able demonstrate sufficient skills in making architectural models.

RECOMMENDED READINGS :

- John Taylor, Model Building for Architects and Engineers
- Rolf Janke, Architectural Models
- Aidan Chopra, Sketchup-2014 for Dummies

Architectural Design II		
Course Code	2201917[SV]	
TeachingScheme	ExaminationScheme	
TotalContact Hoursperweek (lectures=1 Studio=6, Total = 7)	Sessional [CIA 100 + EA 100] Viva [Int 25 + Ext 25]	200 50
	In semester exam	NIL
	End Semester exam	NIL
	TotalMarks	250
	Total Credits	10

COURSE OBJECTIVE:

To understand Architectural Design as a process generating design brief and taking design decisions based on the following aspects:

- **Socio-Cultural Aspects:** To introduce students to socio-cultural aspects like lifestyle, culture, traditions, and their effect on architectural design etc.
- **Aesthetics:** To understand the Aesthetic aspects of Design (visual and experiential) along with spatial attributes (scale and proportions, volume, texture, light and shadows, etc.) and formal characteristics. (profile, base, corner, termination).
- **Anthropometry & Function:** To address functional aspects of design (activity, use of space, adequacy and efficiency of space for a particular activity, essential adjacencies of spaces, ease and efficiency of circulation, light, ventilation, user-space relationship, vertical connections)
- **Climate:** To understand the Climatic aspects those have a bearing on architectural design and address climatic concerns like adequate light, ventilation, protection from rain, insulation, shading, heat gain, through passive strategies.
- **Building Material and Construction Technology:** To study relevance of various building materials to a project, to get introduced to various expressions of a building material, to introduce a student to the construction technologies relevant to the building materials chosen, to understand the scope and limitations of a building technique to achieve the desired form and space.
- **Building Services:** To understand the spatial and structural implications of basic services involved in building design.
- **Site :** To understand the site and its context, both immediate and wider, in order to enable students to take decisions of zoning, circulation within site, distribution of built and open spaces, activity relationships and adjacencies, and views.
- **Universal Design:** To understand the concept and principles of universal design.
- **Precedent Studies:** To introduce the students to learn from case, referral, live studies - process of observation, analysis, documentation and deriving inferences.

COURSE OUTLINE:

- Project 1 (Major Project) : A dwelling for a single family or clusters of dwellings for multiple families with area 300 sq.m. to 500 sq.m. The project should explicitly address at least 4-5 aspects of the design decision process from those listed above. The project should be designed without the aid of mechanical means for vertical transportation.
- Project 2 (Minor Project): A time bound assignment Short term project focusing specifically on any one of the aspects mentioned in course objectives/ Hands-on Workshop / Exercise based on detailing any one of the components of Project 1 but with separate deliverables in addition to the deliverable of Project 1.

SESSIONAL WORK:

- Project 1 (Major Project): The student must represent the identification of core design aspect, formulation of design approach and development, and the final design outcome through architectural drawings along with representative details of construction. Along with the drawings, the student must develop the design through a series of models/ 3D visualizations made at various stages.
Design deliverable for Project 1:
 - i. Portfolio A - Architectural drawings and model at an appropriate scale
 - ii. Portfolio B - Process drawings / tracings (Recommended)
 - iii. Study models of various stage (Recommended)
- For Project 2 (Minor Project): The deliverable in case of a time bound assignment or a design exercise should be a portfolio of drawings and / or model. In case of Workshops the deliverable should be a report to be presented on the day of viva.

COURSE OUTCOME:

- At the end of the course the student is equipped to take design decisions by considering various aspects and methodically evolve a design and communicate it in form of 2D and 3D representations.

REFERENCE BOOKS :

1. Antoniadou, A. (1992). The Epic of Gilgamesh: Utility to Metaphor Through the Dawn of Architecture. *IN Epic Space: Towards the Roots of Western Architecture*, 3-18.
2. Sommer, R. (1972). Design awareness.
3. Deasy, C. M. (1974). *Design for human affairs*. Halsted Press.
4. Alexander, C. (1977). *A pattern language: towns, buildings, construction*. Oxford university press.
5. Sealey, A. (1979). *Introduction to building climatology*. Commonwealth Association of Architects.
6. Franck, K. A., Lepori, R. B., & Franck, K. A. (2007). *Architecture from the inside out: from the body, the senses, the site, and the community* (p. 56). London: Wiley-Academy.
7. Salvadori, M. G., & Heller, R. (1963). *Structure in architecture* (No. 624). Prentice-Hall.
8. Pandya, Y. (2005). *Concepts of space in traditional Indian architecture*. Mapin Publishing Pvt.
9. Koenigsberger, O. H. (1975). *Manual of tropical housing & building*. Orient Blackswan.
10. Neufert, E., & Neufert, P. (2012). *Architects' data*. John Wiley & Sons.

11. Chiara, J. D., Panero, J., & Zelnik, M. (1991). *Time-saver standards for interior design and space planning*. McGraw-Hill.
12. Ching, F. D. (2014). *Architecture: Form, space, and order*. John Wiley & Sons.
13. Ching, F. D. (2011). *A visual dictionary of architecture*. John Wiley & Sons.
14. Nithya Srinivasan and Kiran Venkatesh., *91 Houses*. InCite
15. Publications by Costford
16. 15a. Laurie Baker. *Brickwork*. Costford
17. 15b. Laurie Baker. *A Manual Of Cost Cuts For Strong Acceptable Housing*. Costford
18. 15c. Laurie Baker. *Houses : How to reduce building costs*. Costford
19. 15d. Laurie Baker. *Mud*. Costford
20. 15e. Laurie Baker. *Rubbish by Baker*. Costford
21. 15f. Laurie Baker. *Earthquake*. Costford
22. 15g. Laurie Baker. *Rural Community buildings*. Costford
23. 15h. Laurie Baker. *Chamoli Earthquake Hand Book*. Costford
24. 15h. Laurie Baker. *Rural House plans*. Costford
25. 15h. Laurie Baker. *Are Slums In-evitable*. Costford
26. 15h. Laurie Baker. *Alleppey : Venice of the East*. Costford
27. 15h. Laurie Baker. *Rainwater Harvesting*. Costford
28. Arvind Krishnan, (2001) *Climate Responsive architecture*. Tata McGraw Hill
29. It is strongly recommended that students are exposed on the books on works of Master architects

Building Construction and Materials III		
Course Code	2201918 [P] & 2201919 [SV]	
Teaching Scheme	Examination Scheme	
Total Contact Hours per week (lectures=2 Studio=3, Total = 5)	Sessional [CIA 25 + EA 25]	50
	Viva [Int 25 + Ext 25]	50
	In semester exam	30
	End Semester exam	70
	Total Marks	200
	Total Credits	07

COURSE OBJECTIVES:

- To introduce students to soil study, its relevance to foundation.
- To introduce students to different building materials related to RCC construction.
- To understand basic principles of RCC construction w.r.t. smaller spans.

COURSE CONTENT:

UNIT I

- Introduction to Soil study & Foundation - Study of different types of soils and their bearing capacities; Concept of bulb of pressure and its significance for site investigation, Introduction to methods of site and strata investigation

- Introduction to different types of shallow foundations and footings and their application in construction

UNIT II: Reinforced Cement Concrete

- Cement: Composition of cement, properties, grades of cement & various types of cement and their uses
- Introduction to concrete as a material--Study of its ingredients viz. binding material, fine aggregate, coarse aggregate and water cement ratio, storage of materials on site, understanding good quality material; field & lab tests involved
- Various concrete mixes and their application in construction, and workability of concrete, Various types of cement concrete, the properties and application, additives and admixtures used in concrete
- Concreting: form work for concreting, mixing, transporting and placing, consolidating and curing of concrete.
- Reinforcement ---steel, grades of steel and steel-mesh reinforcement; along with role of reinforcement in RCC.
- Introduction to the concept of Precast Concrete.

UNIT III Reinforced Cement Concrete Construction upto plinth

- RCC frame structure for smaller spans generally applicable to residential structures, along with earthquake resistant features, reference of a RCC drawing
- R.C.C structural details up to plinth viz. footings, external and internal plinth beams, with plinth formation, with details for toilet block at plinth level.

UNIT IV Reinforced Cement Concrete Construction in superstructure

- Construction of columns, beams for various types of end conditions
- R.C.C floor slab details, viz. one-way, two-way slabs with different end conditions, column-beam-slab junction with details for toilet block, also lintel & weather-shed

UNIT V Windows in non- timber materials

- Study of non-timber windows with materials like Steel-framed, aluminum, UPVC and their construction details.

UNIT VI Flooring & paving materials

- Different flooring & paving types that are cast-in-situ viz. Mud flooring, Brick flooring, Indian Patent Stone finish, Terrazzo flooring etc. and readymade tiles available in market viz. natural stone tiles / slabs, mosaic cement tiles / blocks, ceramic tiles, vitrified tiles and other modern materials, including the process of providing or laying the flooring and pavement
- Floor finishes of various materials viz. carpet, linoleum, rubber, PVC etc.

SUBMISSION REQUIREMENT FOR SESSIONAL WORK:

Hand drafted drawings on Units 3 and 4 to cover all the aspects of course outline in sufficient detail; Assignments on units 1, 2, 5 and 6 to include sketches, notes, market survey. Site visits for unit 3 and 4 should be conducted and presented in report form.

OUTCOME: Students will develop a basic understanding of the relationship of materials to construction systems, techniques and methodology with specific reference to reinforce cement concrete construction; an understanding of the concepts of concrete as a building construction material.

RECOMMENDED READINGS:

- Dr. B.C Punmia (2012) Building Construction (10th edition) Laxmi Publications.
- Harold B.Olin, John L. Schmidt (1994) Construction principles, Materials and Methods, John Wiley & Sons, Inc.
- Roy Chudley, Roger Greeno (2016), Construction Technology, 11th Edition Routledge.
- S.C.Rangwala (2013) Engineering materials (Fortieth edition), Charotar Publishing pvt.ltd.
- S.K. Duggal (2016) Building materials (4th edition) – New age international publishers.
- Willam Morgan (1977) The elements of structure: An introduction to the principles of building and structural engineering distributed by Sportshelf; 2nd edition.
- W.B. McKay (2015) Building construction Vol. 1 (5th edition), Vol. 2 (4th edition) and Vol. 3 (5th edition).
- National Building Code of India 2016 (Volume 1) and relevant I.S.I. Specifications.

Theory of Structures IV		
Course Code	2201920[P]	
Teaching Scheme	Examination Scheme	
Total Contact Hours per week (lectures=2 Studio=0, Total = 2)		
	In semester exam	30
	End Semester exam	70
	Total Marks	100
	Total Credits	02

COURSE OBJECTIVES:

1. To Understand Fixity and Continuity. To understand the action of Torsion
2. To Understand Loading on Buildings and Different Design Methodologies
3. To Understand Wood as a Material, as a Structural Material and to Design Wooden Beams
4. To Understand Concrete as a Material and To Design small spanned R.C.C Super Structures

COURSE OUTLINE:

Unit 1: Fixed and Continuous Beams:

1. Fixed Beam as a statically in-determinate structure. Concept of Negative Bending Moment at supports. Advantages and Disadvantages over Simple Supported Beams. Fixed End Reactions for u.d.l, central and eccentric point load (No derivations). Simple Numerical with full u.d.l and one central point load or one eccentric point Load
2. Theory only of Continuous Beams. Concept of continuity over supports and Typical B.M.D to explain the negative B.M.D over supports using I.S.456 coefficients for 3 or more, more or less equal spans. Enlist methods for computing B.M.D. Advantages and Disadvantages over Simple Supported Beams.
3. Theory only to Introduce Torsion and its applications.

Unit 2a: Loading on Buildings and Design Methodologies:

1. Theory only of Listing of all Loads acting on a Structure in single line Definitions. Study of Live Load (as per I.S.875 Part 2), Dead Load, Wind Load and Seismic Load and Snow Load in Detail
2. Theory only of Various Design Methodologies in Brief. Study of **Working Stress Method** in Detail. Understanding the application of Factors of Safety. Advantages and Dis-advantages of W.S.M compared to other methods.

Unit 2b: Wooden Structures:

1. Study of Wood as a Material and as a Structural Material, Its Advantages and Dis-advantages. Theory only of Form Factors
2. Numerical on Design of a Primary Wooden Flexural Member (Without Secondary Beams) either as a Simple Supported Beam or a Cantilever, with Simple Loading and depths limited to 300mm. Theory only Framing of Floors using Secondary and Primary Beams

Unit 3: Concrete Material and L.S.M:

1. Theory only of use of I.S.456. To Understand Concrete as a material, it's Grades, all the individual constituents, their sizing, proportioning, Production of Concrete. Testing of Concrete w.r.t. listing various tests and studying Slump and Compressive Strength Test in Detail. Form work and Stripping as per I.S.456
2. Theory only of Steel Used in R.C.C, Why steel only, its properties, forms and suitability in various R.C.C elements.
3. Theory only of Limit State Method – Philosophy, Various Limit States and their care in R.C.C. Span to Depth Ratios for Various R.C.C Elements. L.S.M Flexural Diagram for M25 grade and Fe500 steel. Derivations of Flexural Formula for Balanced Section. Annotations in a Standard R.C.C Flexural Section like Depth Overall, Depth Effective, Cover and its importance and values as per I.S.456

Unit 4: Design of R.C.C Slabs for Small Spans (L.S.M for Flexure only):

1. Concept of One Way – Two-Way Slab, Importance of Distribution Steel and I.S.Provisions.
2. Numerical on Design of One Way Slab and Design of Two Way Slab

3. Numerical on Design of Cantilever Slab resting on a Beam (Beam Torsion in theory only)
4. Numerical on Design of Small Slabs like Toilet Sunken Slabs with Inverted Beams, Passage Slabs, Chajjas with Minimum Depth, Minimum Area of Steel with minimum/ maximum standards of Spacing.

Unit 5: Design of Beams (L.S.M for Flexure and Shear):

1. Numerical on Design of Simple Supported R.C.C Beams including Transfer of Load from Slab to Beam for one way slab only,
2. Theory only for Detailing in for a Beam supporting a Cantilever Porch

Unit 6: Design of Short R.C.C. Columns (L.S.M for Compression):

1. Definition of Short R.C.C. Columns. Various I.S.Provisions for Compression Members.Numerical on Design of Short R.C.C. Columns including Transfer of Load from Beam to Column

Course Outcome:*At the end of semester student develops*

1. *The understanding of the concepts of Fixity, Continuity and Torque*
2. *The Skills to Design small spanned Wooden Beams*
3. *The Skills to Design Small Spanned R.C.C Structure w.r.t Slabs, Beams and Columns and use it for his B.C.M and W.D. subjects*

Reference Books

1. Design of R.C.C. Structures by H.J.Shah
2. Design of R.C.C. Structures by Punmia and A.K.Jain
3. Design of Reinforced Concrete Structures by N.Krishnaraju
4. R.C.C Theory and Design by Dr. V.L.Shah and Dr.S.R.Karve
5. Strength of Materials by A.P.Dongre
6. Design and Analysis of Steel Structures by V.N.Vazirani. M.M.Ratwani and Vineet Kumar (For Wooden Structures Unit 2b)

Computer Aided Drawing and Graphics			
Subject Code		2201921[SS]	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=3)	04	Sessional [CIA 25 + EA 25]	50
		In semester exam	
		End Semester exam	
		TotalMarks	50
		Total Credits	02

COURSE OBJECTIVES:

- To enable the students to communicate an architectural idea / proposal in a legible and effective manner through various architectural presentations and rendering techniques.
- To enable the students to generate simple architectural drawings using **Computer Aided Drawing**
- To enable the students to express their design ideas through various sketching techniques

COURSE OUTLINE:

Unit 1 Graphics:

- Introduction to various mediums for architectural presentations in various drawing formats (minimum two mediums)
- It is recommended to work on presentation drawings for any Architectural design project. A set of drawing shall include rendering of Plans, Elevations, Sections with internal and external perspective views.

Unit 2 Computer Aided Drawing:

- Introduction to basics of Computer Aided Drawing with basic commands for Drawing, sufficient to construct simple geometrical shapes and 3D objects.
- Advance commands in CAD such as Setting Drawing parameters, Layer controls, Hatching, Model and paper space settings etc.
- Drafting single building from Semester II Design on CAD.

SUBMISSION REQUIREMENT FOR SESSIONAL WORK:

Sessional work should be planned to cover all the units mentioned in course outline with thrust on skill development, accuracy and understanding of the topics.

Unit 1	Demonstration of presentation techniques in various drawing formats (minimum two mediums) to include external perspective and internal perspective of students' own architectural design.	2 assignments [hand drawn]
Unit 2	CAD drawings (Plan, Section/s Elevation/s) with layers, hatch and dimensions from Semester II Design project	2 assignments
	CAD Drawings of orthographic solid objects studied in Semester II	2 assignments

OUTCOME :

- Students should be able to comprehend and express nuances of graphic language through various presentation techniques and methods learnt.
- Students should be able to communicate various ideas through architectural graphic representations (drafting and sketching).

RECOMMENDED READING:

Burden, E. E. (1971). *Architectural delineation: a photographic approach to presentation*. McGraw-Hill Companies.

Holmes, J. M. (1954). *Applied perspective;: The theory and application of perspective for architects, painters, and draughtsmen*. s.l.:s.n

Capelle, F. W. (1969). *Professional perspective drawing for architects and engineers*. s.l.:s.n

Schaarwachter, G. (1967). *Perspective for the Architect*. Thames and Hudson.

Sha Publishing Co. Ltd.: Interior perspective in Architectural Design- Japan Graphics

Japan Publishing Co: Modern Architectural Rendering best 180

Japan Publishing Co: Perspective Drawings of Modern Architecture

Japan Publishing Co: Air brushing in rendering

Shankar Mulik: Perspective and Sciography

Course Code		2201922[SS]	
Teaching Scheme		Examination Scheme	
Total Contact Hours per week= (lectures=1, Studio=2, Total=3)		Sessional [CIA 25+EA 25] Viva	50 NIL
		In-semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	02

Course Objectives:

1. To understand the development of European architecture through the historical period till 17th century AD.
2. To understand the relationship of religion and society with architecture
3. To understand the drivers of change, revival, and evolution of architecture

Course Outline:

Unit 1: Greek architecture including Greek temples, domestic architecture, public architecture, city planning, and the Acropolis.

Unit 2: Roman architecture including domestic architecture, public architecture, architecture of the forums, urban planning, structural innovations, forms, materials and techniques of construction.

Unit 3: Early Christian architecture including adaptation of Roman models, early church prototypes, Byzantine architecture

Unit 4: Early medieval manors, monasteries, Romanesque churches

Unit 5: Gothic architecture and developments therein with reference to church plans, structural techniques, and ornamentation, Gothic churches and cathedrals

Unit 6: Renaissance and resultant architecture including works of Andrea Palladio, Michelangelo, Brunelleschi. Works of Sir Christopher Wren and Inigo Jones. Post-Renaissance and Baroque architecture

Sessional Work:

- Minimum 25 representative buildings of the periods under study should be represented in Plans, sections and views- of various buildings discussed in the above units.
- One measured drawing and digital documentation of any site/ building / or part/features of the building related to the course content studied.. This can be undertaken as group work with identifiable individual contribution.
- One tutorial.

Course Specific Outcomes:

1. An understanding of architecture as a product shaped by various factors like religion and society.
2. An understanding of the formal, structural, and stylistic aspects of architectural development.
3. An understanding of the factors that bring about the processes of change in architectural manifestations and its meanings.

Recommended Readings:

Anderson, Christy. Renaissance Architecture. Oxford University Press, 2013.

Ching, Francis D K, Mark Jarzombek, Vikramaditya Prakash. A Global History of Architecture. John Wiley and Sons, 2011.

Fletcher, Sir Banister and Dan Cruickshank. Sir Banister Fletcher's A History of Architecture On The Comparative Method. Architectural Press, 1996.

Frankl, Paul. Gothic Architecture. Yale University Press, 2001.

Lawrence, A W. Greek Architecture. Yale University Press, 1957.

Summerson, John. The Classical Language of Architecture. Thames and Hudson, 1980.

Ward-Perkins, J B. Roman Imperial Architecture. Yale University Press, 1992.

Building Services I		
Course Code	2201923 [P] & 2201924 [SS]	
Teaching Scheme	Examination Scheme	
Total Contact Hours per week (lectures=2 Studio=2, Total =4)	Sessional [CIA 25 + EA 25]	50
	In semester exam	30
	End Semester exam	70
	Total Marks	150
	Total Credits	03

COURSE OBJECTIVES:

To make students understand the Plumbing scope in the MEP services integration. To introduce students to following Plumbing Services in low, medium and high rise buildings and inculcate them the integration of services required in architectural design.

This term aims at following services:

- Systems for hot and cold water supply in a building premises
- Systems for Sewage, Sullage, Storm water & and its disposal within or from building premises.

COURSE OUTLINE:

Introduction to sourcing, storage, and distribution of hot and cold water in building premises including the study of all necessary components involved and their installation.

To introduce students to drainage systems viz. collection, conveyance & disposal of sewage, sullage and

Effluents from building premises, including methods, components and apparatus involved.

UNIT I Water supply - I

1.1 Principles and techniques of supplying water

- Treatment of water
- Concept of Pressure head
- Flow through pipes

1.2 Tapping of water mains on street by means of Ferrule

1.3 Requirement, Storage and distribution of water in building premises

- Sizing of Water tanks
- Static water storage requirements (Fire Tank)
- Collection and Storage systems
- Types of Pumps and applications
- Storage and Distribution in High rise buildings

1.4 Pipes and piping network

- Materials of Pipes
- Joinery
- Installation techniques

1.5 Various control valves and their applications

UNIT II Water supply - II

2.1 Types of Taps, Faucets, Fittings and advanced proprietary systems used in baths, kitchen and WC units.

2.2 Provisions, Installations and applications of above.

UNIT III Hot Water Supply.

3.1 Systems of hot water supply using conventional and non-conventional energy sources.

- Instantaneous and Centralized
- Direct system and In-Direct system
- Components and Equipment used for the same.

3.2 Piping Insulation, safety and special considerations in piping network.

3.3 Failures, precautions, and safety measures

3.4 Information on other Circulation systems i.e. ring system, up-feed/ down-feed systems, etc. and its application.

UNIT IV Drainage-I (Vertical Drainage systems)

4.1 Introduction to various sanitary fittings with necessary knowledge of provisions to be made and their Installations.

- Sanitary fittings like Wash basins, Sinks, Bathing units, Water Closets (Indian and European), Urinals
- Selection criteria and variations in Installing and provisions to be made for same
- Assembling, combining and coordinating them in washing, bathing and WC units

4.2 Study of various Traps, with their working and applications.

- All types of traps and their installation.

4.3 Pipes and piping network. Techniques of Vertical drainage system in shafts, ducts and external face of **low, medium and high rise buildings**.

- Study of service Shafts, Ducts, Floors
- Single and double stack systems with part and full ventilation.
- Pipe materials, their classification and methods of Installation
- Special fittings used for - Jointing and installations.
- Special fittings for High rise buildings (vent system, Expansion chambers, Pressure relief lines, Bypass Socket etc)
- Anti-Syphonic system of ventilation in drainage system

UNIT V Drainage-II (Horizontal Drainage system)

5.1 Techniques of underground drainage systems for waste water, effluents and sewage. Principle and concept of self-cleansing velocity in flow through pipes. Techniques in laying, leveling, planning, aligning, testing, inspection and maintenance

- Invert levels, Gradients, Access point planning
- Types of Chambers, Sumps, Channels, Shafts, service corridors, catch basins
- Ventilation of drainage system.
- Connection to Main Sewer Drain on Road side

5.2 Rainwater drainage system and surface runoff methods

- Storm water drainage systems.
- Invert levels, Gradients
- Sedimentation tanks and catch basins
- Rainwater harvesting methods

UNIT VI Sewage Treatment and Disposal

6.1 Disposal within the Premises.

- Septic tanks, its function, types and design (Sizing).
- Maintenance of Septic tank.

6.2 Waste Water and Sewage treatment plant (Large and Compact)

- Introduction to Waste water treatment plant
- Introduction to sewage treatment plant
- Decentralized waste water treatment

6.3 Bio-Gas plant and its functioning

SESSIONAL WORK

1. Illustrative Sketches of Installations of Bathroom accessories and Sanitary ware showing water inlet connection and Drain provisions
2. Preparing internal Water supply and Drainage layouts for Residential toilets, Kitchen and Public Toilets
3. Preparing external water supply and drainage layouts for individual Bungalow with septic tank
4. Preparing external water supply and drainage of a building site having more than one building on the site and connectivity to City Municipal Supply and Drain
 - The drawing assignments to be based upon the theory learnt and supported with necessary drawings and calculations (70% weightage).
 - Visits to construction sites and preparing site visit reports, market survey and finding out latest trends and new materials (30% weightage).

RECOMMENDED READING

- NBC 2016 Vol 2, Part 9, Sections (1, 2, 3)
- Handbook on Water supply and Drainage - BIS SP 35 1987
- Building Services Handbook - Fred Hall & Roger Greeno
- Sanitation, Drainage and Water Supply - Mitchell.
- IPC 2018 (International Plumbing Code)
- Plumbing – Design & Practise – S G Deolalikar
- Environment and Services - Peter Burberry.

Climatology		
Course Code	2201925 [SS]	
Teaching Scheme	Examination Scheme	
Total Contact Hours per week (lectures=1 Studio=2, Total = 3)	Sessional [CIA 25 + EA 25]	50
	In semester exam	
	End Semester exam	
	Total Marks	50
	Total Credits	02

COURSE OBJECTIVES:

To understand climate as a determinant of architectural design and to enable the students to evolve climate responsive design.

COURSE OUTLINE

Unit I:

1. Understanding the Earth-Sun relation and context of what shapes climate.
2. Elements of climate and understanding climate at different scales ie, global, regional, macro and micro.

Unit II:

1. Global Climate classification
2. Climatic zones of India and its classifications

Unit III:

1. Introduction to passive design strategies at various scales ie urban, building and building component scale.

Unit IV:

1. Introduction to concept of Thermal Comfort in buildings.

Unit V:

1. Introduction to various tools like sun path, bioclimatic chart, site analysis matrix etc that are used to study sun movement, wind and comfort in buildings.

SESSIONAL WORK

- Individual Assignment to apply the various tools like sun path and bioclimatic chart in building element design etc.
 - Group work to study contemporary and vernacular architectural case studies in India with climate responsive architecture and passive design strategies.
 - Minimum two tutorials on all the units.
-

DRAFT

Architectural Design III		
Course Code	2201926 [SV]	
Teaching Scheme	Examination Scheme	
Total Contact Hours per week (lectures=1 Studio=6, Total = 7)	Sessional [CIA 100 + EA 100] Viva [Int 25 + Ext 25]	200 50
	In semester exam	NIL
	End Semester exam	NIL
	Total Marks	250
	Total Credits	10

COURSE OBJECTIVE:

To understand Architectural Design as a process of generating design brief and taking design decisions based on the following aspects:

- **Socio-Cultural Aspects:** To introduce students to socio-cultural aspects like lifestyle, culture, traditions, and their effect on architectural design etc.
- **Aesthetics:** To understand the Aesthetic aspects of Design (visual and experiential) along with spatial attributes (scale and proportions, volume, texture, light and shadows, etc.) and formal characteristics. (profile, base, corner, termination).
- **Anthropometry & Function:** To address functional aspects of design (activity, use of space, adequacy and efficiency of space for a particular activity, essential adjacencies of spaces, ease and efficiency of circulation, light, ventilation, user-space relationship, vertical connections)
- **Climate:** To understand the Climatic aspects those have a bearing on architectural design and address climatic concerns like adequate light, ventilation, protection from rain, insulation, shading, heat gain, through passive strategies.
- **Building Material and Construction Technology:** To study relevance of various building materials to a project, to get introduced to various expressions of a building material, to introduce a student to the construction technologies relevant to the building materials chosen, to understand the scope and limitations of a building technique to achieve the desired form and space.
- **Building Services:** To understand the spatial and structural implications of basic services involved in building design.
- **Site :** To understand the site and its context, both immediate and wider, in order to enable students to take decisions of zoning, circulation within site, distribution of built and open spaces, activity relationships and adjacencies, and views.
- **Universal Design:** To understand the concept and principles of universal design.
- **Precedent Studies:** To introduce the students to learn from case, referral, live studies - process of observation, analysis, documentation and deriving inferences.

COURSE OUTLINE:

- **Project 1 (Major Project):** A design project that introduces the concept of site planning with multiple built spaces with an area 1000 sq.m. to 1500 sq.m.. This project should house a variety of core and allied activities requiring built, open, and transition spaces. The project should explicitly address at least four aspects of the design decision variables from those listed in course objectives.
- **Project 2 (Minor Project):** The students must undergo a Settlement study / study tour in a region with which is different in terms of socio geographic characteristics than the place where the institute is located. A short term project or eskee based in the settlement the students have studied.

SESSIONAL WORK:

- **Project 1 (Major Project):** The student must represent the identification of core design aspect, formulation of design approach and development, and the final design outcome through architectural drawings along with a narrative and representative details of construction. Along with the drawings, the student must develop the design through a series of models/ 3D visualizations made at various stages.
Design deliverables -
 - i. Portfolio A - Architectural drawings and model at an appropriate scale
 - ii. Portfolio B - Process drawings / tracings (Recommended)
 - iii. Study models of various stage (Recommended)
- **Project 2 (Minor Project):** The Study Tour documentation covering details from whole to part and must include narratives, sketches, scale drawings, photographs. It may additionally have information presented in any other formats in addition to the ones mentioned above. The short term project or eskeeto be presented in form of drawings to explain the scheme.

COURSE OUTCOME :

- At the end of the course the student is equipped to take design decisions by considering various aspects and methodically evolve a design where two or more buildings are to be planned on a site and communicate it in form of 2D and 3D representations.

REFERENCE BOOKS

2. Lynch, K., Lynch, K. R., & Hack, G. (1984). *Site planning*. MIT press.
3. Rybczynski W. (1984). *How the Other half builds, Volume 1 : Space*. Centre for Minimum Cost Housing. McGill University. Montreal Canada
4. Carlos Barquin (1986). *How the Other half builds, Volume 2 : Plots*. Centre for Minimum Cost Housing. McGill University. Montreal Canada
5. Vikram Bhatt. (1990). *How the Other half build, Volume 3 : Self selection Process*. Centre for Minimum Cost Housing. McGill University. Montreal Canada
6. Rapoport, A. (1969). *House form and Cultua*. Prentice-Hall of India Private Ltd.: New Delhi, India.
7. Correa, C. (2010). *A place in the shade: the new landscape & other essays*. Penguin Books India.

8. Dave, B., Thakkar, J., Shah, M., & Hāṇḍā, O. (2013). *Prathaa: Kath-khuni Architecture of Himachal Pradesh*. SID Research Cell, School of Interior Design, CEPT University.
9. Kanvinde, A., & Miller, H. J. (1969). *Campus design in India: experience of a developing nation*. Jostens/American Yearbook Company.
10. Adler, D. (2007). *Metric handbook*. Routledge
11. Neufert, E., & Neufert, P. (2012). *Architects' data*. John Wiley & Sons.
12. Gropius, W. (1956). *Scope of total architecture*. London: G. Allen & Unwin.
13. Giedion, S. (1967). *Space, time and architecture: the growth of a new tradition*. Harvard University Press.
14. Gibbered, Fredrick: Town Design.
15. David Gosling, Gordon Cullen – Visions of Urban Design.
16. Bawa, G., & Robson, D. (2002). *Geoffrey Bawa: the complete works*. Thames & Hudson..
17. Scheer, B. C. (2017). *The evolution of urban form: Typology for planners and architects*. Routledge.
18. It is strongly recommended that students are exposed on the books on works of Master architects

Building Construction and Materials IV		
Course Code	2201927 [P]& 2201928 [SV]	
Teaching Scheme	Examination Scheme	
Total Contact Hours per week (lectures=2 Studio=3, Total = 5)	Sessional [CIA 25 + EA 25]	50
	Viva [Int 25 + Ext 25]	50
	In semester exam	30
	End Semester exam	70
	Total Marks	200
	Total Credits	07

COURSE OBJECTIVES:

- To understand basic principles of RCC construction w.r.t. Cantilever slabs, Staircase.
- To introduce students to vertical transportation systems.

COURSE CONTENT:

UNIT I Cement Concrete types

- Types of special concretes, to include lightweight concrete, ready-mixed concrete, ferro-cement etc; study of its ingredients viz. along with storage of materials on site, understanding good quality material and field & lab tests involved.

UNIT II Damp- & Water-Proofing

- Causes of dampness and reasons for damp- & water-proofing, Different methods or treatments of damp- & water-proofing brick on edge, rough Shahabad stone, bitumen sheets,

plastic sheets, epoxy resins and metallic water proofing materials and other proprietary materials application of the above in construction for terraces, chhajja, toilet slabs etc.

UNIT III Reinforced Cement Concrete Construction

- R.C.C structural details for balcony slabs, canopies and Construction of various types of pre-cast and in-situ RCC stairs, along with earthquake resistant features, reference of a RCC drawing

UNIT IV Vertical Transportation: Lifts, Escalators & Conveyors

- Study of elevators, escalators, conveyors – types, size, capacity, speed and Mechanical safety methods, provisions in civil work for installation of elevators and escalators

UNIT V Sliding & Sliding folding doors, Bay window

- Study of Various types of sliding and folding doors and
- Construction of Bay Window

UNIT VI Glass, Plastics

- Glass as a building material, brief history of its use through examples. Manufacture, properties and uses of glass. Various types of glass and its application in building construction
- Plastic as a building material; its properties, types, uses and application of plastics in building industry.
- Different types of adhesives and sealants used in building construction

SUBMISSION REQUIREMENT FOR SESSIONAL WORK:

- Hand drafted drawings on Units 3 and 5 to cover all the aspects of course outline in sufficient detail;; Assignments on units 1, 2, 4 and 6 include sketches, notes, market survey and site visits.

OUTCOME:

- Students will develop an understanding about concrete and its variants and artificial materials such as glass and plastic and their application in construction. Students will be developing knowledge about the vertical transportation systems and their design and construction requirement.

RECOMMENDED READINGS:

- Dr. B.C Punmia (2012) Building construction (10th edition) Laxmi Publications.
- Harold B.Olin, John L. Schmidt (1994) Construction principles, Materials and Methods, John Wiley & Sons, Inc.
- Roy Chudley, Roger Greeno (2016), Construction Technology, 11th Edition Routledge.
- S.C.Rangwala (2013) Engineering materials (Fortieth edition),Charotar Publishing pvt.ltd.
- S.K. Duggal (2016) Building materials (4th edition) – New age international publishers.

- Willam Morgan (1977) The elements of structure: An introduction to the principles of building and structural engineering Distributed by Sportshelf; 2nd edition.
- W.B. McKay (2015) Building construction Vol. 1 (5th edition), Vol. 2 (4th edition) and Vol. 3 (5th edition).
- Central Public works Department CPWD), IBC, CEAI & CCPS. Guidelines on use of Glass in Buildings - Human Safety.
- National Building Code of India 2016 (Volume 1) and relevant I.S.I. Specifications.

Theory of Structures IV		
Course Code	2201929 [P]	
Teaching Scheme	Examination Scheme	
Total Contact Hours per week (lectures=2 Studio=0, Total = 2)		
	In semester exam	30
	End Semester exam	70
	Total Marks	100
	Total Credits	02

COURSE OBJECTIVES:

1. To continue the study of Design of Various Elements of a R.C.C Super Structure.
2. To Study Steel as a Material and get Introduced to various Steel Sections and their appropriate Use
3. To Design Girders and Stanchions in L.S.M as per I.S.800-2007

Unit 1: Design of R.C.C Slabs Continued:

1. Theory only of Different ways of supporting a Balcony
2. Numerical of Design of a Cantilever Slab as an Overhanging Slab

Unit 2: R.C.C Beams Continued:

1. Numerical of Design of Cantilever Beams to support Balcony Slabs
2. Concept of Under Reinforced, Balanced and Over Reinforced Sections. Numerical on Analysis of a Given Beam with Strain Diagrams
3. Audit of a Load Bearing Structure for various Structural and Non-Structural Elements

Unit 3: Design of R.C.C Slabs Continued:

1. Numerical of Design of Dog Legged Staircase with Beams at Various Positions:
2. Theory only on Support Systems and Reinforcement Detailing in the following Cases
 - Stringer Beams - End Stringer Beams with S.S Slabs Treads.
 - Stringer Beams - Central Stringer Beams with cantilever Slab Treads.
 - Folded Plate Staircases.

- Open Well Staircases.
- Dog-legged Staircase with Various Beam Positions.
- Numerical of Design of One Way Continuous Slabs - 3 equal spans using I.S.456 Coefficients.

Unit 4: Introduction to Steel Structures:

1. Theory only of Elements of Steel Structures - Steel Framed Multiple Floors and Buildings with Trusses.
2. Standard Lay Out of Factory or Trussed Buildings in Plan and Section. Plan to include Store Areas, Loading Platforms. Section to Include Cladding.
3. Study of Steel as a Material and Use E250 Steel as Structural Steel. Reading of Steel Tables. Different Structural Steel Sections. Identifying the Sections to be used for Girders, Stanchions, Compound Stanchions, and Struts etc.

Unit 5: Design of Steel Structures:

1. Theory only L.S.M or Plastic Design in steel - Various Limit States, Prevention of Dis-Proportionate Collapse, Development of Plastic Hinges, Plastic Moment, Section Modulus Plastic, Plastic Neutral Axis and Shape Factor, Various Partial Factors of Safety, All as per I.S.800 2007
2. Numerical of Design of Small Span Girders for Lofts and Balconies and Large Spans for creating Floors in Industrial Buildings, including Classification of Sections into Plastic, Compact and Semi Compact.
3. Numerical of Design of Stanchions. Theory only of connections to Girders to Stanchions and Stanchions to Base Pads.

Course Outcome:*At the end of course student develops*

1. *The understanding of supporting Balconies and Staircases*
2. *The Understanding of Dividing Larger Rooms in Smaller One Way or Two Way Slab Units*
3. *The Understanding of Steel as a Material and Various Steel Sections and their use.*
4. *The understanding of using Steel Girders and Stanchions*

Reference Books

1. Design of R.C.C. Structures by H.J.Shah
2. Design of R.C.C. Structures by Punmia and A.K.Jain
3. Design of Reinforced Concrete Structures by N.Krishnaraju
4. R.C.C Theory and Design by Dr. V.L.Shah and Dr.S.R.Karve
5. L.S.Design of Steel Structures by S.K.Duggal
6. Design of Steel Structures By Limit State Method as per I.S.800- 2007 By S.S.Bhavikatti

Environmental Science		
Course Code	2201930 [SS]	
Teaching Scheme	Examination Scheme	
Total Contact Hours per week (lectures=1 Studio=2, Total = 3)	Sessional [CIA 25 + EA 25]	50
	In semester exam	-
	End Semester exam	-
	Total Marks	50
	Total Credits	02

COURSE OBJECTIVES:

Basic introduction to Multidisciplinary nature of environmental studies with focus on

- Natural Resources
- Eco Systems
- Biodiversity and its conservation
- Environmental Pollution
- Environment Legislation and Social aspects of environment
- Environment friendly buildings

COURSE CONTENT:

Unit I –Natural Resources-Land, water, forest, energy and food

Unit II -Concept of Eco Systems with structure and functions

- Biochemical cycles
- Different ecosystems such as forest ecosystem, grassland ecosystem, desert ecosystem, aquatic ecosystems (ponds, lakes, streams, rivers, estuaries, oceans)

Unit III -Biodiversity

- Value of biodiversity: consumptive, productive use, social, ethical and aesthetic
- Treats to biodiversity and conservation of biodiversity(in-situ and ex-situ)

Unit IV - Environmental Pollution

- Causes, effects and control measures of air pollution, water pollution, soil pollution, marine pollution noise pollution, thermal pollution and nuclear hazards

Unit IV –Environment Legislation and Social aspects of environment

- Basic Introduction to Environment Protection Act, Air (Prevention and Control of Pollution) Act, Water (Prevention and Control of Pollution) Act, Wildlife Protection Act and Forest Conservation Act
- Environment and human health, human rights and value education for environmental awareness
- Basic introduction to Environment clearance for construction projects
- Brief introduction to the concept of “green buildings” and green building rating systems.

SUBMISSION REQUIREMENT FOR SESSIONAL WORK:

- Journal on each unit with basic concept, definitions and case studies
- Seminar/essay on any one current environmental issue and its interconnectedness with architecture/development

OUTCOME:

Students should be able to grasp the interdisciplinary nature of environment science and its interdependence on development and society. They should be able to think holistically about environment when taking architectural design decisions

RECOMMENDED READINGS:

1. Textbook for Environmental Studies for undergraduate courses of all branches of higher education, ErachBharucha for University Grants Commission
2. Objective Environmental Science, B.B.Singh
3. Fundamentals of Environmental Studies ,MahuaBasu and S.Xavier
4. Environment and Development,1st Edition, Basic Principles, Human Activities, and Environmental Implications, Editors: Stavros PouloupoulosVassilisInglezakis

HISTORY OF ARCHITECTURE AND CULTURE IV			
Course Code		2201931 [SS]	
TeachingScheme		ExaminationScheme	
TotalContact Hours per week= (lectures=1, Studio=2, Total=3)		Sessional [CIA 25+EA 25] Viva	50NIL
		In-semester exam	NIL
		End Semester exam	NIL
		TotalMarks	50
		Total Credits	02

Course Objectives:

1. To introduce students to the developments in architecture of the post-medieval Western World as a result of the cultural, political, and economic contexts.

2. To study the development of architecture with specific reference to form, technology, and ornament.
3. To understand contemporary architecture of the world with respect to historical precedents.

Course Outline:

- Unit 1: Industrial revolution and the resulting architecture of eighteenth, and nineteenth century in Europe.
- Unit 2: Revival architecture in Europe and America
- Unit 3: Colonial Architecture in India
- Unit 4: Early Modern movements
- Unit 5: Modernism, International style, and influence of Bauhaus
- Unit 6: Post-independence Architecture in India till 1990.
- Unit 7: Post liberalization Architecture in India.

Sessional Work:

- .Minimum 25 representative buildings of the periods under study should be represented in Plans, sections and views- of various buildings discussed in the above units.
- One measured drawing and digital documentation of any site/ building/ part or features of a building related to the course content studied.. This can be undertaken as group work with identifiable individual contribution.
- One tutorial.

Course Specific Outcomes:

1. An understanding of architecture as a product shaped by various factors like technological developments, colonization, globalization, economy, and urbanization.
2. An understanding of the formal, structural, and stylistic aspects of architectural development.
3. An understanding of contemporary architecture of the world with reference to historical precedents and responses to the same.
4. An understanding of the architecture of colonial and post-independence India.

Recommended Readings:

- Bhatt, Vikram and Peter Scriver. Contemporary Indian Architecture After the Masters. Mapin Publishing Pvt Ltd, 1990.
- Correa, Charles and Kenneth Frampton. The Work of Charles Correa. Thames and Hudson, 1996.
- Curtis, William J R. Balkrishna Doshi- An Architecture for India. Rizzoli, 1988.
- Curtis, William J R. Modern Architecture Since 1900. Phaidon, 2007.
- Dingle, Narendra. Dialogues with Indian Master Architects. Marg Foundation, 2015.
- Dhongde, Sharvey and Chetan Sahasrabudhe (eds). Achyut Kanvinde. BNCA Publication Cell, 2009.
- Droste, M and Bauhaus Archiv. Bauhaus 1919-1933. Taschen, 1993.
- Eastlake, Charles Locke. A History of the Gothic Revival. Cambridge University Press, 2012.
- Fletcher, Sir Banister and Dan Cruickshank. Sir Banister Fletcher's A History of Architecture On The Comparative Method. Architectural Press, 1996.

- Hitchcock, Henry Russell and Philip Johnson. The International Style. W W Norton, 1997.
- Kagal, Carmen (ed). Vistara- The Architecture of India. The Festival of India, 1986.
- Lang, Jon. A Consise History of Modern Architecture in India. Permanent Black, 2002.
- The Masters of World Architecture (Series).
- Twombly, Robert (ed). Louis Kahn- Essential Texts. W W Norton, 2003.
- Various monographs on the works of twentieth century Architects.

Building Services II		
Course Code	2201932 [P] & 2201933 [SS]	
TeachingScheme	ExaminationScheme	
TotalContact Hoursperweek (lectures=2 Studio=2, Total =4)	Sessional [CIA 25 + EA 25]	50
	In semester exam	30
	End Semester exam	70
	TotalMarks	150
	Total Credits	03

COURSE OBJECTIVES:

To introduce students to Building Services in low, medium and high rise buildings and inculcate in them the understanding of integration of services in architectural design. The Building Services will include

- Solid Waste Management
- Lighting –Natural and Artificial
- Electrification

COURSE CONTENT:

Unit I –Solid Waste Management- This unit covers the collection, treatmentand disposal of organic and in-organic waste

- Collection- Garbage chutes and space requirement for manual mechanism
- Treatment and Disposal -Introduction to vermicomposting, organic waste composters, incinerators etc. and space requirements on site and in building

Unit II -Lighting-Natural- Introduction to integrated design approach for daylighting to cover

- Passive design strategies of siting, form, fenestration design,
- Choice of glazing material
- Methods for predicting daylight i.e. daylight factor.
- New technologies to access (light pipes) and control daylight (Lighting Controls)

Unit III -Lighting-Artificial

- Introduction to different sources of light, their characteristics (CRI, Color temperature and lamp life, energy consumption) lighting systems (Direct & Indirect) and their applications in building projects
- Lumen Method for designing appropriate lighting as per NBC 2016

Unit IV - Electrification

- Electrical installations in a building from the supply company mains to individual outlet points including meter board, distribution board, layout of points with load calculations.
- Electrical wiring systems for small and large installations including different materials involved
- Electrical control and safety devices – switches, fuse, circuit breakers, earthing, lightning conductors etc.
- Introduction to alternative sources of energy such as Solar PV, Wind turbines etc. and integration in building design

Unit V-Low Voltage network systems-Introduction to Low Voltage electrical systems and its integration in BMS –

- Wi-Fi and LAN network EPABX & Telecommunication system
- CCTV (Closed circuit TV and camera system)
- FA PA (Fire Alarm and Public address system)
- Access systems (Access control, Tracking, planning and provisions made)

SUBMISSION REQUIREMENT FOR SESSIONAL WORK:

- Preparing electrical layout and lighting plan of a building interior supported with necessary calculations (70% weightage).
- Visits to construction sites and preparing site visit reports, market survey and finding out latest trends and new materials for all the units.(30% weightage).

OUTCOME:

Students should be able to understand basic principles of daylight and artificial lighting and should be able to design a lighting plan for a space. They should be able to calculate the energy requirement of building electrical systems. Students should be able to identify space requirements and integration of these systems in architectural design.

RECOMMENDED READINGS:

- National Building Code of India 2016-Volume 2 , Bureau of Indian Standards
- Building Services and Equipments by Ashok L. Chhatre
- Building Services, By Mrs. Shubhangi Bhide
- Building Construction Illustrated by Frances D K Ching

- Basics Lighting Design Ed. by Bielefeld, Bert
- Daylight in Architecture-Benjamin Evans
- Lighting in Buildings-HapkinsenH.D.Kajr
- Lighting in Architectural Design -Derek Philip

SITE SURVEY AND ANALYSIS			
Course Code		2201934 [SS]	
TeachingScheme		ExaminationScheme	
TotalContact Periodsperweek (lectures=1, Studio=3, total=4)		Sessional [CIA 25 + EA 25]	50
			nil
		In-semester exam	nil
		End Semester exam	nil
		TotalMarks	50
		Total Credits	2

COURSE OBJECTIVES:

- To introduce students to the various factors related to Site Survey and Analysis relevant to Architectural Site Planning
- To enable the students to get conversant with locating the object positions in horizontal and vertical plane
- To prepare and interpret survey drawings.
- To develop understanding of contours and grading for Site development
- To analyze physical, socio-cultural and contextual parameters of the site enabling Site planning

COURSE OUTLINE:

- **Unit 1. Linear Measurements** Measurements in horizontal plane, survey stations, survey lines open and closed traverse, locating objects by chaining and offsetting, direct and indirect ranging, locating field boundaries and working out area of field, measuring distances with chain, tapes, ODM's ,EDM's, introduction to Total Station, survey accessories, measurements along sloping ground. Chain Surveying: Base line, tie lines, check lines, Understanding of land demarcation drawings.
- **Unit 2. Directional and Angular Measurements** Magnetic and true meridian, Magnetic and true bearings, use of bearings, use of prismatic compass, calculation of included angles, Fore and back Bearings, declination plotting and adjustment of closed traverse, Uses of Transit Theodolite. Measuring horizontal and vertical angles, calculation height of buildings, use of Theodolite as tachometer, tacheometric tables

- **Unit 3. Levelling** Dumpy level, auto and tilting level, principle lines of levelling instrument, axis of telescope, axis of bubble tube, line of collimation, vertical axis recording by collimation plane, method and rise-fall method, B.S./I.S./F.S, change point, level surface, horizontal surface, datum, Reduced Level/ elevation of a point, Bench Marks, GTS, PBM/ABM/TBM. Temporary Adjustments.
- **Unit 4. Plane Table Surveys** Accessories used in plane tabling, methods of locating objects, methods of table orientation, Advantages and disadvantages. Use of Planimeter: Area of zero circle, calculating area of irregular shape figures.
- **Unit 5. Contours** Plotting the contours and profiles, interpolation of contours, contour interval, Characteristics of contours, Profile levelling: Understanding gradient, cut and fill for desired ground level, direct and indirect methods of contouring, block contour surveys
- **Unit 6. Site Analysis and Synthesis** Understanding of Natural and Manmade aspects (such as microclimate, topography, hydrology and vegetation), physical and socio-cultural context of the site. Site Analysis of the above parameters, Site Synthesis and Site Suitability

SESSIONAL WORK:

- 1) Calculation of area of field (Chain and cross staff survey)
- 2) Compass Survey.
- 3) Plane Table Survey.
- 4) Block Contour Survey.
- 6) Slope Analysis and Profile Levelling.
- 7) Site Analysis and Synthesis (Associated with Design Project)

COURSE OUTCOME

- At the end of the course students would be able to comprehend the site characteristics, reading and interpreting survey drawings, understanding equipment and methods of surveying leveling.

REFERENCE BOOKS:

- 1) Basak, N.N, *Surveying and Levelling*, McGraw Hill Education (India) New Delhi, 1994
- 2) Kanetkar, T.P, Kulkarni, S.V, *Surveying and Levelling*, Pune Vidyarthi Griha Prakashan, 2014
- 3) Lynch, K, *Site Planning*, Cambridge: The MIT Press, 1962

Architectural Design IV		
Course Code	3201935 [SV]	
Teaching Scheme	Examination Scheme	
Total Contact Hours per week (lectures=1 Studio=6, Total = 7)	Sessional [CIA 100 + EA 100] Viva [Int 25 + Ext 25]	200 50
	In semester exam	NIL
	End Semester exam	NIL
	Total Marks	250
	Total Credits	10

COURSE OBJECTIVE:

To understand Architectural Design as a process of generating design brief and taking design decisions based on the following aspects:

- **Socio-Cultural Aspects:** To introduce students to socio-cultural aspects like lifestyle, culture, traditions, and their effect on architectural design etc.
- **Aesthetics:** To understand the Aesthetic aspects of Design (visual and experiential) along with spatial attributes (scale and proportions, volume, texture, light and shadows, etc.) and formal characteristics. (profile, base, corner, termination).
- **Anthropometry & Function:** To address functional aspects of design (activity, use of space, adequacy and efficiency of space for a particular activity, essential adjacencies of spaces, ease and efficiency of circulation, light, ventilation, user-space relationship, vertical connections)
- **Climate:** To understand the Climatic aspects those have a bearing on architectural design and address climatic concerns like adequate light, ventilation, protection from rain, insulation, shading, heat gain, through passive strategies.
- **Building Material and Construction Technology:** To study relevance of various building materials to a project, to get introduced to various expressions of a building material, to introduce a student to the construction technologies relevant to the building materials chosen, to understand the scope and limitations of a building technique to achieve the desired form and space.
- **Building Services:** To understand the spatial and structural implications of basic services involved in building design.
- **Site :** To understand the site and its context, both immediate and wider, in order to enable students to take decisions of zoning, circulation within site, distribution of built and open spaces, activity relationships and adjacencies, and views.
- **Universal Design:** To understand the concept and principles of universal design.
- **Precedent Studies:** To introduce the students to learn from case, referral, live studies - process of observation, analysis, documentation and deriving inferences.

COURSE OUTLINE:

1. Designing of progressively complex spaces and buildings in terms of area, a specific community, typology, function etc, with emphasis on either scale or complexity of the project, or both.
2. Project could be evolved based on the current needs of the city and / or context responding to aspects like heritage and conservation, landscape and ecology, image and identity, etc.
3. Development of building design program from not only client or user's requirements but also in response to context specific factors like socio-economic, socio-cultural, environmental etc.
4. Introduction to develop a design philosophy/narrative as a thought process in design.
5. Analysing activities around the buildings within a campus and understand the same in context to relation of built form and open spaces, elements of landscape, pedestrian and vehicular movement, their segregation, managing sloping sites, contours, etc.
6. Introduction to Campus design with reference to design of campuses developed in the past.
7. In case of multiple buildings (existing and/or proposed) to be accommodated within a campus, analyse and understand their relationship with each other in context to establish continuity of form, construction, materials, design theme, climate, etc. and the same should reflect in the drawings and models.
8. Integrating functions, structure and services in a building with relevant structural system and its resultant effect on visual form / character of building
9. To understand various issues and aspects of sustainability, earthquake resistance, construction, universal accessibility, etc. and study how these could be integrated in the architectural design process.
To study a location in urban context preferably in a different socio-geographic setting other than the Institute (not mandatory), and document the study done in the tour in the form of a report with emphasis on relevant aspects like climate, social structure, culture, architectural typology, construction technology, urban fabric, economy, etc or any other issues which need to be considered for envisaging a design project in totality.

SESSIONAL WORK

Assessment Criteria: Major project should have 80% weightage and 20% weightage should be given to the minor project.

A] Major project:

Project based on Campus Design with emphasis on site planning & relationship of built and open spaces, circulation and movement pattern, activity pattern, architectural character, image, identity, philosophy etc.

Deliverables:

- i. Portfolio A - Architectural drawings at an appropriate scale preferably 1:200/1:100. And model to appropriate scale.
- ii. Portfolio B - Process drawings / tracings (Recommended)
- iii. Study models of various stage (Recommended)

B] Minor project:-

A Time Bound Project of 12 hours as a means to gauge students' ability to apply the learning of the design studio and in the process acclimatizing them to work under time constraint and meet deadlines. This project of 12 hrs may be based on the parameters of the Design VI paper such as :

1. The suggested nature of project can be in the form of a social amenity in an urban context. However individual colleges do have freedom to choose a topic.
2. Size of the site given for the design should be such that it fits imperial size sheet.
3. Preferred scale of the drawing would be 1:200.

Deliverables: Architectural drawings in appropriate scale preferably 1:200/1:100. (Model optional).

COURSE OUTCOME:

1] Build competency and ability to make communicative architectural drawings that are of readable scales, preferably in:

1:200 (Site level drawings & Model)

1:100 (Cluster level drawings)

Appropriate details to be explored at 1:50/20/10 etc.

2] Be able to negotiate various scales in drawings and models.

3] Be equipped to resolve structural systems of various construction techniques and services.

4]

REFERENCE BOOKS

1. Lynch, K., Lynch, K. R., & Hack, G. (1984). *Site planning*. MIT press.
2. Rybczynski W. (1984). *How the Other half builds, Volume 1 : Space*. Centre for Minimum Cost Housing. McGill University. Montreal Canada
3. Carlos Barquin (1986). *How the Other half builds, Volume 2 : Plots*. Centre for Minimum Cost Housing. McGill University. Montreal Canada
4. Vikram Bhatt. (1990). *How the Other half build, Volume 3 : Self selection Process*. Centre for Minimum Cost Housing. McGill University. Montreal Canada
5. Rapoport, A. (1969). *House form and Cultua*. Prentice-Hall of India Private Ltd.: New Delhi, India.
6. Correa, C. (2010). *A place in the shade: the new landscape & other essays*. Penguin Books India.
7. Dave, B., Thakkar, J., Shah, M., & Hāṇḍā, O. (2013). *Prathaa: Kath-khuni Architecture of Himachal Pradesh*. SID Research Cell, School of Interior Design, CEPT University.
8. Kanvinde, A., & Miller, H. J. (1969). *Campus design in India: experience of a developing nation*. Jostens/American Yearbook Company.
9. Adler, D. (2007). *Metric handbook*. Routledge
10. Neufert, E., & Neufert, P. (2012). *Architects' data*. John Wiley & Sons.
11. Gropius, W. (1956). *Scope of total architecture*. London: G. Allen & Unwin.
12. Giedion, S. (1967). *Space, time and architecture: the growth of a new tradition*. Harvard University Press.
13. Gibbered, Fredrick: Town Design.
14. David Gosling, Gordon Cullen – Visions of Urban Design.
15. Bawa, G., & Robson, D. (2002). *Geoffrey Bawa: the complete works*. Thames & Hudson..
16. Scheer, B. C. (2017). *The evolution of urban form: Typology for planners and architects*. Routledge.
17. It is strongly recommended that students are exposed on the books on works of Master architects

Building Construction and Materials V		
Course Code	3201936[P]&3201937 [SV]	
TeachingScheme	ExaminationScheme	
TotalContact Hoursperweek (lectures=2 Studio=3, Total = 5)	Sessional [CIA 25 + EA 25] Viva [Int 25 + Ext 25]	50 50
	In semester exam	30
	End Semester exam	70
	TotalMarks	200
	Total Credits	06

COURSE OBJECTIVES:

- To understand the variations in frame structure with options of different types of slab like flat slab, ribbed and waffle slabs etc. along with pre-stressed RCC technology.
- To understand the construction of single basement along with its waterproofing, provision for access and ventilation details. To understand the construction of different types of retaining walls and the detailing of the same
- To introduce materials and technology of assembling interior elements like partitions, suspended ceiling, furniture units etc.

COURSE CONTENT:

UNIT I Materials for Interior Essentials

Characteristics, Properties and types of following materials and their application for interior essentials.

- Wood, wood derivatives and other panel materials used for interior application.
- Finishing materials like laminates, veneers, plastics and metal sheets.
- Paints and varnishes
- Hardware required for application to interior and furniture elements

UNIT II Foundations, Retaining Wall& single basement construction

- Concept of shallow and deep foundations with respect to basement construction, high rise buildings and different soil conditions
- Study of Single basement construction along with waterproofing details, also study of cast-in-situ and precast Retaining wall and its terminology, proportionsand construction details.

UNIT III Reinforced Cement Concrete construction

- Reinforced cement concrete floor construction systems like flat plate, flat slab, ribbed slab, waffle slab, band beam and slab, pre-stressed slabs along with earthquake resistant features, reference of a RCC drawing

UNIT IV Partitions and Paneling

- Study of demountable partition construction using proprietary and non-proprietary systems using non-timber materials
- Proprietary and non-proprietary systems of paneling in various materials

UNIT V Suspended Ceiling

- Study of Suspended ceiling construction using proprietary and non-proprietary systems using various materials

UNIT VI Furniture Design and assembly

- Study of furniture for residential, commercial, office buildings and assembly details using timber and other material along with finishing and upholstery.

SUBMISSION REQUIREMENT FOR SESSIONAL WORK: Hand drafted drawings on Units 4, 5 and 6 to cover all the aspects of course outline in sufficient detail;; Assignments on units 1, 2, and 3 including sketches, notes, market survey.

OUTCOME: Students will understand of the principle, methods, advantages and disadvantages of concrete floor construction systems and single basement construction. Students will get to know the proprietary construction techniques for partition ceilings with latest available materials.

RECOMMENDED READINGS:

- Dr. B.C Punmia (2012) *Building Construction* (10th edition) Laxmi Publications.
- Harold B.Olin, John L. Schmidt (1994) *Construction principles, Materials and Methods*, John Wiley & Sons, Inc.
- Narayanamurty, D.; Mohan, D (1972) *The use of Bamboo and reeds in building construction*, UNO Publications
- Roy Chudley, Roger Greeno (2016), *Construction Technology*, 11th Edition Routledge.
- S.C.Rangwala (2013) *Engineering materials* (Fortieth edition), Charotar Publishing pvt.ltd.
- S.K. Duggal (2016) *Building materials* (4th edition) – New age international publishers.
- Willam Morgan (1977) *The elements of structure: An introduction to the principles of building and structural engineering* Distributed by Sportshelf; 2nd edition
- W.B. McKay (2015) *Building construction Vol. 1* (5th edition), Vol. 2 (4th edition) and Vol. 3 (5th edition).
- National Building Code of India 2016 (Volume 1) and relevant I.S.I. Specifications.

Theory of Structures V		
Course Code	3201938 [P]	
TeachingScheme	ExaminationScheme	
TotalContact Hoursperweek (lectures=2 Studio=0, Total = 2)		
	In semester exam	30
	End Semester exam	70
	TotalMarks	100
	Total Credits	02

COURSE OBJECTIVES:

- *To Understand Doubly Reinforced Beams, T and L Beams and to adopt span to depth ratios for them*
- *To Understand Design of columns across multiple floors changing grade and percentage of steel and grade of concrete*
- *To understand how to increase M.R of girders and Load carrying capacity of Stanchions. To study alternative methods of spanning vis-à-vis Portal Frames*
- *To introduce lateral pressure and understand the proportioning and stability of a gravity retaining wall*

COURSE OUTLINE:

Unit 1:Design of Beams Continued:

- **Doubly Reinforced Beams:**Concept, Need, Applications. **Numerical** on Design of Doubly Reinforced Beams including calculation of Load and Shear Design
- **T Beams and L Beams:** Theory ofDividing a Large Hall Slab into Smaller one way or Two Way Slab units by using T Beams and L Beams. Concept, Applications and Advantages and Disadvantages. **Numerical** on Design of T Beams and L Beams including calculation of Load and Shear Design.
- Theory only on Design of **Coffered Slab** and **Flat Slab Construction**. Concept of Large Beam less Spaces, Column Capitals, Header Beams. I.S.456 Provisions for Various R.C.C Elements

Unit 2: Design of Columns Continued: Reasons for eccentricity of Load on a Column and I.S.Provisionfor eccentricity. **Numerical** on Calculation of load from floor to floor (From Slab to Beam to Column, Also load calculations from a given floor plate to be divided equally over columns). **Numerical** on Design of columns changing concrete grade and / or steel percentage and / or size of column.

Unit 3: Foundations:Theory of Shallow and Deep Foundations. Theory of foundations in Soil of Low S.B.C. Study of Isolated Footing, Combined Footing, Strip Foundations, Raft Foundations, Piles and Pile Caps. **Numerical** on Design of Isolated Footing including Single Shear and Double Shear, **Numerical** on design of combined footing in Plan Only.

Unit 4: Design of Girders and Stanchions Continued:

- Theory of Girders with flange plates to increase M.R of Section. **Numerical** on Design and Analysis of Steel Girders with flange plates.
- Extending the above Theory to Study Castellated Beams and Plate Girders. Theory only of Gantry Girders, Functions and Loads acting on each element of a Gantry Girder
- Theory of Stanchions with Flange Plates to increase Load Carrying Capacity. **Numerical** on Design and Analysis of Stanchions with Flange Plates, Finding thickness and size of Connecting Plate to Pad Foundation and Design of Pad.
- Theory only of Portal Frames, Basic Concept - Rigid, Two Hinged and Three Hinged Portal Frames with B.M.D. Advantages and Disadvantages of R.C.C Portal Frame - Detailing of Hinged and Pinned Column to Footing Junction. Advantages and Disadvantages of Steel Portal Frame - Detailing of Hinged and Pinned Column to Footing Junction, Rigidity at Beam to Column Junctions.

Unit 5: Retaining Walls:Retaining Walls - Need, Angle of Repose, Rankine's Theory, Different types of Retaining walls and their Applications, Study of Proportioning and Stability of Gravity Retaining Walls, Weep Holes and Effect of Surcharge. **Numerical** on Stability of Gravity Retaining Walls.

Unit 6: Advanced Structures: Pre-stressed Constructions: Concept and Process of Pre-tensioning and Post-Tensioning. Advantages and Disadvantages over Conventional R.C.C Construction. Use of High Strength Concrete and Steel in Pre-Stressed Elements. Methods of Pre-stressing - Freyssinet System. Numerical on Extreme Fibre Stresses at Mid Span and End Span.

Reference Books

1. Design of R.C.C. Structures by H.J.Shah
2. Design of R.C.C. Structures by Punmia and A.K.Jain
3. Design of Reinforced Concrete Structures by N.Krishnaraju
4. R.C.C Theory and Design by Dr. V.L.Shah and Dr.S.R.Karve

Course Outcome:*At the end of semester student develops*

- *The understanding of larger space spanning both in R.C.C and Steel*
- *The understanding of carrying of vertical loads by R.C.C. Columns and Stanchions*
- *The understanding Lateral pressure and structural principles for overcoming it.*

LANDSCAPE ARCHITECTURE		
Course Code	3201939 [SS]	
Teaching Scheme	Examination Scheme	
Total Contact Hours per week (lectures=1 Studio=3, Total =4)	Sessional [CIA 50 + EA 50]	100
	In semester exam	
	End Semester exam	
	Total Marks	100
	Total Credits	03

COURSE OBJECTIVES:

- To introduce the students to Landscape Architecture and its scope.
- To understand the elements and principles of landscape design and role of landscape elements in design of outdoor environments on the site.
- To understand the Intent and content of designed landscapes.
- To develop understanding of site analysis and site planning and integrated design of open and built spaces.
- Creating awareness about using Landscape design as a tool to address environmental concerns in Architecture.

COURSE OUTLINE:

- **Unit 1.** Introduction to Landscape Architecture and its scope ,elements(natural and manmade) and their application in achieving functional, aesthetic, environmental and cultural goals.
- **Unit 2.** Principles and approaches in Landscape Design. Illustrations can be from contemporary as well as historic landscapes for understanding various approaches of design.
- **Unit 3.** Study of Hard landscape (civil work) details with respect to materials and construction techniques..
- **Unit 4.** Study of Softscape (plant material), their characteristics and contribution in terms of creating and imparting character to outdoor spaces.
- **Unit 5** Introduction to basics of Site planning and process of site planning.

SESSIONAL WORK:

- Minimum two assignments to expose the students to landscape elements, their application, principles of design and approaches of design.
- Short duration projects such as eskees to allow students to explore the palette of landscape elements in open space creation and design. – Minimum 2.

- One long duration site planning and landscape design project preferably the third year architectural design project. The outcome shall be landscape design drawings, concept generation, site studies, analysis along with constructional details and planting concepts.

REFERENCE BOOKS

Mcharg, I, *Design with Nature*. John Wiley and co. 1978.

Jellicoe, G and Jellicoe, S, *The Landscape of Man*, London: Thames and Hudson, 1991.

Simonds, J. O, *Landscape Architecture: The Shaping of Man's Natural Environment*, N Y: McGraw Hill Book Co. Inc. 1961.

Lynch, K, *Site Planning*, Cambridge: The MIT Press, 1962.

Shaheer, M, Wahi Dua, G and Pal A (editors), *Landscape Architecture In India, A Reader*: LA, Journal of Landscape Architecture, 2013.

Lyall, S, *Designing The New Landscape*: UK: Thames and Hudson, 1998.

Dee, C, *Form And Fabric In Landscape Architecture: A Visual Introduction*, UK: Spon Press, 2001.

Eckbo, G, *Urban Landscape Design*, N Y: McGraw hill co. 1961.

Laurie, M, *An Introduction to Landscape Architecture*, N Y: American Elsevier Pub. Co. Inc. 1975

Rutledge, A J, *A Visual Approach to Park Design*. New York: John Wiley and Sons, 1985.

Randhawa, M S, *Flowering Trees*, New Delhi: National Book Trust, 1998.

Bose, T K and Choudhary, K, *Tropical Garden Plants in Colour*, Horticulture and Allied Publishers, 1991.

Krishen, P, *Trees of Delhi: A Field Guide*, Penguin India, 2006.

Mukherjee, P, *Trees of India (WWF Natures Guide)*, Oxford, 2008.

Sahni, K C, *The Book of Indian Trees (Bombay Natural History Society)*, Oxford, 1998.

Krishna, N and Amrithalingam, M, *Sacred Plants of India*, Penguin Books Limited, 2014.

Motloch, J. L, *Introduction to Landscape Design*, US: John Wiley and Sons, 2001.

Dines, N and Harris, C, *Timesavers Standards for Landscape Architecture*, McGraw Hill Education, 1998.

Reid, G, L, *Landscape Graphics*, Watson-Guptill, 2002.

Botkin, D. B and Keller, E. A, *Environmental Science: Earth As a Living Planet*, N Y: John Wiley And Co. 1995.

Grosholz, E, *The Poetics of Landscape Architecture*, University of Pennsylvania Press, 2010.

ELECTIVE I [CONTEMPORARY ARCHITECTURE]			
Course Code		3201940 [SS]	
Teaching Scheme		ExaminationScheme	
TotalContact Hours per week= (lectures=1, Studio=2, Total=3)		Sessional [CIA 50+EA 50]	100
		In-semester exam	NIL
		End Semester exam	NIL
		TotalMarks	50
		Total Credits	02

Course Objectives:

- To analyze the contemporary trends/approaches in architectural production in terms of design, practices, its perception, appreciation and critical discourses.
- To critically reflect and comment on contemporary architecture across the world.

Course Outline:

- Unit 1 - Post-Modernism and other movements in Architecture since the second half of 20th century.
- Unit 2 - Post 2000 CE trends in architecture, various critical discourses and current architectural issues
- Unit 3 - Analysis and critical appraisal of Architecture across the world

Sessional Work:

- Book review / article / chapter of a book in 1000 words.
- Unit 3 should be a research essay of about 1500-2000 words on a topic selected by the student and accompanied by an oral presentation of 15 minutes duration and discussion.

Students should be encouraged to follow the formalities of writing a research essay. The submission has to be in hand written format.

Students should be assessed primarily for the identification of issues, ability to take position and development of an argument.

Course Specific Outcomes:

1. Application of the knowledge gained through the study of history of architecture to analyse contemporary architecture.
2. Development of individual view point and construction of an argument to put it across.
3. Skill of orally presenting a topic of choice, and generating a discussion.

REFERENCE BOOKS

- Buchanan, Peter. "The Big Rethink". The Architectural Review (AR), (Articles – December 2011, January to May 2012, July – September 2012, November 2012)
- Correa, Charles. A Place in the Shade: The New Landscape and Other Essays. Penguin Books India, 2010.
- Curtis, William J R. Modern Architecture since 1900. Phaidon, 2007.
- Frampton, Kenneth. Modern Architecture. Thames and Hudson, 1992.
- Hays, K. Michael. Architecture Theory since 1968 (2000). MIT Press., Oct 1997, Feb. 2000.
- Hertzberger, Herman. Lessons for Students in Architecture. 010 Publishers, 1973.
- Jencks, Charles. The New Paradigm in Architecture- The Language of Post-Modern Architecture. Yale University Press, 2002.
- Leach, Neil. Anaesthetics of Architecture, MIT Press, 1999
- Mehrotra, Rahul. Architecture in India: Since 1990. Pictor Publishing, 2007.
- Pallasma, Juhani. The Eyes of the Skin: Architecture and the Senses. Academy Press, 2 edition, 2005
- Smith, Koryden H. Introducing Architectural Theory. Routledge, 2012
- Unwin, Simon. Analysing Architecture. Routledge, 2002.
- Venturi, Robert. Complexity and Contradiction in Architecture. MOMA, 1966.
- Wigley, Mark. The Architecture of Deconstruction- Derrida's Haunt. MIT Press, 1993.

Building Services III	
Course Code	3201941 [P] & 3201942 [SS]

TeachingScheme	ExaminationScheme	
TotalContact Hoursperweek (lectures=2 Studio=1, Total =3)	Sessional [CIA 25 + EA 25]	50
	In semester exam	30
	End Semester exam	70
	TotalMarks	150
	Total Credits	03

COURSE OBJECTIVES

- To comprehend building services as an integral part of architectural design process
- To obtain knowledge of technical and design aspects of natural ventilation, heating, cooling and HVAC

COURSE OUTLINE

- Principles of working of natural ventilation, heating, cooling and HVAC systems, components, materials and provisions in architectural design
- Functional and aesthetical aspects of building services coordination in architectural design

TEACHING PLAN

Unit I: Natural ventilation

- 1.1 Conditions of human thermal comfort
- 1.2 Factors affecting natural ventilation
- 1.3 Strategies to effect natural ventilation

Unit II: Mechanical ventilation

- 2.1 Systems of mechanical ventilation
- 2.2 Components of mechanical ventilation systems
- 2.3 Mechanical ventilation - Schematic design
- 2.4 Introduction to Psychometric charts

Unit III: Heating and cooling

- 3.1 Passive heating and cooling techniques
- 3.2 Low energy mechanical cooling techniques

Unit IV: Air-conditioning - 1

- 4.1 Principles of air-conditioning systems
- 4.2 Components of air-conditioning systems

Unit V: Air-conditioning – 2

- 5.1 Types of air-conditioning systems

Unit VI: Air-conditioning – 3

- 6.1 Onsite case study of air-conditioning system
- 6.2 Air-conditioning and ducting layout – Schematic calculations and design for a space / part of a building.

SESSIONAL WORK

Tutorials for Units I, II, III, IV and V (50% marks)

Onsite case study report for 6.1 (25% marks)

Schematic air-conditioning calculations and ducting layout for 6.2 (25% marks)

RECOMMENDED READING

- National Building Code of India 2016
- Air Conditioning Principles and Systems – Edward G Pita
- Environmental Science - B J Smith, G M Phillips, M Sweeney
- Building Service Handbook – Fred Hall and Roger Greeno
- Refrigeration and Air Conditioning – Arora Ramesh Chandra
- Fundamentals of Air Conditioning Systems – Billy C Langley
- Basic Refrigeration and Air Conditioning – P N Ananthanarayanan

WORKING DRAWING I			
Course Code		3201943 [SS]	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=3, total=4)		Sessional [CIA 50 + EA 50]	100
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	100
		Total Credits	2

COURSE OBJECTIVES

- To enable the students to prepare working drawings of an architectural project and imbibe the significance of working drawings from the point of view of execution of the work on site and as important component of tender documents.

COURSE CONTENT

- Introduction to the concept of working drawings and their importance.
- Graphical presentation of all the components of a building along with dimensioning and annotations.
- Understand and apply IS Codes and internationally accepted norms / conventions / methods of preparing a working drawing along with tabulation of schedules of materials, finishes and hardware.

SESSIONAL WORK

- One working drawing of an architectural design project having load bearing structure with minimum 100 sq. m. carpet area. Manually drafted drawings [minimum 6] sufficiently explaining the building from the execution point of view.
- At least two details related to the design such as doors / windows / railings / kitchen etc. to suitable scale. (1 drawing)

Architectural DesignV		
Course Code	3201944[SV]+3201945[P]	
TeachingScheme	ExaminationScheme	
TotalContact Hoursperweek (lectures=2 Studio=5, Total = 7)	Sessional [CIA 100 + EA 100] Viva [Int 25 + Ext 25]	200 50
	In semester exam	NIL
	End Semester exam	100
	TotalMarks	350
	Total Credits	10

COURSE OBJECTIVE:

To understand Architectural Design as a process of generating design brief and taking design decisions based on the following aspects:

- **Socio-Cultural Aspects:** To introduce students to socio-cultural aspects like lifestyle, culture, traditions, and their effect on architectural design etc.
- **Aesthetics:** To understand the Aesthetic aspects of Design (visual and experiential) along with spatial attributes (scale and proportions, volume, texture, light and shadows, etc.) and formal characteristics. (profile, base, corner, termination).
- **Anthropometry & Function:** To address functional aspects of design (activity, use of space, adequacy and efficiency of space for a particular activity, essential adjacencies of spaces, ease and efficiency of circulation, light, ventilation, user-space relationship, vertical connections)
- **Climate:** To understand the Climatic aspects those have a bearing on architectural design and address climatic concerns like adequate light, ventilation, protection from rain, insulation, shading, heat gain, through passive strategies.
- **Building Material and Construction Technology:** To study relevance of various building materials to a project, to get introduced to various expressions of a building material, to introduce a student to the construction technologies relevant to the building materials chosen, to understand the scope and limitations of a building technique to achieve the desired form and space.
- **Building Services:** To understand the spatial and structural implications of basic services involved in building design.
- **Site :** To understand the site and its context, both immediate and wider, in order to enable students to take decisions of zoning, circulation within site, distribution of built and open spaces, activity relationships and adjacencies, and views.
- **Universal Design:** To understand the concept and principles of universal design.
- **Precedent Studies:** To introduce the students to learn from case, referral, live studies - process of observation, analysis, documentation and deriving inferences.

COURSE OUTLINE:

10. Designing of progressively complex spaces and buildings in terms of area, a specific community, typology, function etc, with emphasis on either scale or complexity of the project, or both.
11. Project could be evolved based on the current needs of the city and / or context responding to aspects like heritage and conservation, landscape and ecology, image and identity, etc.
12. Development of building design program from not only client or user's requirements but also in response to context specific factors like socio-economic, socio-cultural, environmental etc.
13. Introduction to develop a design philosophy/narrative as a thought process in design.
14. Analysing activities around the buildings within a campus and understand the same in context to relation of built form and open spaces, elements of landscape, pedestrian and vehicular movement, their segregation, managing sloping sites, contours, etc.
15. In case of multiple buildings (existing and/or proposed) to be accommodated within a site, analyse and understand their relationship with each other in context to establish continuity of form, construction, materials, design theme, climate, etc. and the same should reflect in the drawings and models.
16. Integrating functions, structure and services in a building with relevant structural system and its resultant effect on visual form / character of building
17. To understand various issues and aspects of sustainability, earthquake resistance, construction, universal accessibility, etc. and study how these could be integrated in the architectural design process.
18. To study a location in urban context preferably in a different socio-geographic setting other than the Institute (not mandatory), and document the study done in the tour in the form of a report with emphasis on relevant aspects like climate, social structure, culture, architectural typology, construction technology, urban fabric, economy, etc or any other issues which need to be considered for envisaging a design project in totality.

SESSIONAL WORK

Assessment Criteria: Major project should have 80% weightage and 20% weightage should be given to the minor project.

A] Major project:

System oriented project with emphasis on structural system, vertical and horizontal circulation, services like HVAC, electrical, fire-fighting systems, parking, rules & regulations etc. The project could also be evolved based on the need of the city with socio-economic context, historical context, ecological concerns, etc.

Deliverables:

- i. Portfolio A - Architectural drawings at an appropriate scale preferably 1:200/1:100. And model to suitable scale.
- ii. Portfolio B - Process drawings / tracings (Recommended)
- iii. Study models of various stage (Recommended)

B] Minor project:

Option 1: A Time Bound Project of 12 hours as a means to gauge students' ability to apply the learnings of the design studio and in the process acclimatizing them to work under time constraint and meet deadlines. This project of 12 hrs may be based on the parameters of the Design VI paper such as :

1. The suggested nature of project can be in the form of a social amenity in an urban context.
2. Size of the site given for the design should be such that it fits imperial size sheet.
3. Preferred scale of the drawing would be 1:200.

Deliverables: Architectural drawings in appropriate scale preferably 1:200/1:100. (Model optional).

Or

Option 2: Study Tour linked short term project

Deliverables: Study tour documentation must include architectural study supported by drawings, narratives, sketches, photographs and information presented in any other formats deemed suitable by the college and linked short term project.

COURSE OUTCOME:

1] Build competency and ability to make communicative architectural drawings that are of readable scales, preferably in:

1:200 (Site level drawings & Model)

1:100 (Cluster level drawings)

Appropriate details to be explored at 1:50/20/10 etc.

2] Be able to negotiate various scales in drawings and models.

3] Be equipped to resolve structural systems of various construction techniques and services.

REFERENCE BOOKS

18. Lynch, K., Lynch, K. R., & Hack, G. (1984). *Site planning*. MIT press.
19. Rybczynski W. (1984). *How the Other half builds, Volume 1 : Space*. Centre for Minimum Cost Housing. McGill University. Montreal Canada
20. Carlos Barquin (1986). *How the Other half builds, Volume 2 : Plots*. Centre for Minimum Cost Housing. McGill University. Montreal Canada
21. Vikram Bhatt. (1990). *How the Other half build, Volume 3 : Self selection Process*. Centre for Minimum Cost Housing. McGill University. Montreal Canada
22. Rapoport, A. (1969). *House form and Cultua*. Prentice-Hall of India Private Ltd.: New Delhi, India.
23. Correa, C. (2010). *A place in the shade: the new landscape & other essays*. Penguin Books India.
24. Dave, B., Thakkar, J., Shah, M., & Hāṇḍā, O. (2013). *Prathaa: Kath-khuni Architecture of Himachal Pradesh*. SID Research Cell, School of Interior Design, CEPT University.
25. Kanvinde, A., & Miller, H. J. (1969). *Campus design in India: experience of a developing nation*. Jostens/American Yearbook Company.
26. Adler, D. (2007). *Metric handbook*. Routledge
27. Neufert, E., & Neufert, P. (2012). *Architects' data*. John Wiley & Sons.
28. Gropius, W. (1956). *Scope of total architecture*. London: G. Allen & Unwin.
29. Giedion, S. (1967). *Space, time and architecture: the growth of a new tradition*. Harvard University Press.
30. Gibbered, Fredrick: Town Design.

31. David Gosling, Gordon Cullen – Visions of Urban Design.
32. Bawa, G., & Robson, D. (2002). *Geoffrey Bawa: the complete works*. Thames & Hudson..
33. Scheer, B. C. (2017). *The evolution of urban form: Typology for planners and architects*. Routledge.
34. It is strongly recommended that students are exposed on the books on works of Master architects

Building Construction and Materials VI		
Course Code	3201946 [SV]	
TeachingScheme	ExaminationScheme	
TotalContact Hoursperweek (lectures=2 Studio=3, Total = 5)	Sessional [CIA 50 + EA 50] Viva [Int 25 + Ext 25]	100 50
	In semester exam	NIL
	End Semester exam	NIL
	TotalMarks	150
	Total Credits	06

COURSE OBJECTIVES:

- To introduce the design potential of steel as a material in building construction and it's inherent structural benefits.
- To create awareness with the best practices of steel as a construction material.
- To understand the concept of modular co-ordination and industrialized building construction along with precast technology.
- To understand issues and construction of earthquake resistant frame structures.

COURSE CONTENT:

UNIT I Metal and Metal alloys, Sheet roof covering

- Types of steel used in building construction- Use of Structural and non-structural steel for low and medium span building , their properties and advantages of steel in construction.
- Market forms of structural and non-structural steel.
- Use of lightweight steel for building construction.
- Built-up sections for structural purpose.
- Sheet roof coverings --Characteristics, Properties, market forms of sheet roof covering for medium and long spans and their application.

UNIT II Fencing and Gates

- Fencing using different materials like steel, barbed wire, chain-link, weld-mesh and other available materials in market.
- Construction details of fencing and suitable gate with due consideration to design parameters.

UNIT III Steel Trusses

- Understanding concepts of trusses, basic connections for trusses along with earthquake resistant features.
- Construction of trusses for low rise medium span buildings.

UNIT IV Steel structure construction

- Understanding methods of construction of various components of steel structures; steel frame construction for multi-storey steel building.
- Construction details of assembly with stanchion, beams and metal deck flooring along with earthquake resistant features.
- Moisture and fire protections in steel framed buildings

UNIT V Modular co-ordination

- Concept of modular coordination for Industrialized building construction, planning and construction details
- Precast floor and roof construction along with the following systems developed by CBRI:
 - Floor and roof construction using partially precast planks and joist.
 - Floor and roof construction using precast Waffle unit.
 - Introduction to locally available proprietary precast systems

UNIT VI Earthquake resistant frame structures.

- Overview of earthquake resisting structural systems.
- Application of Moment resisting frames, crossed braced frames and shear wall for Earthquake resistance structures.

SUBMISSION REQUIREMENT FOR SESSIONAL WORK: Hand drawn drawings on Units 3,4 and 5 to cover all the aspects of course outline in sufficient detail;; Assignments on units 1, 2,6 include sketches, notes, market survey and case-studies.

OUTCOME: Students will develop an understanding of possibilities of steel as an important building construction material. Understanding of properties of ferrous and non ferrous metals as materials for buildings will enable students to use Steel innovatively in building projects.

RECOMMENDED READINGS:

- Central Public Work Department, Indian Building Congress. Handbook on Seismic Retrofit of Buildings. Narosa Publishing House. 2008
- Andrew Charleson. Seismic Design for Architects: Outwitting the Quake. Elsevier Ltd 2008
- Terri Meyer Boake. Understanding Steel Design: An Architectural Design Manual. Birkhauser Basel 2012.
- Stephen Emmitt. Barry's Advanced construction of buildings. Wiley, 2006

- Mackay J.K. Building Construction vol.-1-4. Longman Scientific & Technical, 1988.
- IS 7921 : Recommendations for modular coordination in building industry Horizontalcoordination
- IS 7922 : Recommendations for modular coordination in building industry Verticalcoordination
- M. M. Mistry. Modular coordination & prefabrication, Principles of Modular Coordination in building.
- BMTPC. Standards & Specifications for Cost-Effective Innovative Building Materials and Techniques. BMTPC 1996

Theory of Structures VI		
Course Code	3201947 [P]	
TeachingScheme	ExaminationScheme	
TotalContact Hoursperweek (lectures=2 Studio=0, Total = 2)		
	In semester exam	30
	End Semester exam	70
	TotalMarks	100
	Total Credits	02

COURSE OBJECTIVES:

- *To the study of effect of Lateral Pressure of Soil and Water for increasing heights.*
- *To Develop in Students the Feel for Structural Principles and their Relates to Building Design*
- *To Develop in Students the Concept that “Every Structure is a System that Forms the Space” and the fact that Architecture and Structure cannot be conceived independently.*
- *To Develop in Students the fact that Structural Engineering is a Specialist Discipline and that the Architect has to appreciate the consultant’s concern and make an informed choice about the most appropriate Structural System for his Building with Reasonable Understanding of its Economic and Operational Implications.*
- *To Develop in Students the Mathematical logic that would enable him to Design the Structural System for Ground +2 Storey R.C.C Structure and a medium span Factory Building in steel.*
- *To in-still in the Students a Confidence that they could develop and explore a Structural System of their own design and execute the same.*

Unit 1: Lateral Pressure and Retaining Walls Continued:

- Theory of **Cantilever Retaining walls**, their Proportioning, Stability, Reinforcement Detailing of Stem and Base, Shear Key. **Numerical** on Stability of Cantilever Retaining Wall, Design of Stem Reinforcement.
- Theory of **Counter Fort Retaining Wall**, Its Parts, Structural Action on Each Part and Reinforcement Detailing
- **Water Tanks in R.C.C:** Joints in Water Tanks, Limit State of Cracking, Minimum Percentage of Steel and Other Standards.
 - R. C.C. Circular Water Tank with Flexible and Rigid Joint between Wall and Base -Concept of Hoop Tension – Reinforcement Detailing.
 - R. C.C. Square and Rectangular Water Tanks -Reinforcement Detailing.
 - R.C.C. Under-Ground Water Tanks - Pressure Conditions -Reinforcement Detailing.
 - Over Head Water Tank - An Intze Tank - Parts and General Detailing

Unit 2: Design of R.C.C Framed Structure:

- **Total review** of design of ground + two storied RCC building. Defining Structural system, different loads, Design sequence, transfer of load, Actual design procedure. Framing of a Given Plan as per constraints on Beam and Slab Depths
- **Understanding Structural Schedules and drawings**, Sketching Based on Given Schedule.

Unit 3: Design of Steel Structures Continued:

- **Compound Stanchions:** Theory of Compound Stanchions. **Numerical** on Design and Analysis of Compound Stanchion. Lateral System Design of Lacing and Battening and other Lateral Systems in Theory Only
- **Trusses:** Truss types, **Numerical** on Design of Purlins and Transfer of Load to Trusses. **Numerical** on Design of Compression and Tension Members with Design of Bolted and Welded Joints. Connections in Structural Steel.

Unit 4: Design of Steel Framed Factory Buildings:

- Total review of design of medium span factory building in steel. Structural systems, different loads, Design sequence, transfer of load, actual design, procedure, Understanding structural drawings.

Unit 5: Understanding Wind Load:

- Factors Affecting Wind Load. Analysis of Win Load for Ground + 9 Storeyed Building.
- Resulting Stresses in Foundations due to Effect of Wind load on Tall Structures
- Effect of Wind Load on Roof.

Unit 6: Advanced Structures:

- **Long span structural systems** in Steel and R.C.C like Domes. Vaults, Folded Plates, and Tensile Structures using Fabric. Advantages and disadvantages of different systems.

- **High Rise Buildings Structural System** like Rigid frame, Moment Resisting Frames, Braced Frames, Shear Walls, Out Rigger Systems, Tube Systems, Tube in Tube, Dia-Grid, Exo- Skeleton. Space Trusses etc. Appropriate System as per height.

Course Outcome: *At the end of semester student develops*

1. *The understanding Effects of Lateral Pressure of Soil and Water*
2. *The sense to frame R.C.C and Steel Buildings*
3. *The Understanding of different Structural Systems for Larger Spans and Tall Buildings with an understanding of Wind Load*

Reference Books

1. Design of R.C.C. Structures by H.J.Shah
2. Design of R.C.C. Structures by Punmia and A.K.Jain
3. Design of Reinforced Concrete Structures by N.Krishnaraju
4. R.C.C Theory and Design by Dr. V.L.Shah and Dr.S.R.Karve
5. L.S.Design of Steel Structures by S.K.Duggal
6. Design of Steel Structures By Limit State Method as per I.S.800- 2007 By S.S.Bhavikatti

RESEARCH IN ARCHITECTURE I		
Course Code	3201948 [SS]	
Teaching Scheme	Examination Scheme	
Total Contact Hours per week (lectures=1 Studio=2, Total =3)	Sessional [CIA 25 + EA 25]	50
	In semester exam	NIL
	End Semester exam	NIL
	Total Marks	50
	Total Credits	02

COURSE OBJECTIVES:

- To introduce students to Research in Architecture and its value in design
- To enable the students to prepare a research proposal.

COURSE OUTLINE:

- Unit I -- Introduction to the meaning and need of research in architecture. Introduction to various concepts such as types of variables, measurement of variables, sample selection, ethics in research.
- Unit II – Process of research – Methodology

- Unit III – Literature study
- Unit IV – Methods of research in architecture. Use of surveys, observations, experiments, secondary sources.

SESSIONAL WORK:

- Tutorial based on all of the above units
- Literature Review of at least 5 papers related to the topic of their choice.
- Research proposal giving details of aims, objectives, scope, limitations, methods, samples selected on the topic approved by the head of the institution.

NOTE:

- The guide must have minimum 5 years of teaching experience. Preferably a guide should not guide more than 8 students.
- It is desirable that the research proposal is presented in front of experts.
- It is beneficial to the students if the topic is related to the architectural design project of semester X.

REFERENCE BOOKS

Babbie, E. *The Practice of Social Research*. third edition. Belmont: Wadsworth Publishing Co., 1983. Book.

Cresswell, J.W. *Research Design: Qualitative and Quantitative Approaches*. Thousand Oaks: Sage, 1994. Book.

De Vaus, D.A. *Surveys in Social Research*. Jaipur: Rawat Publications, 2003. Book.

Dey, I. *Qualitative Data Analysis: A User Friendly Guide for Social Scientists*. London: Routledge, 1993. Book.

Groat, L. & Wang, D. *Architectural Research Methods*. New York: John Wiley and Sons Inc., 2002. Book.

Kothari, C.R. *Research Methodology: Methods and Techniques*. New Delhi: WishwaPrakashan, 2005. Book.

Michelson, William. *Behavioural Methods in Environmental Design*. Stroudsburg, Pennsylvania: Dowden, Hutchinson and Ross, Inc., 1982.

Nachmias, C.F. & Nachmias, D. *Research Methods in Social Sciences*. Great Britain: St. Martin's Press Inc., 1996. Book.

Patton, M.Q. *Qualitative Evaluation Methods*. Newbury Park: Sage Publications, 1980. Book.

Sanoff, H. *Methods of Architectural Programming*. Vol. 29. Dowden Hutchinson and Ross, Inc., 1977. document.

—. *Visual Research Methods in Design*. USA: Van Nostrand Reinhold, 1991.

ELECTIVE II			
Course Code		3201949 [SS]	
Teaching Scheme		ExaminationScheme	
TotalContact Hours per week= (lectures=1, Studio=3, Total=4)		Sessional [CIA 50+EA 50]	100
		In-semester exam	NIL
		End Semester exam	NIL
		TotalMarks	100
		Total Credits	03

Course Objectives:

To allow the students to study a subject of their interest and develop theoretical as well as practical understanding of the same. As mentioned in the course structure of 2019 pattern syllabus [Appendix B] a student may adhere to a particular stream of elective of his/her choice and *nurture his/her area of interest and develop his/her expertise*. However colleges have to ensure that the student does not repeat a particular elective.

Course Outline:

Colleges have to develop course outline for the elective they wish to offer such that theoretical as well practical aspects are covered linking them to the field of architecture. Apart from lectures delivered by the subject resource persons, self study in form of hands on workshop / field work/ review of literature / seminar or any suitable format of learning may be adopted.

Sessional Work:

The submission to be devised by the colleges in form suitable to the elective offered. The format could be [but not limited to] as following.

- Field study reports
- Mapping / documentation / photographic / videographic documentation
- Measured drawings
- Computer based assignments
- Tutorials

Course Specific Outcomes:

Building Services IV	
Course Code	3201950[P] & 3201951 [SS]
Teaching Scheme	Examination Scheme

TotalContact Hoursperweek (lectures=2 Studio=1, Total =3)	Sessional [CIA 25 + EA 25]	50
	In semester exam	30
	End Semester exam	70
	TotalMarks	150
	Total Credits	03

COURSE OBJECTIVES

- To comprehend building services as an integral part of architectural design process
- To obtain knowledge of fire safety provisions and aspects of good acoustics in architectural design

COURSE OUTLINE

- Properties of sound, strategies for reducing noise, aspects of treatments for good acoustical conditions
- Provisions for fire prevention, life safety and fire protection as per NBC 2016-Part 4

TEACHING PLAN

Unit I: Acoustics- 1

- 1.4 Generation and propagation of sound, properties of sound, human hearing ranges
- 1.5 Planning and design to control outdoor noise and indoor noise
- 1.6 Materials and construction for acoustical treatment, NRC and STC ratings

Unit II: Acoustics -2

- 2.1 Parameters for good acoustical conditions
- 2.2 Air and structure borne noise control

Unit III: Acoustics- 3

- 2.5 Reverberation time calculation and recommendation for acoustical treatment
- 2.6 Sound amplification systems

Unit IV: Fire prevention

- 4.1 The fire triangle, causes, impacts, basic terminology
- 4.2 Occupancy based classification of buildings, fire zones, construction types, fire rating requirements
- 4.3 Provisions for emergency power, escape lighting and exit signage, fire/smoke dampers
- 4.4 Provisions related to air conditioning, glazing, interior finishes, fire command centre

Unit V: Life safety

- 5.1 Exit requirements, egress components
- 5.2 Compartmentalisation, provision for basements, gas supply, fire detection and alarm

Unit VI: Fire protection

- 6.1 Fire extinguishers/fixed firefighting installations, static water storage tanks, pump house, automatic sprinkler installations, automatic high velocity and medium velocity water spray systems, fixed foam installation, gas-based suppression system, automatic water mist systems

SESSIONAL WORK

- Tutorials for Units I to VI (50% marks)
- Reverberation time calculations and recommendations for acoustical treatment (25% marks)
- Design for provisions for fire prevention, life safety and fire protection (25% marks)

RECOMMENDED READING

- National Building Code of India 2016
- Architectural Acoustics - M. David Egan
- Architectural Acoustics: Principles and Design - Madan Mehta, James Allison Johnson, Jorge Rocafort
- Auditorium Acoustics and Architectural Design - Michael Barron
- Building Services Handbook- Fred Hall, Roger Greeno.

WORKING DRAWING II			
Course Code		3201952 [SS]	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=3, total=4)		Sessional [CIA 50 + EA 50]	100
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	100
		Total Credits	2

COURSE OBJECTIVES:

- To Introduce idea of Design Development and detailing and its relevance in converting 'concept design' to working drawing and hence the realization of design on site.
- To imbibe further the importance of working drawings as an essential tool for effective site execution and execution of a building contract.
- To expose to the standard methods, conventions, drawing annotations including International standards, IS codes, its application in working drawing set with material and component and schedules.

COURSE OUTLINE:

- Lecture demonstration/s to elaborate on standard practices, conventions, graphic annotations, sequencing and cross reference systems of a good working drawing set.

- Design development and detailing of own **design** to resolve the design idea to one which can be executed/ constructed, exposing students to construction parameters, limitation and sequencing.
- Generating a working drawing set for the **chosen design/ building** with framed/composite construction including schedules of material, finishes, components and accessories
- Developing and drafting details of Civil work and furniture/ interior design including schedule of finishes

SESSIONAL WORK:

- Preparing a manually drafted/ CAD generated working drawing set of 'own design project' with carpet area not less than 250 Sq. M. and at least Ground plus one storied building having framed/composite construction. The set to also include at least two civil details out of following.
 - façade / skin of the building with fenestration and weather protection.
 - Stairway/ staircase
 - Public Washroom
- Interior layout of any one space of about 25sq.m. Area showing furniture layout, fittings, lighting, partitions, reflected ceiling plan to a suitably large scale. And any one construction detail related interior finishes/ custom made furniture of following.
 - Suspended ceiling
 - Paneling or partitions
- A rough folio comprising of design development drawings, sketches supporting the final working drawing set shall be retained by the candidate.

Equivalence of Subjects for 2015 Pattern and 2019 Pattern			
1. Both 2015 and 2019 Syllabi of B. Arch are semester patterns			
2. Some subjects are newly introduced in 2019 pattern ,hence the candidate has to take the courses In these subjects			
* indicates new subjects introduced in 2019 syllabus			
FIRST YEAR SEMESTER I and II			
2015 Pattern		2019 Pattern	
Subject Code	Subject	Subject Code	Subject
1201501	Design I (SV)	1201901	Basic Design (SS)
1201502	Building Technology & Materials I (SV)	1201903	Building Construction & Materials I (SV)
1201503	Building Technology & Materials I (PP)	1201902	Building Construction & Materials I (PP)
1201504	Theory of Structures I (PP)	1201904	Theory of Structures I (PP)
1201505	Arch Drawing & Graphics I (SS)	1201905	Architectural Graphics and Drawing I (SS)
1201506	Humanities (SS)	1201906	History of Arch. & Culture I (SS)
1201507	Introduction to Architecture (SS)	1201915	Fundamentals of Architecture (SS)
1201508	Workshop I (SS)	1201908	Workshop I (SS)
1201509	Design II (SV)	1201909	Architectural Design I (SV)
1201510	Building Technology & Materials II (SV)	1201911	Building Construction & Materials II (SV)
1201511	Building Technology & Materials II (PP)	1201910	Building Construction & Materials II (PP)
1201512	Theory of Structures II (PP)	1201912	Theory of Structures II (PP)
1201513	Arch Drawing & Graphics II (SS)	1201913	Arch Drawing & Graphics II (SS)
1201514	History of Architecture I (SS)	1201914	History of Arch. & Culture II (SS)
1201515	Climatology (SS)		to appear
1201516	Workshop II (SS)	1201916	Workshop II (SS)
		1201907	Communication Skills**

SECOND YEAR SEMESTER III and IV			
2015 Pattern		2019 Pattern	
Subject Code	Subject	Subject Code	Subject
2201517	Design III (SV)	2201917	Architectural Design II (SV)
2201518	Building Technology & Materials III(SV)	2201919	Building Construction & Materials III (SV)
2201519	Building Technology & Materials III(PP)	2201918	Building Construction & Materials III (PP)
2201520	Theory of Structures III	2201920	Theory of Structures III
2201521	Building Services I (SS)	2201924	Building Services I (SS)
2201522	Building Services I (PP)	2201923	Building Services I (PP)
2201523	History of Architecture II (SS)	2201922	History of Arch & Culture III (SS)
2201524	Arch Drawing & Graphics III (SS)	2201921	Computers Aided Drawing and Graphics
2201525	Surveying & Levelling (SS)		to appear
		2201925	Climatology (SS) **
2201526	Design IV (SV)	2201926	Architectural Design III(SV)
2201527	Building Technology & Materials IV(SV)	2201928	Building Construction & Materials IV (SV)
2201528	Building Technology & Materials IV (PP)	2201927	Building Construction & Materials IV (PP)
2201529	Theory of Structures IV (PP)	2201929	Theory of Structures IV (PP)
2201530	Building Services II (SS)	2201933	Building Services II (SS)
2201531	Building Services II (PP)	2201932	Building Services II (PP)
2201532	History of Architecture III (SS)	2201931	History of Arch. & Culture IV (SS)
2201533	Technical Communication(SS)		to appear
2201534	Working Drawing I (SS)		to appear
		2201900	Environmental Science**
		2201934	Site Survey and Analysis**

THIRD YEAR SEMESTER V and VI			
2015 Pattern		2019 Pattern	
Subject Code	Subject	Subject Code	Subject
3201535	Design V (SV)	3201935	Architectural Design IV (SS)
3201536	Building Technology & Materials V(SV)	3201937	Building Construction & Materials V (SV)
3201537	Building Technology & Materials V (PP)	3201936	Building Construction & Materials V (PP)
3201538	Theory of Structures V	3201938	Theory of Structures V (PP)
3201539	Landscape Architecture I	3201939	Landscape Architecture (SS)
3201540	Building Services III (SS)	3201942	Building Services III (SS)
3201541	Building Services III (PP)	3201941	Building Services III (PP)
3201542	History of Architecture IV (SS)	3201940	Contemporary Architecture Elective I

3201543	Working Drawing II (SS)	3201952	Working Drawing II (SS)
		3201943	Working Drawing I**
3201544	Design VI (SV)	3201944	Architectural Design V (SV)
3201545	Design VI (PP)	3201945	Architectural Design V (PP)
3201546	Building Technology & Materials VI(SV)	3201946	Building Construction & Materials VI (SV)
3201547	Building Technology & Materials VI(PP)		to appear
3201548	Theory of Structures VI (SS)	3201947	Theory of Structures VI (SS)
3201549	Landscape Architecture II (SS)		to appear
3201550	Building Services IV(SS)	3201951	Building Services IV(SS)
3201551	Building Services IV (PP)	3201950	Building Services IV(PP)
3201552	Contemporary Arch Seminar (SS)		to appear
3201553	Elective I (SS)	3201949	Elective II
		3201948	Research in Architecture I**

FOURTH YEAR SEMESTER VII and VIII			
2015 Pattern		2019 Pattern	
Subject Code	Subject	Subject Code	Subject
4201554	Design VII (SV)	4201953	Architectural Design VI (SV)
4201555	Advanced Building Technology and Services I (SV)	4201954	Advanced Building Construction and Services I (SV)
4201556	Professional Practice I (PP)	4201959	Professional Practice (PP)
4201557	Urban Studies I (SS)	4201955	Urban Studies I (SS)
4201558	Research in Architecture I (SS)		to appear
4201559	Quantity Surveying and Estimation I (PP)	4201958	Quantity Surveying & Specification Writing I (PP)
4201560	Specification Writing I (PP)	4201965	Quantity Surveying & Specification Writing II(PP)
4201561	Elective II (SS)	4201957	Elective III
		4201956	Research in Architecture II**
4201562	Design VIII (SV)	4201960	Architectural Design VII (SV)
4201563	Advanced Building Technology and Services II (SV)	4201961	Advanced Building Construction and Services II (SV)
4201564	Professional Practice II (PP)		to appear
4201565	Urban Studies II (SS)	4201962	Urban Studies II (SS)
4201566	Research in Architecture II (SS)	4201966	Project Management**
4201567	Quantity Surveying and Estimation II (PP)		to appear
4201568	Specification Writing II (PP)		to appear
4201569	Elective III (SS)	4201963	Elective IV
		4201964	Elective V**

FIFTH YEAR SEMESTER IX			
2015 Pattern		2019 Pattern	
Subject Code	Subject	Subject Code	Subject
5201570	Practical Training (SV)	5201967	Practical Training (SV)
FIFTH YEAR SEMESTER X			
2015 Pattern		2019 Pattern	
Subject Code	Subject	Subject Code	Subject
5201571	Architectural Design Project (SV)	5201968	Architectural Design Project (SV)
5201572	Elective IV (SS)	5201970	ElectiveVI (SS)
		5201969	Entrepreneurship Development**



M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

C) Savitribai Phule Pune University – B. Arch Program Syllabus Details

2. 2015 PATTERN

- Syllabus Implementation Letter
- Syllabus Course Structure
- Syllabus Course Details
- Equivalence (2015 & 2008 Pattern)



सावित्रीबाई फुले पुणे विद्यापीठ

दूरध्वनी क्रमांक :
०२०-२५६९१२३३
२५६०१२५८
२५६०१२५९



शैक्षणिक विभाग
गणेशखिंड, पुणे-४११ ००७
टेलिग्राफ : 'युनिपुणे'
फॅक्स : ०२०-२५६९१२३३
वेबसाइट : www.unipune.ac.in
ई-मेल : boards@pun.unipune.ac.in
दिनांक : ०८/०२/२०१५

संदर्भ क्र. : सी.बी./इंजि / १७३


परिपत्रक क्र. १५ / २०१५

विषय:- अभियांत्रिकी विद्याशाखेअंतर्गत B. Arch. and M. Arch. (Credit System) च्या नवीन अभ्यासक्रमांस व आराखडयास शैक्षणिक वर्ष २०१५-१६ पासून मान्यता देण्याबाबत.....

विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार सर्व संबंधितांस या परिपत्रकाद्वारे कळविण्यात येते की, अभियांत्रिकी विद्याशाखेअंतर्गत B. Arch. and M. Arch. (Credit System) च्या खालील नवीन अभ्यासक्रमांस व आराखडयास शैक्षणिक वर्ष २०१५-१६ पासून मान्यता देण्यात येत आहे.

1. B. Arch. (2015 Course)
 - First and Second Year B. Arch.
2. M. Arch. (2015 Course):
 - M. Arch. (Landscape); M. Arch. (Environmental Architecture); M. Arch. (Digital Architecture); M. Arch. (Architectural Conservation) and M. Arch. (Computer Applications)

पुणे विद्यापीठाच्या सर्व संलग्न वास्तुशास्त्र महाविद्यालयांचे मा. प्राचार्य यांना विनंती की, सदर परिपत्रकाचा आशय सर्व संबंधित प्राध्यापक व विद्यार्थ्यांच्या निदर्शनास आणून द्यावा.


संचालकांकरिता
(म.वि.वि.मं)

कृ.प.मा.

त माहितीसाठी व पुढील योग्य त्या कार्यवाहीसाठी:—

१. मा. अधिष्ठाता, अभियांत्रिकी विद्याशाखा
२. मा. संचालक, बी.सी.यु.डी.
३. मा. प्राचार्य, सर्व वास्तुशास्त्र महाविद्यालये
४. मा. संचालक, सर्व मान्यताप्राप्त संस्था
५. मा. परीक्षा नियंत्रक, पुणे विद्यापीठ
६. मा. संचालक, स्पर्धा परीक्षा केंद्र
७. मा. उपकुलसचिव, परीक्षा (१,२)
८. मा. सिस्टीम ऑनॅलिस्ट डेटा प्रोग्रेसिंग युनिट
९. मा. उपकुलसचिव, प्रवेश
१०. मा. उपकुलसचिव, विकास
११. मा. उपकुलसचिव, पात्रता
१२. सहाय्यक कुलसचिव (परीक्षा समन्वय)
१३. सहाय्यक कुलसचिव (परीक्षा—एस.अॅण्ड टी. विभाग)
१४. सहाय्यक कुलसचिव (गोपनीय कक्ष)
१५. सहाय्यक कुलसचिव (परदेशी विद्यार्थी केंद्र)
१६. सहाय्यक कुलसचिव (सभा दफ्तर)
१७. कायदा अधिकारी
१८. जनसंपर्क अधिकारी
१९. कक्षाधिकारी (बहिःस्थ)
२०. कक्षाधिकारी (पात्रता विभाग)
२१. प्रमुख, विद्यापीठ उपकेंद्र : अहमदनगर, नाशिक.

वि.प. ठराव क्र. ब ४० पीए/४० /१४, दि. ३० डिसेंबर, २०१४

सावित्रीबाई फुले पुणे विद्यापीठ
(पूर्वीचे पुणे विद्यापीठ)

दूरध्वनी क्रमांक :
०२०-२५६९१२३३
२५६०१२५८
२५६०१२५९



शैक्षणिक विभाग
गणेशखिंड, पुणे-४११ ००७
टेलिग्राफ : 'युनिपुणे'
फॅक्स : ०२०-२५६९१२३३
वेबसाइट : www.unipune.ac.in
ई-मेल : boards@pun.unipune.ac.in

संदर्भ क्र. : सी.बी./इंजि. /34

दिनांक : 10/01/2017

परिपत्रक क्रमांक. 90 / २०१७

विषय :- तृतीय, चतुर्थ व पंचम वर्ष बी.आर्च २०१५ पॅटर्न अभ्यासक्रम
शैक्षणिक वर्ष २०१७-१८ पासून लागू करण्यासंदर्भात.

विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार सर्व संबंधितांस या
परिपत्रकाद्वारे कळविण्यात येते की, तृतीय, चतुर्थ व पंचम वर्ष बी.आर्च २०१५
पॅटर्न अभ्यासक्रमास शैक्षणिक वर्ष २०१७-१८ पासून मान्यता देण्यात येत आहे.

सदर अभ्यासक्रम सावित्रीबाई फुले पुणे विद्यापीठाच्या www.unipune.ac.in
या वेबसाईटवर Syllabi- Engineering या शीर्षकाखाली उपलब्ध आहे.

सावित्रीबाई फुले पुणे विद्यापीठाच्या सर्व संलग्न वास्तुशास्त्र महाविद्यालयांचे
मा. प्राचार्य यांना विनंती की, सदर परिपत्रकाचा आशय सर्व संबंधित प्राध्यापक व
विद्यार्थ्यांच्या निदर्शनास आणून द्यावा.

संचालकांकरिता
(म.वि.वि.मं)

व्. मा. प.

प्रत माहितीसाठी व पुढील योग्य त्या कार्यवाहीसाठी:—

१. मा. समन्वयक, अभियांत्रिकी विद्याशाखा
२. मा. संचालक, म.वि.वि.मं
३. मा. प्राचार्य, सर्व वास्तुशास्त्र महाविद्यालये
४. मा. संचालक, सर्व मान्यताप्राप्त संस्था
५. मा. परीक्षा नियंत्रक, सा. फु. पुणे विद्यापीठ
६. मा. संचालक, स्पर्धा परीक्षा केंद्र
७. मा. उपकुलसचिव, परीक्षा (१,२)
८. मा. सिस्टीम ऑनॅलिस्ट डेटा प्रोग्रेसिंग युनिट
९. मा. उपकुलसचिव, नियोजन व विकास
१०. मा. उपकुलसचिव, (पात्रता विभाग)
११. मा. उपकुलसचिव (सभा दफ्तर)
१२. मा. संचालक (परदेशी विद्यार्थी केंद्र)
१३. सहायक कुलसचिव, शैक्षणिक प्रवेश विभाग
१४. सहायक कुलसचिव (गोपनीय कक्ष)
१५. सहायक कुलसचिव (परीक्षा—एस.अॅण्ड टी. विभाग)
१६. सहायक कुलसचिव (परीक्षा समन्वय)
१७. वरिष्ठ कायदा अधिकारी
१८. जनसंपर्क अधिकारी
१९. कक्षाधिकारी (बहिःस्थ)
२०. प्रमुख, विद्यापीठ उपकेंद्र : अहमदनगर, नाशिक.

वि.प. ठराव क्र. ब ०३ पीए/०३/२०१६, दि. २९ नोव्हेंबर, २०१६

SAVITRIBAI PHULE PUNE UNIVERSITY

COURSE STRUCTURE

FIVE YEAR DEGREE COURSE IN ARCHITECTURE [B.ARCH.]

TO BE IMPLEMENTED FROM 2015-16

**BOARD OF STUDIES IN ARCHITECTURE
FACULTY OF ENGINEERING**

SAVITRIBAI PHULE PUNE UNIVERSITY

BACHELOR OF ARCHITECTURE

COURSE STRUCTURE AND RULES

Preamble

The New Syllabus of the B.Arch course hence forth to be referred as the 2015 Pattern, to be implemented from the year 2015-16, is designed to address and update the knowledge about the field. The course focuses to develop the design ability, impart knowledge about various aspects of architecture and develop various skill sets. Considering this certain subjects are reduced in scope while certain new subjects are added.

As per the University guidelines, the course is structured upon the Credit System Based Assessment. In semester and End semester assessment is introduced for theory paper subjects and at end of the semester sessional assessment for studio based subjects.

Following are the salient features of the course content.

- To bridge the gap between learning Basic Design and its application in Architectural Design, a comprehensive subject titled as “Design” is introduced where in there is simultaneous and synchronized learning of basic design and architectural design fundamentals in the first two years of the course.
- “Introduction to Architecture” a one semester (first semester) course would give an overview of the discipline of architecture as well as the structure of five-year course.
- “Humanities” as a separate subject is introduced to enable the understanding of human culture, society and civilisations and prepare a base for learning the history of architecture in the later semesters. The subject should be taught from the perspective of architecture.
- “Urban Studies” in the fourth year (both the semesters) is a comprehensive subject integrating urban planning, urban design, architectural conservation & byelaws. An introduction to building economics is also included in the course content.
- “Research in Architecture I” would introduce the students to the research methodology and research methods while in “Research in Architecture II” the students would undertake a research project to employ the knowledge they gained in the first leg of this subject.
- “Electives” are introduced from sixth semester onwards. The subjects / topics of the elective are thematically grouped: Sixth semester Elective I (Interior design elective), Seventh semester Elective II (Design and Technology

elective), Eighth semester Elective III (Allied elective) and Tenth semester Elective IV (Management Elective).

Rule no.1: ELIGIBILITY FOR ADMISSION.

Eligibility Criteria: Students seeking admission to First year of Bachelor's degree course in Architecture must fulfill the eligibility criteria laid down by University of Pune / Govt. of Maharashtra / Council of Architecture as applicable from time to time.

Rule no.2: SCHEME OF ASSESSMENT.

A candidate to be eligible for the degree of Bachelor of Architecture will be required to appear for and pass examinations as under:

Examination Consisting of

STAGE I (Total credits of Stage I = 144)

1. I B.Arch. Semester I & II exams
2. II.B.Arch Semester III & IV exams
3. III.B.Arch. Semester V & VI exams

STAGE II (Total credits of Stage II = 70)

4. IV B.Arch. Semester VII & VIII exams
5. V B.Arch. Semester IX & X exams

Total Credits of the Course = Stage I + Stage II = 214

Rule no. 3: GRANTING OF TERM.

Academic year shall consist of two semesters of 90 teaching days each. Sessional work completed by the students shall be continuously assessed internally during the term and assessed at the end of the academic term jointly by the internal and external examiners. The candidate will be permitted to appear for examination **only** if he/she produces testimonials from the Principal of the College for :

1. 75% attendance in each head of passing of theory and/ or sessional work as prescribed by the University.
2. Satisfactory completion of the sessional work prescribed for each subject and securing minimum 45% marks in the Internal assessment for the same.
3. Good Conduct.

Rule no. 4: PREREQUISITES FOR ADMISSION TO HIGHER CLASSES.

A student shall be promoted to higher class only if he/she has scored minimum 45 % marks in each theory / sessional / sessional and viva-voce head and minimum 50% aggregate.

For admission to Stage II of the course:

1. Candidates admitted to the course shall complete the first stage within five years of admission to the course.
2. The aggregate marks of F.Y, S.Y., and T.Y. at the end of Stage I should not be less than 50%.

Rule no. 5 : Rules of Passing

5.1 To pass sessional and /or oral, the student has to earn minimum 45% marks in each head.

5.2 To pass the theory subject head the student has to earn minimum of 45% marks in the End semester exam and minimum 45% average marks (In semester + End semester).

5.3 The failing student can repeat the end semester exam to pass the head in any semester and the In semester exam marks will be retained as it is. Or the failing student can repeat for end semester exam as well as in semester exam for the head of even semester in the even semester only and for the head of odd semester in the odd semester only for the theory head.

5.4 To earn credits of a course (paper/sessional/oral) student must pass the course with minimum passing marks / grade.

5.5 Student can apply only for the revaluation / photocopying / verification of answer sheets of End semester exam only.

Rule no. 6: RULES OF A.T.K.T.

1. A student can be admitted for the third semester if he/she earns minimum **50%** credits of the total of first and second semester.
2. A student can be admitted for the fifth semester if he/she earns minimum **50%** credits of the total of third and fourth semester and all the credits (**100%**) of the first and second semester and passing grade of aggregate for first year.
3. A student can be admitted for the seventh semester if he/she earns minimum **50%** credits of the total of the fifth and sixth semesters and all the credits (**100%**) of the third and fourth semesters and passing grade of aggregate for second year.
4. Fourth Year and Final Year are considered as integrated Stage II of the course and hence students will be allowed to take admission to Fifth year irrespective of the credits earned by the student in seventh and eighth semesters.
5. A student would be awarded B.Arch. only if he/she earns 214 (100%) credits and clears all the courses specified in the syllabus and gets passing grade of aggregate.

Rule no. 7: ASSESMENT AND GRADE POINT AVERAGE

7.1 A grade assigned to each head based upon marks obtained by the student in examination of the course.

Table 1

GRADING SYSTEM FOR PASSING HEADS (theory / sessional / sessional-viva)

Grade	Grade Points	% of Marks Obtained	Remarks
O	10	90-100	Outstanding
A	9	80-89	Very good
B	8	70-79	Good
C	7	60-69	Fair
D	6	50-59	Average
E	5	45-49	Below average
F	0	Below 45	Fail

Table 2

GRADING SYSTEM FOR AGGREGATE

Grade	Grade Points	% of Marks Obtained	Remarks
O	10	90-100	Outstanding
A	9	80-89	Very good
B	8	70-79	Good
C	7	60-69	Fair
D	6	50-59	Average
F	0	Below 50	Fail

7.2 Passing grades for various heads: The grades O,A,B,C,D & E are passing grades for various heads (paper / sessional / sessional viva voce). A candidate acquiring any one of these grades in a course shall be declared as pass only in that particular subject head. And student shall earn the credits for a course only if the student gets passing grade in that course (which includes paper and/or sessional and/ or sessional viva voce).

7.3 Passing grades for Aggregate : The grades O,A,B,C & D are passing grades in the aggregate.

7.4 F grade for various heads: The grade F is a failure grade. The student with F grade will have to pass the concerned course by reappearing for the examination.

7.5 F grade for aggregate: The grade F is a failure grade for aggregate. The student with F grade will have to appear for paper &/ or sessional & /or session viva voce for improvement of aggregate.

Rule no. 8: EXAMINATIONS.

i. Paper **and/ or**

ii. Sessional / Sessional and Viva-voce based on sessional work,
as prescribed in the subjects will be treated as **separate heads of passing.**

8.1 Structure of Theory Paper Examinations

The theory Examination shall be conducted in two phases for the subjects as indicated in the structure viz.: In Semester Examination and End Semester examination. The structure detailing the time, mode of syllabus coverage, maximum marks etc is given below. This structure of examinations shall be followed by the regular candidates :-

Phase of examination	Time	Mode	Syllabus Coverage	Duration	Max. Marks
In semester	End of 6 th week	Written	Unit I & II	60 minutes	30
End Semester	End of Semester	Written	All Units	150 minutes	70

The detail examination schedule shall be decalred at the beginning of the semester by the Savitribai Phule Pune University.

Rule no. 9: CONDUCT OF EXAMINATIONS.

9.1 All the examinations will be conducted at University level.

9.2 In-Semester Examination : Shall be carried out at concerned college by appointing examiners from the panel given by the 32/5 committee of the University and the result to be conveyed to the University.

9.3 End-Semester Examination : Shall be carried out at concerned college as per the University schedule of examination program and the question paper will be made available by the University.

Rule no. 10: Assesment

10.1 **In-semester Examination Assessment** will be done at the College by the expert who is appointed as the examiner for the subject as per 32/5 Panel of the In-semester exam.

10.2 **End-Semester Examination Assessment** will be done at the CAP center by the Expert(s) appointed as the examiner for the subject as per 32/5 Panel of the End-semester exam for Third to Fifth Yr.

10.3 SESSIONAL WORK ASSESSMENT.

- a. The sessional and /or oral examinations is to be conducted and assessed jointly by external and internal examiner approved by the University.
- b. In respect of Sessional work at F. Y. B.Arch., S. Y. B.Arch., T. Y. B.Arch. Fourth Yr. B.Arch and Fifth Year B.Arch. target date shall be fixed for the completion of each assignment and the same shall be completed and collected on the fixed target date. All assignments shall be continuously assessed by the teacher during semester.
- c. At the end of each semester sessional work shall be assessed jointly by the internal and external examiners from amongst the panel approved by the University.
- d. Performance of Sessional / Viva-voce Examination shall be assessed on the basis of understanding of the principles involved and not on the basis of mere correctness or results and ornamental or colourful presentation.
- e. Drawings and reports / notes shall be manually prepared. Students may use computers for sessional work under the guidance of the teachers where nature of work is individual and stress is on content rather than skill. The work done by the students has to be authenticated for its originality by the concerned teachers.
- f. At all the examinations **except** for the SEMESTER X : ARCHITECTURAL PROJECT, external assessment shall be carried out by Internal teachers from other college in the University not teaching that or any other subject in the institute where the examination is being conducted.
- g. For tenth semester Architectural Project an external examiner means a professional not teaching in any of the colleges under University of Pune.
- h. Internal Examiner : Internal Examiner is one who is teaching that particular subject in the same/any other college under University.
- i. An Examiner for any of the subjects of examination from 1st year to 3rd. Year Architecture, shall have a minimum of 3 years teaching / professional experience in his/her field of study.
- j. An Examiner for any of the subjects of examination for 4th year and Final Year Architecture, shall have a minimum of 5 years teaching / professional experience in his/her field of study.
- k. To qualify for the External Examiner at the tenth semester Architectural Project, the professional shall have a minimum of five years professional experience.

Rule no.11 : PERFORMANCE INDICES

1. The semester end grade sheet will contain grades for the course along with titles and SGPA. Final grade sheet and transcript shall contain CGPA.
2. **SGPA** : The performance of a student in a semester is indicated by a number called the semester grade point average (SGPA). The SGPA is the weighted average of grade points obtained in all the courses registered by the student during the semester.

Semester Grade Point Average (SGPA) =

$$\text{SGPA} = \frac{\sum_{i=1}^p C_i G_i}{\sum_{i=1}^p C_i}$$

$$= \frac{\sum \text{Grade Points earned} \times \text{Credits for each course}}{\text{Total Credits}}$$

For example : Suppose in a given semester a student has registered for five courses having credits C1, C2, C3, C4, C5 and his / her grade points in those courses are G1, G2, G3, G4, G5 respectively,

Then the SGPA would be

$$\text{SGPA} = \frac{C_1 G_1 + C_2 G_2 + C_3 G_3 + C_4 G_4 + C_5 G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

SGPA is calculated up to two decimal places by rounding off.

3. **CGPA** : The CGPA is the weighted average of the grade points obtained in all the courses (theory /sessional /vivavoce) of **seventh, eighth, ninth and tenth** semesters. It is calculated in the same manner as the SGPA. It is calculated based upon the SGPA of the concerned semesters.

Rule no. 12: RESULT

Based on the performance of the student in the semester examinations, the Savitribai Phule Pune University will declare the results and issue the Semester grade sheets.

The class shall be awarded to a student on the CGPA calculated in rule no. 11(3). The award of the class shall be as per the table no. 3 below.

Table 3

Sr.No.	CGPA	Class of the degree awarded
1	7.75 or more than 7.75	First class with distinction
2	6.75 or more but less than 7.75	First class
3	6.25 or more but less than 6.75	Higher second class
4	5.5 or more but less than 6.25	Second class

Rule no. 13: EXEMPTIONS

In case a candidate fails in an examination but desires to appear again,

- a) Examinations will be held in Oct. / Nov. & Apr / May.
- b) He/ She may be exempted from appearing in the head/s of passing in which he/she has passed.
- c) The students failing to get minimum passing grade for aggregate in a year can also appear for the examinations (paper and/or sessional and/or sessional-vivavoce) to enhance their marks in maximum four heads.

Rule no. 14: INTRODUCTION OF THIS CURRICULUM.

The new curriculum for the Degree course in Architecture B.Arch will be introduced gradually as under:

- a) First Yr. B. Arch. course from June 2015
- b) Second Yr. B. Arch. course from June 2016
- c) Third Yr. B. Arch. course from June 2017
- d) Fourth Yr. B. Arch. course from June 2018
- e) Final Yr. B. Arch. course from June 2019

Note : The B.Arch. course introduced in June 2015 would be conducted by the University for 10 consecutive years since inception for the Students admitted between June 2015 to June 2019. However the student has to pass the first stage of this course in maximum five years since admission.

Rule no. 15: OTHER RULES.

University may frame additional rules and regulations or modify these regulations if needed and once approved by the University they would be binding on the students.

COURSE STRUCTURE

FIVE YEARS DEGREE COURSE

BACHELOR OF ARCHITECTURE

As per the Council of Architecture guidelines approx. 75% course curriculum is prescribed. While remaining may be as per the individual philosophy of the institute. A total of 40 periods (45 min duration) per week per term shall be conducted for the course. Out of these 36 periods are specified below. 4 periods per week are given to the institutions to orient the course as per their own philosophy. Intensive study as per the institution's philosophy may also be done in addition to the detail syllabus in each subject.

The periods considered for calculating the teaching load are of 45 min duration. The credit calculation is based upon 60 minutes amounting to one credit.

Considering the peculiarity of Architecture Education, the studio load is considered equal to the lecture load as one to one contact with the students is desirable and hence credits are calculated by considering full load of lecture and studio periods.

The detail structure of the syllabus for the ten semesters course is given below.

(Note : SS= Sessional work ; PP=theory Paper ; SV = Sessional + Viva voce)

FIRST YEAR B.ARCH. SEM. I

Code	Subject	Teaching Scheme Periods/Week		Examination Scheme				Total Marks	Credits
		Lecture	Studio	In Semester	Sessional	Oral	End Semester		
1201501	Design I	3	7	--	200	50	--	250	7
1201502	Building Technology & Materials I (SV)	3	4	30			70	200	5
1201503	Building Technology & Materials I (PP)				50	50			
1201504	Theory of Structures I (PP)	1	2	30			70	100	2
1201505	Arch Drawing & Graphics I	2	5	--	100	--	--	100	4
1201506	Humanities	2	1	--	50	--	--	50	2
1201507	Introduction to Architecture	2	1	--	50	--	--	50	2
1201508	Workshop I	1	2	--	50	--	--	50	2
		14	22					800	24

FIRST YEAR B.ARCH. SEM. II

Code	Subject	Teaching Scheme Periods/Week		Examination Scheme				Total Marks	Credits
		Lecture	Studio	In Semester	Sessional	Oral	End Semester		
1201509	Design II	3	7	--	200	50	--	250	7
1201501 0	Building Technology & Materials II(SV)	3	4	30			70	200	5
1201501 1	Building Technology & Materials II (PP)				50	50			
1201512	Theory of Structures II	1	2	30			70	100	2
1201513	Arch Drawing & Graphics II	2	5	--	100	--	--	100	4
1201514	History of Architecture I	2	1	--	50	--	--	50	2
1201515	Climatology	2	1	--	50	--	--	50	2
1201516	Workshop II	1	2	--	50	--	--	50	2
		14	22					800	24

SECOND YEAR B.ARCH. SEM. III

Code	Subject	Teaching Scheme Periods/Week		Examination Scheme				Total Marks	Credits
		Lecture	Studio	In Semester	Sessional	Oral	End Semester		
2201517	Design III	3	8	--	200	50	--	250	7
2201518	Building Technology & Materials III(SV)	3	4	30			70	200	5
2201519	Building Technology & Materials III(PP)				50	50			
2201520	Theory of Structures III	1	2	30			70	100	2
2201521	Building Services I (SS)	2	2		50			150	3
2201522	Building Services I (PP)			30			70		
2201523	History of Architecture II	2	1	--	50	--	--	50	2
2201524	Arch Drawing & Graphics III	2	3	--	100	--	--	100	3
2201525	Surveying & Levelling	1	2	--	50	--	--	50	2
		14	22					900	24

SECOND YEAR B.ARCH. SEM. IV

Code	Subject	Teaching Scheme Periods/Week		Examination Scheme				Total Marks	Credits
		Lecture	Studio	In Semest er	Sessional	Oral	End Semester		
2201526	Design IV	3	8	--	200	50	--	250	7
2201527	Building Technology & Materials IV(SV)	3	4	30			70	200	5
2201528	Building Technology & Materials IV (PP)				50	50			
2201529	Theory of Structures IV	1	2	30			70	100	2
2201530	Building Services II (SS)	2	2		50			150	3
2201531	Building Services II (PP)			30			70		
2201532	History of Architecture III	2	1	--	50	--	--	50	2
2201533	Technical Communication	1	2		50			50	2
2201534	Working Drawing I	2	3		100			100	3
		14	22					900	24

THIRD YEAR B.ARCH. SEM. V

Code	Subject	Teaching Scheme Periods/Week		Examination Scheme				Total Marks	Credits
		Lecture	Studio	In Semeste r	Sessional	Oral	End Semester		
3201535	Design V	3	8	--	200	50	--	250	7
3201536	Building Technology & Materials V(SV)	3	4	30			70	200	5
3201537	Building Technology & Materials V (PP)				50	50			
3201538	Theory of Structures V	1	2	30			70	100	2
3201539	Landscape Architecture I	1	3		50			50	2
3201540	Building Services III (SS)	2	2		50			150	3
3201541	Building Services III (PP)			30			70		
3201542	History of Architecture IV	2	1	--	50	--	--	50	2
3201543	Working Drawing II	2	2		100			100	3
		14	22					900	24

THIRD YEAR B.ARCH. SEM. VI

Code	Subject	Teaching Scheme Periods/Week		Examination Scheme				Total Marks	Credits
		Lecture	Studio	In Semester	Sessional	Oral	End Semester		
3201544	Design VI (SV)	3	8	--	200	50		350	7
3201545	Design VI (PP)			--	--	--	100		
3201546	Building Technology & Materials VI(SV)	3	4	30			70	200	5
3201547	Building Technology & Materials VI (PP)				50	50			
3201548	Theory of Structures VI	1	2	30			70	100	2
3201549	Landscape Architecture II	1	3		50			50	2
3201550	Building Services IV(SS)	2	2		50			150	3
3201551	Building Services IV (PP)			30			70		
3201552	Contemporary Arch Seminar	1	3	--	50	--	--	50	3
3201553	Elective I	1	2		50			50	2
		12	24					950	24

FOURTH YEAR B.ARCH. SEM. VII

Code	Subject	Teaching Scheme Periods/Week		Examination Scheme				Total Marks	Credits
		Lecture	Studio	In Semester	Sessional	Oral	End Semester		
4201554	Design VII	3	9		200	50		250	8
4201555	Advanced Building Technology and Services I	3	4		150	50		200	5
4201556	Professional Practice I	1	2	30			70	100	2
4201557	Urban Studies I	1	2		50			50	2
4201558	Research in Architecture I	1	2		50			50	2
4201559	Quantity Surveying and Estimation I	1	2	30			70	100	2
4201560	Specification Writing I	1	2	30			70	100	2
4201561	Elective II	1	1		50			50	1
		12	24					900	24

FOURTH YEAR B.ARCH. SEM. VIII

Code	Subject	Teaching Scheme Periods/Week		Examination Scheme				Total Marks	Credits
		Lecture	Studio	In Semester	Sessional	Oral	End Semester		
4201562	Design VIII	3	9		200	50		250	8
4201563	Advanced Building Technology and Services II	3	4		150	50		200	5
4201564	Professional Practice II	1	2	30			70	100	2
4201565	Urban Studies II	1	2		50			50	2
4201566	Research in Architecture II	1	2		50			50	2
4201567	Quantity Surveying and Estimation II	1	2	30			70	100	2
4201568	Specification Writing II	1	2	30			70	100	2
4201569	Elective III	1	1		50			50	1
		12	24					900	24

FIFTH YEAR B.ARCH. SEM. IX

Code	Subject	Teaching Scheme Periods/Week		Examination Scheme				Total Marks	Credits
		Lecture	Studio	In Semester	Sessional	Oral	End Semester		
5201570	Practical Training	--	--	--	150	50	--	200	8
		--						200	8

FIFTH YEAR B.ARCH. SEM. X

Code	Subject	Teaching Scheme Periods/Week		Examination Scheme				Total Marks	Credits
		Lecture	Studio	In Semester	Sessional	Oral	End Semester		
5201571	Architectural Design Project	4	16	--	350	100	--	450	12
5201572	Elective IV	1	2		50			50	2
		5	18					500	14

SAVITRIBAI PHULE PUNE UNIVERSITY

DETAILED SYLLABUS OF FIRST YEAR

[B.ARCH.]

TO BE IMPLEMENTED FROM 2015-16

**BOARD OF STUDIES IN ARCHITECTURE
FACULTY OF ENGINEERING**

DESIGN I

Design I			
Subject Code		1201501	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=3 Studio=7)	10	Sessional (Internal)	100
		Sessional (External)	100
		Viva (Internal)	25
		Viva (External)	25
		In semester exam	NIL
		End Semester exam	NIL
		Total Marks	250
		Total Credits	7

COURSE OBJECTIVES:

- To introduce the students to the fundamentals and principles of basic design and to enable them to undertake design by application of basic design principles.
- To comprehend Design as a creative process of choice making and statement of intent.

COURSE OUTLINE:

- Creation, creativity and motivation for architects. Relationship between visual aesthetics, design and creativity.
- Elements of Composition: Study of Point, Lines, Planes, Shapes, Material and Texture, Colour, Light etc.
- Principles of Composition: Alignment, Repetition, Pattern, Rhythm, Balance, Hierarchy, Focus, Axis, Emphasis, Juxtaposition, etc.
- Scale, proportion and anthropometry and spatial experience.
- Attributes of Form and Space, Forms in Nature, Platonic Forms, Derivative forms and transformation. Principles of Organization of Form & Space.
- Activation of space, Positive and Negative space; Relationship to location of composition with surroundings.
- Study and analysis of small scale built structure with respect to its context, comfort, function anthropometrical data, and space layout.

SESSIONAL WORK:

- Minimum 8 tasks based upon elements and principles of composition on A3 sheets and/or models.
- Minimum one simple spatial design exercise such as seating area in public space, bus shelter, kiosks, play area, entrance gate etc. demonstrating the application of the design principles and communicated effectively through two and three-dimensional hand done drawings, sketches and models.

RECOMMENDED READINGS

- Ching Francis D. K., Form Space and Order.
- Ching Francis D. K., A Visual Dictionary of Architecture.
- John R. Mather -Climatology: Fundamentals and Application.
- Christopher Alexander- Pattern Language.
- Robert Sommer. -Design Awareness.
- C.M. Deasy -Design for Human Affairs.
- Pierre Von Meiss -Elements of Architecture from form to place.
- Yatin Pandya- Elements of Space Making
- Paul Lassau – Graphic Thinking for Architects and Planners.

BUILDING TECHNOLOGY AND MATERIALS I

BUILDING TECHNOLOGY AND MATERIALS I			
Subject Code		1201502(SV) 1201503(PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=3 Studio=4)	7	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	25
		Viva (External)	25
		In semester exam	30
		End Semester exam	70
		Total Marks	200
		Total Credits	5

COURSE OBJECTIVES

- To help students understand the basic building elements, their function and behavior under various conditions with specific reference to load bearing construction.
- To help students to develop a clear understanding of the basic principles of construction and materials suitable for load bearing construction.
- To help students develop an analytical and logical sequence in thinking about structural aspects of architecture.
- To encourage a mix of classroom and field learning.

COURSE CONTENTS:

Unit 1

Introduction to various elements of building from foundation to roof.

Unit 2

2.1 Principles of load bearing construction.

2.2 Introduction to various building materials which are commonly used in load bearing construction like stone, brick, concrete blocks, mud blocks, etc. with reference to their characteristics, market forms, applications and common quality tests. Cement and cement mortar.

Unit 3

3.1 Different types of soils and bearing capacity, concept of bulb of pressure.

3.2 Strip Foundations suitable for load bearing structures in stone and brick up to plinth level including foundation for steps

3.2 Plinth formation, DPC.

3.3 Introduction to various tools and equipment commonly used in excavation.

Unit 4

4.1 Load bearing and non-load bearing masonry construction using various masonry materials, various types of masonry walls and bonds.

4.2 Study of types of arches and lintels, principles and terminology of arch construction, spanning of openings using brick and stone arches and lintels.

Unit 5

Various pointing and plastering techniques and their processes.

Unit 6

Introduction to types of earthquakes and earthquake resistant measures for load bearing construction.

SESSIONAL WORK

Hand drawn drawings on Units 3 and 4; Assignments on units 1, 2, 5 and 6.

RECOMMENDED READINGS

1. 'Elements of Structure' by Morgan
2. 'Structure in Architecture' by Salvadori
3. 'Building Construction' by Mackay W. B., Vol. 1 – 4
4. 'Building Construction' by Barry, Vol. 1 – 5
5. 'Construction Technology' by Chudley, Vol. 1 – 6
6. 'Building construction Illustrated' by Ching Francis D. K.
7. 'Elementary Building Construction' by Michell
8. 'Structure and Fabric' by Everet
9. 'Engineering Materials' by Chaudhary
10. 'Building Construction Materials' by M. V. Naik
11. 'Civil Engineers' Handbook' by Khanna
12. 'Vastu Rachan' by Y. S. Sane
13. National Building Code and I.S.I. Specifications
14. 'Materials and Finishes' by Everet
15. 'A to Z Building Materials in Architecture' by Hornbostle

THEORY OF STRUCTURES I

THEORY OF STRUCTURES I			
Subject Code		1201504	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1 Studio=2)	3	Sessional (Internal)	NIL
		Sessional (External)	NIL
		Viva (Internal)	NIL
		Viva (External)	NIL
		In semester exam	30
		End Semester exam	70
		Total Marks	100
		Total Credits	2

COURSE OBJECTIVES:

- To Introduce Applied Mechanics as an important Subject for Architecture.
- To Understand Different Systems of Forces and their Equilibrium and that a Building is a System of Forces in Equilibrium.
- To Introduce and Understand Concepts of Support, Support Reactions, Beams, Loads, Bending and Shear.

COURSE OUTLINE:

Unit 1. Forces.

1. Applied Mechanics, Statics and Dynamics. Importance of Study.
2. Forces, Definition, Effects, Different Systems, Principle of Transmissibility and Superimposition of Forces. Resolution and Composition of Forces.
3. Equilibrium of Concurrent Forces. Parallelogram, Polygonal & Triangular Law of Forces. Lami's Theorem. Analytical and Graphical Solution of Forces. Resultant and Equilibrant of a System of Concurrent Forces.
4. Equilibrium of Non Concurrent Forces. Varignon's Principle. Resultant of a system of noncurrent forces as in a beam.

Unit 2. Centre of Gravity.

1. Definition of Centre of Gravity and Centroid. C.G of Regular Shapes. Computing of C.G of complex Shapes limited to Standard Steel Sections like C, T, L, I and Compound Sections.

Unit 3. Moment of Inertia

1. Definition of Moment of Inertia and M.I of Standard Shapes. Parallel Axis Theorem, Perpendicular Axis Theorem, Radius of Gyration. Computing M.I of Complex Shapes Limited to C,T,L,I and Compound Sections using these Shapes.

Unit 4. Supports and Loads

1. Supports, Definition, Reactions offered by Simple, Fixed, Hinged and Roller Support.
2. Statically Indeterminate and Determinate Structures and Degree of Indeterminacy. Beams classified as Simply Supported, Cantilever, Over Hanging, Propped Cantilever, Fixed and Continuous.
3. Loads Classified as U.D.L, Point Load & Varying Load.
4. Loads Classified as Dead, Live, Wind, Snow, Seismic. Introduction to Densities of Material and Calculation of Dead loads on a Beam from slab, Brick work above to act as U.D.L and from a abutting beam as a Point Load
5. Support Reactions. For Simply Supported Beams and Cantilevered Beams only. Loading limited to Point Loads and U.D.L only.

Unit 5. S.F.D and B.M.D - 1

1. Shear Force and S.F.Diagram & B.M.D and B.M.Diagram for :: Simple Support with an U.D.L., Simple Support with a Central Point Load, Simple Support with an eccentric point Load, Cantilever with a full U.D.L, Cantilever with a Point Load.

Unit 6. S.F.D and B.M.D - 2

1. S.F.D and B.M.D of a Simple Supported Beam and Over Hanging Beams with U.D.L and Point Loads. Point of Zero Shear, Point Of Max S.F and B.M max. Point of Contra flexure.
2. Relationship between S.F.D and B.M.D.

RECOMMENDED READINGS

1. Design of steel structures-Vazirani – Rathwani.
2. Design of steel structures- L.S. Negi.
3. R.C.C. Design – Khurmi, Punmia, Sushilkumar.
4. Elements of Structures – Morgan.
5. Structure in Architecture – Salvadon and Heller.
6. Structure Decisions – F. Rosenthal.
7. Strength of Materials by Amol Dongre

ARCHITECTURAL DRAWING AND GRAPHICS I

ARCHITECTURAL DRAWING AND GRAPHICS I			
Subject Code		1201505	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=2 Studio=5)	7	Sessional (Internal)	50
		Sessional (External)	50
		Viva (Internal)	NIL
		Viva (External)	NIL
		In semester exam	NIL
		End Semester exam	NIL
		Total Marks	100
		Total Credits	4

COURSE OBJECTIVES:

- To introduce students to architectural drawing techniques and to the language of graphics, its vocabulary and grammar such as scale, annotations, labelling and dimensioning.
- To enable students to express simple three dimensional objects and building components through Technical Drawings, using various graphic projection systems such as orthography, Isometric and Axonometric projections.
- To introduce various techniques of sketching for recording, studying and communicating objects, buildings and building components.

COURSE OUTLINE:

Unit 1 Introduction to various drawing instruments and methods of employing them for technical drawing and sketching.

Unit 2 Introduction to graphic language and its components:

- Line types: meaning and application
- Architectural Lettering and dimensioning techniques
- Architectural annotations and conventions including representation of various building materials and building components
- Graphic scales and their application

Unit 3 Plane and Solid geometry:

- Introduction to graphical construction of various plane geometrical shapes.
- Introduction to various projection systems used in Architectural drawing; such as Orthographic, Isometric and Axonometric projections to draw and represent various three dimensional geometrical objects/forms including Section/s.

Unit 4 Scale Drawing:

- Scale drawing (plan/s section/s and elevation/s) of a simple building of sufficient size to demonstrate use of various metric scales, conventions and standard annotations.

Unit 5 Sketching:

- Introduction to architectural sketching using various mediums such as graphite pencil, charcoal, pens, markers etc.
- Principles of free hand sketching such as proportions, light and shade; with primary thrust on sketching of building elements and built environment.

SESSIONAL WORK:

- Sessional work should be planned to cover all the units mentioned in course outline with thrust on skill development, accuracy and understanding of the topic.
- Twenty five percent weightage in assessment should be given to the assignments of sketching
- Minimum of Eight manually drafted assignments to cover the course outline based on the following modules:

a	Architectural scales and annotations	2 to 3 Assignments
b	Orthographic (plan, section/s, elevation/s) isometric, axonometric projections of three dimensional objects and building components	5 Assignment
c	Scale drawing of building/s of sufficient size to demonstrate basic building components, standard annotations.	1 to 2 Assignments

RECOMMENDED READINGS

1. Ching Francis D.K.: Architectural Graphics
2. Kelsey W. E.: Geometrical & Building Drawing
3. Leslie Martin: Architectural graphics:
4. B. James: Essential of Drafting
5. H. Joseph and Morris: Practical plane and solid geometry
6. Gill Robert: Rendering with pen and ink
7. Burden Ernest: Architectural Delineation

HUMANITIES

HUMANITIES			
Subject Code		1201506	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=2 Studio=1)	3	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVE

- To introduce the students to the study of humanities and its importance in understanding of human settlements and architecture.

COURSE OUTLINE

- To introduce the disciplines of study such as anthropology, sociology, linguistics, philosophy, history, political science and understand their connection with understanding of architecture.
- To introduce the students to the aspects of human society, civilisation and culture.

SESSIONAL WORK

- The sessional work shall comprise of minimum one tutorial and two assignments.

RECOMMENDED READINGS

1. History of World Civilizations by J.E. Swain.
2. A Short History of the World – H.G.Wells
3. The Ascent of Man – J. Bronowski

INTRODUCTION TO ARCHITECTURE

INTRODUCTION TO ARCHITECTURE			
Subject Code		1201507	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=2 Studio=1)	3	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVES:

To introduce the students to the field of Architecture, its scope, and fundamentals.

COURSE OUTLINE

- Introduction to the profession of architecture and its distinguishing characteristics with respect to other professions, trades and businesses.
- Scope of Architecture as a discipline and Architect as a professional.
- Fundamentals of architecture- function, form and structure, and their integration.
- Generators of architectural design- site, function, circulation, context, structural system and materials, aesthetic principles, sustainability.

SESSIONAL WORK

- Minimum 3 individual assignments covering the generators of architectural design as mentioned above.

RECOMMENDED READINGS

1. Architecture : Form, Space and Order – F.D.K.Ching
2. Design fundamentals in Architecture – Prammar
3. A Visual Dictionary of Architecture - F.D.K.Ching

WORKSHOP I

WORKSHOP I			
Subject Code		1201508	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=2 Studio=1)	3	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVES:

- Introducing students to various materials and techniques used in making Architectural models.
- Enabling Students to make Architectural models for study and presentation.

COURSE OUTLINE:

- Introduction to various materials (such as paper, mount board, thermocol, foamboard, etc.) tools and techniques of architectural model making through construction of simple three dimensional objects and scaled building models.
- Models should preferably be co-ordinated with other subjects like 'Design', 'Building technology', 'Theory of Structure', 'History of Architecture and human settlement' etc.

SESSIONAL WORK:

- Sufficient number of assignments to cover the topics given below, with thrust on exploring maximum materials and techniques, understanding their appropriateness for the purpose and skill development.

a	Three dimensional objects	1 to 2 Assignments
b	Models based on Design projects	1 to 2 Assignments
c	Based on building technology topics	2 to 3 Assignments
d	Based on history of architecture and theory of structure	1 to 2 Assignment

RECOMMENDED READINGS

- John Taylor, Model Building for Architects and Engineers
- Rolf Janke, Architectural Models

DESIGN II

Design II			
Subject Code		1201509	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=3 Studio=7)	10	Sessional (Internal)	100
		Sessional (External)	100
		Viva (Internal)	25
		Viva (External)	25
		In semester exam	NIL
		End Semester exam	NIL
		Total Marks	250
		Total Credits	7

COURSE OBJECTIVES:

- To introduce the students to the iterative design process and various channels of creativity.

COURSE OUTLINE:

- To comprehend various design alternative processes like binary, cyclic, intuitive, bio-mimicry etc. and the importance of literature, humanities and case studies in the design process.
- To comprehend the symbiotic relationships between creativity, arts, crafts, environment, human spatial experience, structure with Design.
- Techniques of improving creativity in design such as brainstorming, mind maps, tree of possibilities, lateral thinking, matrix of ideas etc.
- Study of spaces: Positive and Negative Spaces, Human scale and user perception and experience of space.
- Activity & Spatial Relationship in terms of size, shape and volume of space; Concept of circulation and activity relationship diagrams.
- Study of a nearby rural, semi urban settlement / community for study, analysis and documentation of its built elements, open spaces and associated architectural character.

SESSIONAL WORK:

- Minimum 6 number of assignments to cover the study of forms and spaces and principles of organization, scale and experience, etc. on A3 size sheets and/or models.
- Graphic documentation and analysis of the settlement study with sufficient individual work contribution.
- One spatial/ building design projects with single use spaces approximately 150-200 sq.m such as café, reading hall, parking layout, tourist facility, public toilet etc. preferably in the context of settlement/community study carried out and communicated effectively through graphical drawings, two and three-dimensional sketches, models and narratives.

RECOMMENDED READINGS

1. Peter Pearce, Structure in Nature – Strategy for Design.
2. Peter Streeb, Patterns in Nature.
3. Anthony Antoniades - Poetics in Architecture: Theory of design.
4. Amheim Rudolf, Visual Thinking.
5. John R. Mather -Climatology: Fundamentals and Application.
6. Maxwell Fry And Jane Drew -Tropical Architecture.
7. Paul Lassau - Graphic thinking for Architects and planners.
8. Jonathan A. Hale -Building Ideas. An introduction to Architectural Theory.

BUILDING TECHNOLOGY AND MATERIALS II

BUILDING TECHNOLOGY AND MATERIALS II			
Subject Code		1201510(SV) 1201511(PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=3 Studio=4)	7	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	25
		Viva (External)	25
		In semester exam	30
		End Semester exam	70
		Total Marks	200
		Total Credits	5

COURSE OBJECTIVES

- To help students understand the basic building elements, their function and behaviour under various conditions with specific reference to timber construction.
- To help students to develop a clear understanding of the basic principles of construction and materials suitable for load bearing construction.
- To help students develop an analytical and logical sequence in thinking about structural aspects of architecture.

COURSE CONTENTSUnit 1

- Construction of reinforced masonry walls, pillars and lintels

Unit 2

- Study of building materials like bamboo, timber, timber derivatives, roofing materials for small span sloping roofs including Mangalore tiles with reference to their characteristics, market forms, applications and preservation, etc.

Unit 3

- Various types of timber panelled and flush doors
- Various types of timber windows
- Hardware and carpentry tools used for timber fashioning, especially for doors and windows

Unit 4

- Single and double floor construction for G+1 building.

Unit 5

- Timber stairs and construction of any one type of stairs.

Unit 6

- Construction of various types of roofs for spans up to 6m
- Introduction to timber roof truss, king post and queen post trusses, built-up trusses, forces in truss members
- Masonry vaults and domes

SESSIONAL WORK

Hand drawn drawings on Units 3, 4 ,5 and 6; Assignments on units 1 & 2.

RECOMMENDED READING

16. 'Elements of Structure' by Morgan
17. 'Structure in Architecture' by Salvadori
18. 'Building Construction' by Mackay W. B., Vol. 1 – 4
19. 'Building Construction' by Barry, Vol. 1 – 5
20. 'Construction Technology' by Chudley, Vol. 1 – 6
21. 'Building construction Illustrated' by Ching Francis D. K.
22. 'Elementary Building Construction' by Michell
23. 'Structure and Fabric' by Everet
24. 'Engineering Materials' by Chaudhary
25. 'Building Construction Materials' by M. V. Naik
26. 'Civil Engineers' Handbook' by Khanna
27. 'Vastu Rachan' by Y. S. Sane
28. National Building Code and I.S.I. Specifications
29. 'Materials and Finishes' by Everet
30. 'A to Z Building Materials in Architecture' by Hornbostle

THEORY OF STRUCTURES II

THEORY OF STRUCTURES II			
Subject Code		1201512	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1 Studio=2)	3	Sessional (Internal)	NIL
		Sessional (External)	NIL
		Viva (Internal)	NIL
		Viva (External)	NIL
		In semester exam	30
		End Semester exam	70
		Total Marks	100
		Total Credits	2

COURSE OBJECTIVES:

1. To Analyze the forces in a Frame.
2. To Study and analyze the stresses in various Building Elements like Columns and Beams.
3. To Study the deflection effect of loads on Beams.
4. To Study Combined Stresses on Eccentrically Loaded Columns and Apply the Same to the Design of Foundations of Load Bearing Walls.

COURSE OUTLINE.

Unit 1. Simple Stresses and Strains

1. Linear Stresses and Strains. Hooke's Law. Stress Strain Diagram for Various Materials. Lateral Strain, Poisson's Ratio, and . Elongation of Long Rods , Volumetric Strain, Bulk Modulus. Shear Stress. Modulus of Rigidity. Relationship between various Modulli. Composite Materials, Modulus Ratio and Equivalent Area e.g. R.C.C Column with Concrete and Steel.
2. Elastic, Plastic, Brittle and Ductile Materials. Yield Stress, Factor of Safety and Working or Permissible or Safe Stress.

Unit 2. Spanning Members.

1. Bending Stresses. Theory of Simple Bending. Assumptions, Flexural Formula, Stress Distribution across a Section and across the span of the Beam. Modulus of Resistance. Section Modulus and how M.R is proportional to square of depth.
2. Shear Stresses. Formula, Shear Stress Distribution across a Rectangular, Circular, T, C, L, I Section.

Unit 3. Deflection.

1. Deflection. Concept of Slope and Deflection. Double Integration Method and Derivation of Formula for a S.S Beam with Full U.D.L only. Formula for Deflection and Slope in the Standard cases (studied in Sem. I). Application in Problems.
 - a. Propped Cantilever. Use Deflection to Find Reactions in this case of a Statically Indeterminate Structure.

Unit 4. Combined Stresses

1. Compressive Members Subjected to Eccentric Loading. Stresses developed at four corners.
2. Middle third Rule, Kernel of a Column. Application of Middle Third Rule in Foundations.
3. Application of the theory to Chimneys.

Unit 5. Frames and Trusses.-1

1. Introduction of Trusses as a Building Element and Why Important.
2. Perfect and Imperfect Frames. Redundant Members.
3. Analytical Solutions. – Method of Joints, Method of Sections

Unit 6. Frames and Trusses.-2

1. Graphical Solution of Frames.

RECOMMENDED READING

1. Design of steel structures-Vazirani – Rathwani.
2. Design of steel structures- L.S. Negi.
3. R.C.C. Design – Khurmi, Punmia, Sushilkumar.
4. Elements of Structures – Morgan.
5. Structure in Architecture – Salvador and Heller.
6. Structure Decisions – F. Rosenthal.
7. Strength of Materials by Amol Dongre

ARCHITECTURAL DRAWING AND GRAPHICS II

ARCHITECTURAL DRAWING AND GRAPHICS II			
Subject Code		1201513	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=2 Studio=5)	7	Sessional (Internal)	50
		Sessional (External)	50
		Viva (Internal)	NIL
		Viva (External)	NIL
		In semester exam	NIL
		End Semester exam	NIL
		Total Marks	100
		Total Credits	4

COURSE OBJECTIVES:

- To enable the students to understand and express Composite three-Dimensional objects and buildings formed by additive and interpenetrated solids using various graphical projection systems including sections.
- To help the students understand the technique of graphical documentation of a built structure/environment through measured drawing/s.
- To enable the students to express their design ideas through various sketching techniques.

COURSE OUTLINE:

Unit 1 Solid Geometry:

- Understanding and drawing of composite and complex three dimensional objects formed by addition and/or interpenetration of various objects in various planes.
- Surface Development of various three dimensional objects.
- Orthographic projections of true shapes of sectional planes.

Unit 2 Measured drawing/ Scale Drawing:

- measured drawing (Plan/s Section/s Elevation/s and isometric/ axonometric view), drawn to appropriate scale, of a simple two storeyed building including a stairway and/or toilet.

Unit 3 Sketching:

- Free hand sketching to communicate design/concept sketches, Building construction details etc.

Unit 4 Introduction to CAD:

- Introduction to basics of Computer Aided Drawing with basic commands for Drawing, Modifications, Text and Annotations (dimensions) sufficient to construct simple geometrical shapes.

SESSIONAL WORK:

- Sessional work should be planned to cover all the units mentioned in course outline with thrust on skill development, accuracy and understanding of the topic.
- Twenty five percent weightage in assessment should be given to the assignments of sketching
- Minimum of Eight manually drafted assignments to cover the course outline based on the following modules:

a	Architectural scales and annotations	2 to 3 Assignments
b	Orthographic (plan, section/s, elevation/s) isometric, axonometric projections of three dimensional objects and building components	5 Assignment
c	Scale drawing of building/s of sufficient size to demonstrate basic building components, standard annotations.	1 to 2 Assignments

RECOMMENDED READINGS

1. Ching Francis D.K.: Architectural Graphics
2. Kelsey W. E.: Geometrical & Building Drawing
3. Leslie Martin: Architectural graphics:
4. B. James: Essential of Drafting
5. H. Joseph and Morris: Practical plane and solid geometry
6. Gill Robert: Rendering with pen and ink
7. Burden Ernest: Architectural Delineation

HISTORY OF ARCHITECTURE I

HISTORY OF ARCHITECTURE I			
Subject Code		1201514	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=2 Studio=1)	3	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVE

- To introduce student to architectural development with reference to time, space and people.

COURSE OUTLINE

- To introduce students to the historical architecture of various civilisations before 1 century CE. : Ancient Civilisations of Egypt, Mesopotamia, Indian sub-continent, China, and Mediterranean region.
- To sensitise students to the linkages between architecture and the socio- cultural, political, geographical and economic context with respect to the ancient civilisations.
- To familiarise students with noteworthy architectural production from the period under study and their significance.

SESSIONAL WORK

- At least 3 project based assignments including one tutorial.

RECOMMENDED READINGS

1. History of Architecture by Sir Bannister Fletcher.
2. History of Architecture by Spiro Kostof.
3. The Story of Western Architecture by Bill Risebero.

4. Indian Architecture (Vol. I & II) by Percy Brown.
5. History of Indian and Eastern Architecture by James Fergusson.
6. Hindu India by Henry Stierlin.
7. Islamic Architecture in India by Satish Grover.
8. The History of Architecture in India by Christopher Tadgell.
9. A History of Fine Arts in India and West by Edith Tomory.

CLIMATOLOGY

CLIMATOLOGY			
Subject Code		1201515	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=2 Studio=1)	3	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVES:

To understand climate as a determinant of architectural design and to enable the students to evolve climate responsive design.

COURSE OUTLINE

- Introduction to elements of nature, variables of climate (definitions, measurement and significance).
- Global climate, regional variations and microclimate.
- Climatic zones in India and respective traditional climate responsive architecture.
- Concept of heat exchange in buildings. Theory and concept of thermal comfort, comfort indices and its application to architectural design.
- Climate responsive design strategies like site planning, orientation, building form, shading, ventilation, materials and technology.

SESSIONAL WORK

- One individual design assignment related to design of openings with respect to their size, location, shading and ventilation.
- One individual study assignment each based on climatic responsive building from traditional and contemporary architecture.

RECOMMENDED READINGS

1. Climatology Fundamentals and application – John R Mather
2. Introduction to Climatology – Anthony Sealey.
3. Climatologically & Solar data for India – T. N. Seshadry.
4. Climatic Design – Watson Donald.
5. Manual of tropical housing and building – Koenigsberger & Ingersol.
6. Tropical Architecture – Maxwell Fry & Jane Drew
7. Design Primer for Hot Climate – Allan Konya
8. Sun, Wind and Light by G. Z. Brown.
9. Energy Efficient Housing by Mili Majumadar, Published by TERI.
10. Climatically Responsible Energy Efficient Architecture by Arvindkrishnan.
Housing Climate and Comfort by Martin Evans.

WORKSHOP II

WORKSHOP II			
Subject Code		1201516	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1 Studio=2)	3	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVES:

- Introducing students to various materials and techniques used in making Architectural models.
- Enabling Students to make Architectural models for study and presentation.
- To introduce computer aided 3D modeling.

COURSE OUTLINE:

- Introduction to materials such as balsa wood, plastics, cork and the techniques to make Architectural Models should preferably be co-ordinated with subjects like 'Design', 'Building Technology and Materials' etc.
- Introducing computer aided 3D Modeling of simple and composite objects.

SESSIONAL WORK:

- Sufficient number of assignments to cover the topics given below, with thrust on exploring maximum materials and techniques, understanding their appropriateness for the purpose and skill development.

a	Producing 2-dimensional drawing of small scale building using computer aided drafting softwares	2 Assignments
b	3-dimensional model of small scale building/ building construction details etc using softwares	2 Assignments

RECOMMENDED READING:

- Sandeep Singh, Beginning Google Sketch up
- Aidan Chopra, Sketchup-2014 for Dummies
- Chris Grover, Google Sketch up

SAVITRIBAI PHULE PUNE UNIVERSITY

DETAILED SYLLABUS OF SECOND YEAR

[B.ARCH.]

TO BE IMPLEMENTED FROM 2016-17

**BOARD OF STUDIES IN ARCHITECTURE
FACULTY OF ENGINEERING**

DESIGN III

Design III			
Subject Code		2201517	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=3, Studio=8)	11	Sessional (Internal)	100
		Sessional (External)	100
		Viva (Internal)	25
		Viva (External)	25
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	250
		Total Credits	7

COURSE OBJECTIVES:

- To comprehend Design as iterative process at various scales/ levels.
- To comprehend relationship between design, visual arts, building construction, climatology, building materials, structure etc and evolve a design solution.

COURSE OUTLINE:

- Aesthetical, functional (activity, user, space relation) , technical (construction and material) and environmental (climatic, socio-geographic) aspects of architectural design.
- Various sources for inspiration for architectural design such as nature, history, geometry, culture etc.
- Design projects to focus on multi-functional, multi-cellular built environments such as nursery school, library, canteen, house, primary medical centre, cresse, community hall, health club, hobby centre for children etc.

SESSIONAL WORK:

Minimum two Architectural design assignments with multi-cellular dual level spaces approximately 300-500 sq.m and communicated effectively through architectural graphics, two and three-dimensional sketches, models and narratives. Additional one eskee of short duration.

REFERENCE BOOKS

1. Antoniades, C. Anthony: Epic Space: Towards roots of Western Architecture.
2. Robert Sommer. -Design Awareness.
3. C.M. Deasy -Design for Human Affairs.
4. Christopher Alexander- Pattern Language.
5. Anthony Sealey, Introduction to Climatology.
6. Karen A. Frank and R. Bianca Lepori, Architecture from the Inside Out.
7. Heller Robert and Salvadori Mario, Structure in Architecture.

BUILDING TECHNOLOGY AND MATERIALS III

BUILDING TECHNOLOGY AND MATERIALS III			
Subject Code		2201518(SV) 2201519(PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=3, Studio=4)	7	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	25
		Viva (External)	25
		In-semester exam	30
		End Semester exam	70
		Total Marks	200
		Total Credits	5

COURSE OBJECTIVES

- To study various types of deep and shallow foundations used in various types of soils for framed construction
- To introduce students to medium span timber roofs between 6m to 12m.
- To understand basic principles of RCC construction
- To study other components of a building project

COURSE CONTENT

Unit 1

- Sheet roof coverings
- Different types of flooring and paving materials and finishes and preformed and in-situ techniques for the same.
- Cement Concrete- ingredients, admixtures and additives, manufacturing/ mixing properties, placing, curing, testing.
- Steel for reinforcement of concrete.
- All tools for reinforced cement concrete construction.

Unit 2

- Different types of foundations, shallow and deep foundations for different types of soils, foundation on sloping site, failure of foundations
- Introduction to the relevance of soil mechanics to foundation design

Unit 3

- Causes of dampness and necessity of damp- and water- proofing.
- Different methods or treatments of damp- and water proofing.
- Different materials used in damp- proofing including brick on edge, rough Shahabad stone, bitumen sheets, plastic sheets and other proprietary materials.

Unit 4

- Various types of sliding and folding doors
- Doors in non- timber materials
- Bay window

Unit 5

- Fencing and Gates- types, materials and techniques

Unit 6

- Principles of RCC
- Reinforced concrete construction process with mixing of concrete, transportation, form-work, laying of reinforcement, casting, deshuttering and curing.
- RCC frame structure for smaller spans

SESSIONAL WORK

- Hand drawn drawings on Units 2, 4 and 6; Assignments on units 1, 3, and 5.

RECOMMENDED READING

1. 'Elements of Structure' by Morgan
2. 'Structure in Architecture' by Salvadori
3. 'Building Construction' by Mackay W. B., Vol. 1 – 4
4. 'Building Construction' by Barry, Vol. 1 – 5
5. 'Construction Technology' by Chudley, Vol. 1 – 6
6. 'Building construction Illustrated' by Ching Francis D. K.
7. 'Elementary Building Construction' by Michell

8. 'Structure and Fabric' by Everet
9. 'Engineering Materials' by Chaudhary
10. 'Building Construction Materials' by M. V. Naik
11. 'Civil Engineers' Handbook' by Khanna
12. 'Vastu Rachan' by Y. S. Sane
13. National Building Code and I.S.I. Specifications
14. 'Materials and Finishes' by Everet
15. 'A to Z Building Materials in Architecture' by Hornbostle

THEORY OF STRUCTURES III

THEORY OF STRUCTURES III			
Subject Code		2201520	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=2)	3	Sessional (Internal)	Nil
		Sessional (External)	NIL
		Viva (Internal)	NIL
		Viva (External)	NIL
		In-semester exam	30
		End Semester exam	70
		Total Marks	100
		Total Credits	2

COURSE OBJECTIVES

1. To understand the concept of Buckling and Crushing in Columns.
2. To understand Fixity at supports and Concept of Continuity over supports and Negative Bending Moments
3. To understand the principles of Load Bearing Construction, Use of Arches and Lintels.
4. To Study the strength of one Material - Steel and the use of these material as Beams, and Columns or as members of a Truss.
5. Design By **Working Stress Method**

COURSE CONTENT

Unit 1 - Analysis of Columns

1. Euler's and Rankine's Theory for Buckling and Crushing Failure in Columns. Assumptions and Limitations. Concepts of End Conditions, Slenderness Ratio. No Derivations, Simple Problems only.

Unit 2 - Analysis of Fixed Beams and Continuous Beams

1. Fixed Beam as a statically in-determinate structure. Concept of Negative Bending Moment at supports. Fixed End Reactions (No derivations). Simple Problems with full u.d.l and one or two point Loads.
2. Continuous Beams. Concept of continuity over supports and Typical B.M.D to explain the negative B.M.D over supports. Enlist methods for computing B.M.D. Theory only. No problems.

Unit 3- Loading on Structures, Transfer of loads, Load Bearing Constructions.

1. Loads classified as Live Loads (as per occupancy), Dead Loads (Densities), Wind Loads (Wind Pressure Tables, Reversal of Stresses), Snow Load, and Seismic Loads. Loads Transfer from Slab to Beam to Columns to Footing. Beam Loads to Include Brick wall Loads.

2. Principles of Load Bearing Constructions. Load Transfer in Arches – Different Kinds of Hinged Arches. Load Transfer across Lintels. Theory only – No Problems.

Unit 4- Methods of Design –Working Stress Method

1. Explanation, Assumptions, Factors of Safety, Limitations. And Advantages.

Unit 5- Design of Steel structures

1. Introduction to I.S.800. (W.S. Method). Different Grades and Properties of Steel.
2. Steel Tables- Different Sections Available and their applications. Reading of Steel Tables.
3. Design of Steel Girders – Using I sections.
4. Design of Steel Stanchions – Using I Sections and C.
5. Design of Compression Member and Tension Members of a Roof Truss Using Angle Sections.

Unit 6- Connections in Structural Steel

1. Riveting, Welding, Bolting. Advantages and Disadvantages.
2. Numerical problems on welding and bolting only.

RECOMMENDED READING

1. Design of steel structures-Vazirani – Rathwani.
2. Design of steel structures- L.S. Negi.
3. R.C.C. Design – Khurmi, Punmia, Sushilkumar.
4. Elements of Structures – Morgan.
5. Structure in Architecture – Salvadon and Heller.
6. Structure Decisions – F. Rosenthal.

BUILDING SERVICES I

BUILDING SERVICES I			
Subject Code		2201521(SS) 2201522(PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=2, Studio=2)	4	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In-semester exam	30
		End Semester exam	70
		Total Marks	150
		Total Credits	3

COURSE OBJECTIVES:

To introduce students to following Building Services in low, medium and high rise buildings and inculcate in them the integration of services in architectural design. This term aims at following two services.

- Commonly used systems for Sewage, Sullage & and Garbage disposal
- Systems for hot and cold water supply in a building premises.

COURSE OUTLINE:

To introduce students to drainage systems i.e. collection, conveyance & disposal of sewage, sullage and Effluents from a building premises , including methods and equipments involved.

Introduction to storage , sourcing and distribution of hot and cold water in a building premises including the study of all components involved

Acquainting students to indoor lighting systems, natural and artificial. Introduction to electrical Installation in a building, from the supply company. Mains to individual outlet points, including all components and systems involved.

UNIT I Water supply - I

- 1.1 Tapping of water mains on street by means of ferrule
- 1.2 Storage and distribution of water in the premises
 - Sump / Suction tank, overhead water storage tank / pressure tanks, community over head water storage tanks.
 - Lifting of water from the sump / suction tank to the overhead water storage tank with the use of Pumps.
- 1.3 Pipes and piping network
 - Pipes made of materials commonly used that is Galvanized Iron , P.V.C., Copper etc.
 - Classification of pipes, specials used in the network , joinery. Installation of the network – open and concealed.
- 1.4 Various control valves

UNIT II Water supply - II

- 2.1 Taps, faucets and other fittings
 - Bib taps (ordinary, Screw down , half turn , quarter turn using ceramic disks) variations such as pillar taps , angle valves , shower roses etc.
 - Mixing units for wash-hand basins, kitchen sinks, shower units, baths etc. (Both of valve and diverter type and single lever type)
- 2.2 Flushing cisterns and flush valves.

UNIT III Hot Water Supply.

- 2.1 Systems of hot water supply using conventional and non conventional energy sources.
 - Direct systems, In-direct systems , components and equipments used for the same.
- 2.2 Circulation systems i.e. ring system, up feed systems , drop system etc.]
- 2.3 Insulation of piping and safety devices.

UNIT IV Drainage-I

- 4.1 Sanitary fittings – Water Closets (Indian and European) Wash down, double syphonic , floor mounted , wall hung etc.
 - Bidets
 - Wash hand Basins, Bath- Tubs.
 - Kitchen and laboratory sinks.
 - Urinals.
- 4.2 Traps: their uses and functioning.
 - 'p' , 's' , and 'q' traps for Water Closets.
 - Bottle traps, floor traps, gully traps, grease traps and disconnecting traps.
- 4.3 Pipes and piping network.
 - Single and double stack systems.
 - Materials of pipes – Cast iron , P.V.C. , A.C. Stoneware , R.C.C. etc. and their methods of jointing.
 - Specials- Jointing and installations.
 - Anti- Siphonage Pipes.

UNIT V Drainage-II

Underground Drainage

- Locations and use of appurtenances i.e. inspection chambers , manholes, disconnecting chambers, ventilating shafts , light shafts etc.
- Storm water drainage systems- Separate, combined, partially separate.
- Ventilation of building drainage system.
- Self cleansing velocity- Thumb rules for diameters and gradients of pipes in relation to self cleansing velocity.
- Laying of underground drainage systems.
- Testing of building drainage systems.
-

UNIT VI Sewage Treatment

Disposal within the Premises.

- Septic tanks, its function and design.

- Bio gas plants and their functioning.
- Effluent treatment tanks.
- Introduction to sewage treatment plants

SESSIONAL WORK

- Preparing drainage and water supply layouts of a building site with more than one building on the site based upon the theory learnt and supported with necessary calculations (70% weightage).
- Visits to construction sites and preparing site visit reports, market survey and finding out latest trends and new materials (30% weightage).

RECOMMENDED READING

1. Plumbing-Johnson A.
2. Sanitation, Drainage and Water Supply-Mitchell.
3. Environment and Services-Peter Burberry.

HISTORY OF ARCHITECTURE II

HISTORY OF ARCHITECTURE II			
Subject Code		2201523	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=2, Studio=1)	3	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In-semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVE

- To introduce student to architectural development with reference to time, space and people.

COURSE OUTLINE

- To introduce students to the evolution of architecture of Europe and its immediate surroundings from 1st century CE to 18th century CE.
 - Religious architecture under Christianity
 - Broad periods of European cultural history including Gothic, Renaissance, Baroque and Revival
- To sensitize students to the linkages between architecture and the socio- cultural, political and economic context of the period.
- To introduce students to the developments in technology and the subsequent effect on architecture.
- To familiarise students with noteworthy architectural productions from the period and their significance.
- To introduce students to the regional and temporal variations in archetypes and the rationale for the same.

SESSIONAL WORK

Two project based assignments and one tutorial AND.

Measure drawing and documentation of architectural components/ small building dating from the Colonial period in India.

RECOMMENDED READING

1. History of Architecture by Sir Bannister Fletcher.

- History of Architecture by Spiro Kostof.
- The Story of Western Architecture by Bill Risebero.
- Indian Architecture (Vol. I & II) by Percy Brown.
- History of Indian and Eastern Architecture by James Fergusson.
- Hindu India by Henry Stierlin.
- Islamic Architecture in India by Satish Grover.
- The History of Architecture in India by Christopher Tadgell.
- A History of Fine Arts in India and West by Edith Tomory.

ARCHITECTURAL DRAWING AND GRAPHICS III

ARCHITECTURAL DRAWING AND GRAPHICS III			
Subject Code		2201524	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=2, Studio=3)	5	Sessional (Internal)	50
		Sessional (External)	50
		Viva (Internal)	NIL
		Viva (External)	NIL
		In-semester exam	NIL
		End Semester exam	NIL
		Total Marks	100
		Total Credits	3

COURSE OBJECTIVES:

- To enable the students to communicate an architectural idea / proposal in a legible and effective manner through perspective projections, use of shades and shadows, and various architectural presentation and rendering techniques.
- To enable the students to generate simple architectural drawing using **CAD**

COURSE OUTLINE:

Unit 1 Perspective Drawing:

- Drawing one-point and two-point perspective of objects and buildings/ building components using various methods including grid method.
- Introduction to concept of bird's eye view, worm's eye view etc

Unit 2 Sciography: Principles of Sciography (shades and shadows) for 3-Dimensional objects and buildings on plans, elevation, isometric and perspective.

Unit 3 Presentation Techniques: Introduction to various mediums for architectural presentations in various drawing formats.

Unit 4 Sketching: Introduction to Sketching techniques using various mediums to capture spatial character (built or inbuilt)

Unit 5 Computer Aided Drawing: Advance commands in CAD such as Setting Drawing parameters, Layer controls, Hatching, Model and paper space settings etc
Draughting single building from Semester II Design on CAD

SESSIONAL WORK:

- Sessional work should be planned to cover all the units mentioned in course outline with thrust on skill development, accuracy and understanding of the topics.
- Minimum of Eight manually drafted and at least one CAD assignment to cover the course outline and based on the following modules:

a	One-point and two-point perspective (objects and buildings)	3 to 4 Assignments
b	Sciography of objects and buildings/ building components	3 to 4 Assignments
c	Demonstration of Presentation techniques in various drawing formats (Preferably with 'own Design Drawings')	2 to 3 Assignments
d	CAD drawings (Plan, Section/s Elevation/s) with layers and hatch.	1 Assignment

RECOMMENDED READING:

- Holmes John M. : Applied Perspective
- Themes and Hudson: Perspective for Architects
- Friedrich W. Capelle: Professional perspective drawing for Architects and Engineers
- Sha Publishing Co. Ltd.: Interior perspective in Architectural Design- Japan Graphics
- Japan Publishing Co: Modern Architectural Rendering best 180
- Japan Publishing Co: Perspective Drawings of Modern Architecture
- Japan Publishing Co: Air brushing in rendering
- Shankar Mulik: Perspective and Sciography

SURVEYING AND LEVELLING

SURVEYING AND LEVELLING			
Subject Code		2201525	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=2)	3	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In-semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVES

- To enable the students to get conversant with locating the object positions in horizontal and vertical plane with desired accuracy as needed for architectural profession.
- To prepare and interpret survey drawings.
- Every effort will be made to relate the practical and field work and make it appropriate for the profession of Architecture and execution of building projects. Students should be exposed to latest modern gadgets available for precise work in the field and also use of computer software in this subject.

DETAILED SYLLABUSUnit I

- Linear Measurements. Measurements in horizontal plane, survey stations, survey lines open and closed traverse, locating objects by chaining and offsetting, direct and indirect ranging, locating field boundaries and working out area of field, measuring distances with chain, tapes, ODM's ,EDM's, introduction to Total Station, survey accessories, measurements along sloping ground.

Unit II

- Chain Surveying: Base line, tie lines, check lines.

Unit III

- Directional and Angular Measurements. Magnetic and true meridian, Magnetic and true bearings, use of bearings, use of prismatic compass, calculation of included angles, Fore and back Bearings, declination plotting and adjustment of closed traverse

Unit IV

- Levelling: Dumpy level, auto and tilting level, principle lines of leveling instrument, axis of telescope, axis of bubble tube, line of collimation, vertical axis recording by collimation plane, method and rise-fall method, B.S/J.S/F.S, change point, level surface, horizontal surface, datum, Reduced Level/ elevation of a point, Bench Marks, GTS, PBM/ABM/TBM. Temporary Adjustments.

Unit IV:

- Contours: Characteristics, contour interval, direct and indirect methods of contouring, block contour surveys, profile leveling, longitudinal and cross sections, plotting the contours and profiles, gradient.

Unit V:

- Uses of Transit Theodolite. Measuring horizontal and vertical angles, calculation height of buildings, use of Theodolite as tachometer, tacheometric tables, interpolation of contours.

Unit VI:

- Plane Table Surveys; Accessories used in plane tabling, methods of locating objects, methods of table orientation, Advantages and disadvantages.

Unit VII:

- Use of Planimeter: Area of zero circle, calculating area of irregular shape figures.

SESSIONAL WORK

Based on field measurements sheet entered in field book :

- 1) Calculation of area of field(Chain and cross staff survey)
- 2) Compass Survey.
- 3) Plane Table Survey.
- 4) Block Contour Survey.
- 5) Profile Levelling.

DESIGN IV

Design IV			
Subject Code		2201526	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=3, Studio=8)	11	Sessional (Internal)	100
		Sessional (External)	100
		Viva (Internal)	25
		Viva (External)	25
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	250
		Total Credits	7

COURSE OBJECTIVES:

- To comprehend site specific stimuli through responses to physical, climate, visual, cultural contexts through indigenous construction, technology, building materials, structure etc.

COURSE OUTLINE:

1. Multiple layering of architectural space (without aid of mechanical means of vertical transport), its relationship with structure, technology and resultant built form; Concept of earthquake resilient structural systems for indigenous applications.
2. Attributes of Architectural character through application of indigenous materials, construction methods.
3. Function and space studies; defined user group specific perception of space; Concept of minimum and maximum limits of development wrt to foot print, building heights.
4. Concept of Passive solar responses; fenestration design.
5. Site analysis wrt to surroundings; zoning and activity distribution; Circulation and activity relationships through adjacencies, achieving performance integrity through functional adjacencies and elementary services of water and drainage.
6. Study and analysis of multicellular, multiple level (without aid of mechanical means of vertical transport), spaces by application of principles of functionality, climate, composition, and aesthetics.
7. Study of a Settlement of a semi urban type/ community in an urban location and the analysis and documentation w.r.t. lifestyle of occupants, climatic and topographical response, semipublic built and open spaces, and associated architectural character.

SESSIONAL WORK:

- Graphic documentation and analysis of the settlement study and along with a short written report with one design assignment related to the settlement studied.
- Minimum one architectural design project (other than the one mentioned above) with multicellular multi-level spaces such as primary school, hostel, sports facility, resorts, medical facility etc. approximately 1000-1200 sq.m. and effectively communicated through architectural graphics, two and three-dimensional sketches, models and narratives.

REFERENCE BOOKS

1. Jan Bilwa and Leslie Fairweather, editors, A.J. Metric Handbook.
2. DernstNeufert's Architect's data.
3. Walter Gropius, Total Architecture.
4. Giedion, Siegfried; Space, Time and Architecture.
5. Gibbered, Fredrick: Town Design.
6. David Gosling, Gordon Cullen – Visions of Urban Design.
7. David Robso, Geoffrey Bawa – the complete works.
8. Casa Scheer Brenda, The Evolution of Urban Form.

BUILDING TECHNOLOGY AND MATERIALS IV

BUILDING TECHNOLOGY AND MATERIALS IV			
Subject Code		2201527(SV) 2201528(PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=3, Studio=4)	7	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	25
		Viva (External)	25
		In-semester exam	30
		End Semester exam	70
		Total Marks	200
		Total Credits	5

COURSE OBJECTIVES

- To introduce students further to RCC frame construction and a basic understanding of ferrocement construction.
- To introduce students to different building materials related to RCC construction

COURSE CONTENT

Unit 1

- Ready mix concrete, light weight concrete

Unit 2

- RCC floor slabs: one-way, two way slabs, cantilever slabs, column- beam- slab junctions, toilet slabs, balcony slabs, canopies.
- Construction of various types of pre-cast and in-situ RCC stairs
- Introduction to ferrocement as a material and technique of construction.

Unit 3

- Types of elevators and escalators- installation process and detail.
- Construction of lift shafts and machine rooms.

Unit 4

- Windows in non- timber materials
- Water- proofing materials used in basement construction

SESSIONAL WORK

- Hand drawn drawings on Units 2, 3 and 4; Assignments on unit 1.

RECOMMENDED READING

16. 'Elements of Structure' by Morgan
17. 'Structure in Architecture' by Salvadori
18. 'Building Construction' by Mackay W. B., Vol. 1 – 4
19. 'Building Construction' by Barry, Vol. 1 – 5
20. 'Construction Technology' by Chudley, Vol. 1 – 6
21. 'Building construction Illustrated' by Ching Francis D. K.
22. 'Elementary Building Construction' by Michell
23. 'Structure and Fabric' by Everet

24. 'Engineering Materials' by Chaudhary
25. 'Building Construction Materials' by M. V. Naik
26. 'Civil Engineers' Handbook' by Khanna
27. 'Vastu Rachan' by Y. S. Sane
28. National Building Code and I.S.I. Specifications
29. 'Materials and Finishes' by Everet
30. 'A to Z Building Materials in Architecture' by Hornbostle

THEORY OF STUCTURES IV

THEORY OF STRUCTURES IV			
Subject Code		2201529	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=2)	3	Sessional (Internal)	Nil
		Sessional (External)	NIL
		Viva (Internal)	NIL
		Viva (External)	NIL
		In-semester exam	30
		End Semester exam	70
		Total Marks	100
		Total Credits	2

COURSE OBJECTIVES

1. To Study Wood as a Material.
2. To Study Limit State Method.
3. To Study Reinforced Cement Concrete as a Material.
4. To Design Simple Compressive and Flexural Members in R.C.C.

COURSE CONTENT

Unit 1.Wood by W.S Method

1. Introduction to I.S.883. Study of Wood as a Material. Different Grades Available
2. Design of a Wooden Flexural Member either as a Simple Supported Beam or a Cantilever with Simple Loading. Depths Limited to 300 mm. Design by Working Stress.
3. Introduction to Modification Factors and Form Factors in Design of Wood.

Unit 2 - Concrete Technology

1. Concrete Technology. I.S.456 – Different Grades of Concrete. Different Grades of Cement and Steel Used. Study of Cement, Sand, Aggregate and Water. Process of Concreting, Curing, Form Work and Stripping, Water Cement Ratio, and various other details, tests in brief.
2. Basic R.C.C section and terms like Effective depth, covers, Overall Depth. Covers for different R.C.C members.

Unit 3.Limit State Design

1. Concept, Various Limit States, Partial Factors of Safety. Characteristic Stresses and Loads
2. Assumptions, Limitations, Advantages and Disadvantages.
3. Stress Block Diagram for Flexural Members and Derivation of Formulae.
4. Combination of M20 Grade concrete and Fe 500 Steel.
5. Balanced, Under Reinforced, Over Reinforced Sections.

Unit 4.Design of Various R.C.C Members as per I.S.456

1. Span to Depth Ratios for various flexural members.
2. Concept of one way and two way slab. Importance of distribution steel in one way slab.
3. Design of One Way Slab for different live loads and floor finishes.
4. Design of Two Way Slab using Rankine Gashroff Method of load distribution/constants
5. Design of Singly Reinforced Beam with Shear Reinforcement.
6. Design of Chajja, and Cantilever Slabs.
7. Design of Short R.C.C Columns. Reduction factor for long R.C.C columns. I.S. Provisions. All Answers to include Schedules, and Typical Reinforcement Details.
8. Bond, Lap in Reinforcement, Development Length and Placing of Reinforcement. Theory only.

RECOMMENDED READING

1. Design of Steel Structures: Vazirani-Rathwani.
2. Design of Steel Structures-Negi.
3. R.C.C.Design –Khurmi, Punmia, Sushilkumar.
4. Elements of Structure –Morgan.
5. Structure in Architecture-Salvadori and Heller.
6. Structural Decisions-F.Rosenthal.

BUILDING SERVICES II

BUILDING SERVICES II			
Subject Code		2201530(SS) 2201531(PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=2, Studio=2)	4	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In-semester exam	30
		End Semester exam	70
		Total Marks	150
		Total Credits	3

COURSE OBJECTIVES

To introduce students to following Building Services in low, medium and high rise buildings and inculcate in them the integration of services in architectural design. This term aims at following two services.

- Lighting and electrification.
- Introduction to rainwater harvesting and alternative energy sources.

COURSE OUTLINE

UNIT I Waste Disposal.

- Collection and disposal of organic and in-organic waste
- Sacks, bins, grinders , incinerators , compactors and refuse chutes.
- Vermiculture and composting.

UNIT II Lighting:

- Indoor lighting- natural and artificial
 - Systems of lighting such as direct, indirect, diffused.
 - Applications of lighting systems with special reference to levels of illumination for various uses and lumen method calculations.
 - Light fittings.

UNIT III Electrification.

- Introduction to general distribution of electric power in urban areas, substations for small schemes in industrial units.
- Electrical installations in a building from the supply company mains to individual outlet points including meter board, distribution board, layout of points with load calculations.
- Electrical wiring systems for small and large installations including different materials involved
- Electrical control and safety devices – switches, fuse, circuit breakers earthing, lightning conductors etc.

SESSIONAL WORK

- Preparing electrical layout and lighting plan of a building interior supported with necessary calculations (70% weightage).
- Visits to construction sites and preparing site visit reports, market survey and finding out latest trends and new materials (30% weightage).

RECOMMENDED READING

- Daylight in Architecture-Benjamin Evans.
- Lighting in Buildings-Hapkinsen H.D.Kajr.
- Lighting in Architectural Design.-Derek Philips.
- BBC83 P[art VII, Section I, Lighting and Ventilation.

HISTORY OF ARCHITECTURE III

HISTORY OF ARCHITECTURE III			
Subject Code		2201532	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=2, Studio=1)	3	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In-semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVE

- To introduce student to architectural development with reference to time, space and people.

COURSE OUTLINE

- To introduce students to the evolution of architecture of the Indian sub-continent from 1st century CE to 18th century CE.
 - Architecture of the Buddhists, Hindus and Jains and its evolution with reference to regional and stylistic variations.
 - Architecture under Islam.
 - Evolution of form, technique and ornamentation, and regional and stylistic variations in Indian architecture
 - Architecture of Maharashtra in the 18th and 19th centuries.
- To sensitize students to the linkages between architecture and the socio- cultural, political and economic context of the period.
- To introduce students to the developments in technology and the subsequent effect on architecture.

- To familiarize students with noteworthy architectural productions from this period and their significance.
- To introduce students to the regional and temporal variations in archetypes and the rationale for the same.
- To study in detail extant examples from this period available in the region of the college.

SESSIONAL WORK

- At least 2 project based assignments and one tutorial AND
- Detailed measured drawing and documentation of one building/ complex dating from the above mentioned period.

TECHNICAL COMMUNICATION

TECHNICAL COMMUNICATION			
Subject Code		2201533	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=2)	3	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In-semester exam	NIL
		End Semester exam	NIL
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVES

- To equip the students to communicate effectively using various modes of communication such as graphical, textual, oral and help them to develop various soft skills.

COURSE CONTENT

- Writing skills : Formal letter writing, job applications, preparing a resume, reporting an event, précis writing, comprehension in English.
- Oral skills : Group discussions, giving a speech, appearing for an interview.
- Presentation skills : Presenting using power point presentation, graphical modes (sketching, 3D views).
- Body language, appearance, gestures, voice modulation, speech organization etc.
- Using various computer applications such as word processing, MS excel, photoshop etc.

SESSIONAL WORK

- Minimum 10 assignments to cover all the aspects of the course content mentioned above.

WORKING DRAWING I

WORKING DRAWING I			
Subject Code		2201534	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=2, Studio=3)	5	Sessional (Internal)	50
		Sessional (External)	50
		Viva (Internal)	NIL
		Viva (External)	NIL
		In-semester exam	NIL
		End Semester exam	NIL
		Total Marks	100
		Total Credits	3

COURSE OBJECTIVES

- To enable the students to prepare working drawings of an architectural project and imbibe the significance of working drawings from the point of view of execution of the work on site and as important component of tender documents.

COURSE CONTENT

- Introduction to the concept of working drawings and their importance.
- Graphical presentation of all the components of a building along with dimensioning and annotations.
- Understand and apply IS Codes and internationally accepted norms / conventions / methods of preparing a working drawing along with tabulation of schedules of materials, finishes and hardware.

SESSIONAL WORK

- One working drawing of an architectural design project having load bearing structure with minimum 100 sq. m. carpet area. (4 to 5 drawings).
- At least two details such as doors / windows / railings / kitchen otah etc. (1 drawing)

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

Third year 2015 Pattern

Semester V

Design V			
Subject Code		3201535	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week= 11 (lectures=3, Studio=8)		Sessional (Internal)	100
		Sessional (External)	100
		Viva (Internal)	25
		Viva (External)	25
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	250
		Total Credits	7

COURSE OBJECTIVES:

- Design of Campus comprising of more than one building and evolving design in response to the site, its characteristics and the context.
- Designing of buildings with different functions, requiring spaces of different scales and employing suitable structural systems.

COURSE OUTLINE:

- Designing in a different socio geographic context [other than where the institute is located].
- Undertake programming research to understand the socio-cultural patterns, geographic context and address the needs of the users and the site and evolve a sustainable design.
- Creation and design of open spaces within the campus.
- Study, analysis and synthesis of various design parameters in built-unbuilt spatial relationship.
- Conceptualizing services such as storm water management, locations of water tanks, sewage disposal system, etc.
- Introduction to functions requiring column free spaces and employing suitable structural systems.
- Modular planning, grid planning and coordination of various grids in plan and three dimensions.
- Time bound decision making and preparing sketch design.

SESSIONAL WORK:

- A major design project of duration 10-12 weeks of campus planning. Example : Residential school, Club, Institutional buildings, Home for the elderly, Community centre, Resort etc.
- A minor design project of duration 4-6 weeks which could be stand alone building on a site with a focus on two to three activities housed in one building with area not less than 1500 sq.m. Example : Diagnostic centre, Dining hall, Convenience shopping etc.
- One time bound project of duration around 12 hours. The typology and scale of the project can be decided by the college.

Important Note : At least one of the two projects [major or minor] mentioned above has to be in a different socio geographic context. The design has to be communicated through architectural graphics, two and three-dimensional sketches, models and narratives. All the design projects must have different sites.

REFERENCE BOOKS

It is strongly recommended that students refer books focusing on various building types, journals, magazines to widen their knowledge of design and the readings not to be limited to the list of books given below.

Correa, C. (2010). *A Place in Shade*. Delhi: Penguin Books.

Kanvinde, A., & Miller, H. (1969). *Campus Design in India*. Topeka: ostens/American Yearbook Co. .

Lynch, K. (1962). *Site Planning*. MIT Press.

Pandya, Y., & Foundation, V. S. (2007). *Elements of Space Making*. Ahmedabad: Mapin Publishing Pvt Ltd.

White, S. (1995). *Building in the Garden: Architecture of Joseph Allen Stein in India and California*. Delhi: Oxford India Paperbacks.

Building Technology and Materials-V			
Subject Code		3201537(SV), 3201536(PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=3, Studio=4)	7	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	25
		Viva (External)	25
		In-semester exam	30
		End Semester exam	70
		Total Marks	200
		Total Credits	5

COURSE OBJECTIVES:

- To understand the variations in frame structure with options of different types of slab like flat slab, ribbed and waffle slabs etc. along with pre-stressed RCC technology.
- To understand various structural system to be employed for long span structures.
- To introduce materials and technology of assembling interior elements like partitions, suspended ceiling, furniture units etc.

COURSE OUTLINE:

Unit-1: Characteristics, Properties and types of following materials and their application in interior elements.

- a) Wood, wood derivatives and other panel materials used for interior application.
- b) Finishing materials like laminates, veneers, plastics and metal sheets.
- c) Paints and varnishes.
- d) Hardware required for application to interior and furniture elements.

Unit-2: Various types of Reinforced Cement Concrete Flooring Systems for medium spans.

- a) Flat plate, Flat slab, Ribbed slab, Waffle slab, Band beam and slab.
- b) Pre-stressed slabs.

Unit-3: Partitions and Paneling

- a) Demountable Partition construction using proprietary and non-proprietary systems using all available materials.
- b) Proprietary and non-proprietary systems of paneling in timber, timber derivative materials plastic, metal and other materials.

Unit 4: Suspended Ceiling.

- a) Suspended Ceiling construction using proprietary and non-proprietary systems using all available materials.

Unit 5: Furniture Design and assembly using timber and other material along with finishing and upholstery.

Unit 6: Construction systems used for long span construction.

- a) Section/bulk active systems (beam structure, frame structure, slab structure)
- b) Vector active systems (portal frames, 2-D and 3-D trusses etc.)
- c) Surface active systems (Shell structures, folded plate structures etc)
- d) Form active systems (Tensile structures, Pneumatic structures, Arch structures etc.)

SESSIONAL WORK:

- Unit-1:** Compilation of market surveys in form of relevant hand drawn sketches, notes and tabulated information regarding; available types, commercial sizes, properties, unit of measurement, rates etc.
- Unit-2:** Sketches and notes in the journal.
- Unit-3:** Manually drafted scaled drawings of Partitions and Paneling using proprietary and non-proprietary systems of construction using various materials.
- Unit4:** Manually drafted scaled drawings of Suspended Ceiling using proprietary and non-proprietary systems of construction using various materials.
- Unit5:** Manually drafted scaled drawings of furniture units like Bed, Dining Table, etc. using various materials.
- Unit6:** Sketches and notes in the journal.

REFERENCE BOOKS

1. Ching Francis D.K. Building Construction illustrated. John Wiley & sons. 2014
2. National Building Code-2005 & ISI specifications for Materials and Methodology of Various Construction.
3. Technical Manuals of various manufacturing companies for proprietary systems of partitions, paneling and suspended ceilings.
4. Alan Everett, Yvonne Dean. Mitchell building series, Building materials and finishes. Routledge 2014
5. Mackay J.K. Building Construction vol.-1-4. Longman Scientific & Technical, 1988.
6. Barry. 'Building Construction' Vol. 1 – 5
7. Cudley. 'Construction Technology' Vol. 1 – 6

THEORY OF STRUCTURE V			
Subject Code		3201538(PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=2)	3	Sessional (Internal)	nil
		Sessional (External)	nil
		Viva (Internal)	nil
		Viva (External)	nil
		In-semester exam	30
		Semester exam.	70
		Total Marks	100
		Total Credits	2

COURSE OBJECTIVES:

1. To design complex RCC structural elements.
2. Different types of staircases.
3. Types of beams like doubly reinforced, 'T' and 'L'
4. Design of continuous equal span slab by I.S.456 factors.
5. Different structural elements like pre-stressed construction and flat slabs.
6. Columns in multistoried buildings.
7. Types of foundations and design of isolated column footing.
8. Need of retaining wall and design of gravity type retaining wall.

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

COURSE OUTLINE:**Unit 1: –Staircase Support Systems**

Numerical on Design of Dog Legged Staircase with Beams at Various Positions:

Theory only on Support Systems and Reinforcement Detailing in the following Cases

- a. Stringer Beams - End Stringer Beams with S.S Slabs Treads.
- b. Stringer Beams - Central Stringer Beams with cantilever Slab Treads.
- c. Folded Plate Staircases.
- d. Open Well Staircases.
- e. Spiral staircase
- f. Dog-legged Staircase with Various Beam Positions.

Unit 2: Design of Beams

- I. **Doubly Reinforced Beam** –Concept, Detailing, Need, Locations. **Numerical** on Design of Doubly Reinforced Beams
- II. **T Beams, L Beams / One Way Continuous Slabs:** Divisions of Larger Spaces into smaller one way or two way Slab Units by Using Intermediate Beams. T Beams and L Beams. I.S. Provisions for same.
 1. **Numerical** on Design of T Beams and L Beams - N.A position within flange.
 2. **Numerical** on Design of One Way Continuous Slabs - 3 equal spans using I.S.456 Coefficients
 3. **Theory only** on Design of Coffered Slab.

Unit 3: Column Design across Multiple Floors:

Design of Columns across Vertical Floors: Vertical Load Calculation, Change of Size, Change of Grades (not for problems), Change of Percentage of Steel.

1. **Numerical** on design of columns with change in size and percentage of steel.
2. **I. S. provisions for eccentrically loaded columns.**

Unit 4: Pre-stressed constructions and Flat Slabs:

1. **Pre-stressed Concrete:**
 1. Concept and Process of **Pre-tensioning and Post-Tensioning.**
 2. Advantages and Disadvantages over Conventional R.C.C Construction.
 3. Use of High Strength Concrete and Steel in Pre-Stressed Elements
 4. Methods of Pre-stressing - Freyssinet System
 5. **Numerical** on Extreme Fiber Stresses at Mid Span and End Span.
2. **Flat Slab Construction:** Concept of Large Beam less Spaces, Column Capitals, Header Beams
I.S.456 Provisions for Various R.C.C Elements

Unit 5: Foundations:

1. Shallow and Deep Foundations
2. Isolated Footings to Combined Footings to Strip Footings to Raft Foundations
3. **Foundations in Soil of low S.B.C** , Piles ,Group of Piles and Pile Caps, Reinforcement Detailing involved
4. **Numerical** on Design of **Isolated Footing** for Square and Rectangular Column, Pad Footing with One Way and Two Way Shear.
5. **Numerical** on Design of **Combined Footing** - Finding Dimensions in Plan only
6. **Theory only on** Design of Combined Footing - B.M.D and Reinforcement Detailing

Unit 6: Retaining Walls:

1. Need for **Retaining Wall**, Angle of Repose, Rankine's Theory for Active and Passive Earth Pressures. Types of Retaining Walls.
2. **Gravity Retaining Walls** - Height, Proportioning –**Numerical** on Stability Study for O.T.M, Sliding, Maximum and Minimum Pressure at Base

REFERENCE BOOKS

1. R.C.C. design – Khurmi, Punmia, Sushilkumar.
2. Design of steel structures- L. S. Negi., Vajrani-Ratwani.
3. Structure in Architecture – Salvadori and Heller.
4. Structural Decisions.- F. Rosenthal
5. I.S. 456, I.S. 800, I.S. 875, I.S. 1893, I.S. 13920

LANDSCAPE ARCHITECTURE I			
Subject Code		3201539(SS)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=3)	04	Sessional (Internal)	25
		Sessional (External) Viva	25 nil
		(Internal)	nil
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVES:

- To introduce the students to Landscape Architecture and its scope.
- To understand the elements and principles of landscape design and role of landscape elements in design of outdoor environments on the site.
- To introduce the students to various traditions in designed and vernacular landscapes.
- To develop understanding of site analysis and site planning and integrated design of open and built spaces.
- Creating awareness about using Landscape design as a tool to address environmental concerns in Architecture.

COURSE OUTLINE:

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

- Unit 1.** Introduction to Landscape Architecture and its scope ,elements(natural and manmade)and their application in achieving functional, aesthetic, environmental and cultural goals.
- Unit 2.** Introduction to Landscape history/traditions (Eastern, western, central) with emphasis on Indian Landscape traditions.
- Unit 3.** Study of Hardscape (civil work) details with respect to materials and construction techniques. This study should be conducted through visits to designed landscapes.
- Unit 4.** Study of Softscape (plant material), their characteristics and contribution in terms of creating and imparting character to outdoor spaces. This study should be conducted through site/ nursery visit with emphasis on native and naturalized species.
- Unit 5** Introduction to environmental concerns and sustainable site planning (rain water harvesting, solid waste management, passive climate control, etc)
- Unit 6.** Site analysis including understanding natural and manmade aspects (such as microclimate, topography, hydrology, vegetation), physical and socio-cultural context of the site. Introduction to basics of Site planning.
- Unit 7.** Relevance of Art in landscape design (Land art, art in public spaces, etc) for. Eg. works of Andy Goldsworthy, Richard Shilling, Walter Mason, Jim Denevan, Robert Smithson, Andrew Rogers,Dani Caravan, Simon Beck, Anish Kapoor, Neckchand, Subodh Kerkar.
- Unit 8.** Landscape design Project I- A small scale, theme based Landscape design project culminating into an idea/ concept generation/ 3D visualization that encourages creative thinking.

SESSIONAL WORK:

- Assignments that shall individually or comprehensively cover unit 1 – unit 5. Duration 10-12 weeks.

- Landscape design project with drawings, views, model (optional) holistically representing the concept and the design process .4- 6 weeks.

NOTE: It is expected that application of Unit 6 will be demonstrated in landscape design projects.

REFERENCE BOOKS

1. Mcharg, I, *Design with Nature*. John Wiley and co. 1978.
2. Jellicoe, G and Jellicoe, S, *The Landscape of Man*, London: Thames and Hudson, 1991.
3. Simonds, J .O, *Landscape Architecture: The Shaping of Man's Natural Environment*, N Y: McGraw Hill Book Co.Inc. 1961.
4. Lynch, K, *Site Planning*, Cambridge: The MIT Press, 1962.
5. Shaheer, M, Wahi Dua, G and Pal A (editors), *Landscape Architecture In India, A Reader*: LA, Journal of Landscape Architecture, 2013.
6. Lyall, S, *Designing The New Landscape*: UK:Thames and Hudson, 1998.
7. Dee, C, *Form And Fabric In Landscape Architecture: A Visual Introduction*, UK: Spon Press, 2001.
8. Eckbo, G, *Urban Landscape Design*, N Y: McGraw hill co. 1961.
9. Laurie, M, *An Introduction to Landscape Architecture*, N Y: American Elsevier Pub. Co. Inc. 1975
10. Rutledge, A J. *A Visual Approach to Park Design*. New York: John Wiley and Sons, 1985.
11. Randhawa, M S, *Flowering Trees*, New Delhi: National Book Trust, 1998.
12. Bose, T K and Choudhary, K, *Tropical Garden Plants in Colour*, Horticulture and Allied Publishers, 1991.
13. Krishen, P. *Trees of Delhi: A Field Guide*, Penguin India, 2006.
14. Mukherjee, P, *Trees of India (WWF Natures Guide)*, Oxford, 2008.
15. Sahni, K C, *The Book of Indian Trees (Bombay Natural History Society)*, Oxford, 1998.
16. Krishna, N and Amrithalingam, M, *Sacred Plants of India*, Penguin Books Limited, 2014.
17. Mottloch, J. L, *Introduction to Landscape Design*, US: John Wiley and Sons, 2001.
18. Dines, N and Harris, C, *Timesavers Standards for Landscape Architecture*, McGraw Hill Education, 1998.
19. Reid, G, L, *Landscape Graphics*, Watson-Guption, 2002.
20. Botkin, D. B and Keller, E. A, *Environmental Science: Earth As a Living Planet*, N Y: John Wiley And Co. 1995.
21. Grosholz, E, *The Poetics of Landscape Architecture*, University of Pennsylvania Press, 2010.

BUILDING SERVICES III			
Subject Code		3201540 (SS) 3201541(PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (Lectures = 2 Studio = 2)	4	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	nil
		Viva (External)	nil
		In-Semester exam	30
		End-Semester exam	70
		Total Marks	150
		Total Credits	3

COURSE OBJECTIVES:

- To comprehend building services as an inclusive part of architectural design process
- To obtain knowledge of technical and design aspects of natural ventilation and HVAC

COURSE OUTLINE:

- Technical and environmental aspects as principles of working, components, construction and materials of natural ventilation and HVAC system
- Functional and aesthetical aspects of services layout for comprehensive architectural design.

Teaching Plan:

Unit I: Natural Ventilation

- 1.1. Indicators for comfortable condition
- 1.2. Wind and stack effects, evaporative cooling
- 1.3. Examples (book/ on site): Implementation of various methods of natural and composite ventilation system in architectural design

Unit II: Mechanical ventilation

- 2.1. Forced ventilation system
- 2.2. Types of fans and blowers
- 2.3. Mounting, sizes and calculation of fans

Unit III: Air-conditioning system 1

- 3.1. Principles of air-conditioning system
- 3.2. Components of air-conditioning system

Unit IV: Air-conditioning system 2

- 4.1 Types of conventional systems of air-conditioning
- 4.2 Non-conventional systems of air-conditioning

Unit V: Air-conditioning 3

- 5.1 Air-conditioning layout calculation
- 5.2 Air-conditioning layout design

Unit VI: Air-conditioning 4

- 6.1 On site case study: Air-conditioning system

SESSIONAL WORK: (with marking scheme)

- Tutorials for four Units (I to IV): 25% marks
- Layout of air-conditioning (preferably architectural design of the earlier semester to be considered): 50% marks
- On site Case study: 25% marks

REFERENCE BOOKS

1. Tricomi, Ernest. *ABC of Air-conditioning*. 1970
2. Smith, Philips & Sweeney. *Environmental Science*
3. Daniels, Klaus. *Advanced Building Systems – A Technical Guide for Architects and Engineers*. Birkhauser, Boston. 2003
4. National Building Code of India

History of Architecture IV			
SubjectCode		3201542 (SS)	
TeachingScheme		ExaminationScheme	
TotalContact Periodsperweek (lectures=2, Studio=1)	3	Sessional(Internal)	25
		Sessional(External)	25
		Viva (Internal)	nil
		Viva (External)	nil
		In-semester exam	nil
		End Semester exam	nil
		TotalMarks	50
		Total Credits	2

COURSE OBJECTIVES:

- To understand the architecture and architectural discourse in the nineteenth and twentieth centuries and the various factors like industrialization, modernity, wars, global-local concerns, etc. that shaped it.
- To get acquainted with various important architectural works and the contribution and role of individual designers that distinctively marked the course of architecture in the nineteenth and twentieth centuries.

COURSE OUTLINE:

- The course intends to present architecture as a product of its times especially with reference to the salient socio- political, cultural, economic and technological markers of the nineteenth and twentieth centuries. It also intends to bring out the plurality of approaches as a response to the above contexts and examine the different strands of architectural practice and works that developed as a result.
- The study should include examples of architectural works and designers drawn from across the world wherever relevant and necessary while also emphasizing the happenings in India.
- The course should inculcate an analytical thinking about architecture, introduce various theoretical positions, and train the students to research and isolate a thought of their own.

Unit 1: Architecture of the Industrial Period

Revivalism

Introduction of steel and glass as new materials in architecture

New building types

Reactions to Industrialization: Arts and Crafts, Art Nouveau

Unit 2: Architecture of the Twentieth Century

Stylistic explorations: Expressionism, De Stijl, Art Deco, etc.

Influences like various manifestoes, congresses, writings, Bauhaus

Modernism and International style

Experiments and explorations around the world

Development of the high-rise

Influential Designers: Frank Lloyd Wright, Mies van der Rohe, Le Corbusier, Louis Kahn, etc.

Unit 3: Architecture of India

Colonial architecture: European Revivalist and Indian adaptations

Search for a National idiom: Claude Batley to G BMhatre

Indian Modernists: AchyutKanvinde, Charles Correa, BalkrishnaDoshi, etc.

Influence of Indian works of international architects

SESSIONAL WORK:

The sessional work shall comprise of individual/ group work of the students completed under the guidance of the subject teacher as follows:

1. Journal: Hand written notes and manually drawn sketches of relevant examples of most of the contents mentioned above. Journal is an individual work. 20 marks
2. Project work: An exploratory or critical report/ graphical presentation/ analytical models/ tutorials/ etc. based on any relevant topic from the contents mentioned above. Project work could be undertaken in groups such that the contribution of individual students in the group is identifiable. 30 marks

REFERENCE BOOKS

1. Bhatt, V., & Scriver, P. (1990). *Contemporary Indian Architecture- After the Masters*. Ahmedabad: Mapin Publishing.
2. Chhaya, N. (Ed.). *Harnessing the Intangible*. New Delhi: National Institute of Advanced Studies in Architecture.
3. Ching, F. D. (1997). *A Visual Dictionary of Architecture*. New York: Van Nostrand Reinhold.
4. Correa, C. (2010). *A Place in Shade*. Delhi: Penguin Books.
5. Curtis, W. (1988). *Balkrishna Doshi- An Architecture for India*. New York: Rizzoli International.
6. Curtis, W. J. (1996). *Modern Architecture Since 1900*. London: Phaidon Press.
7. Dhongde, S., & Sahasrabudhe, C. (Eds.). (2009). *Achyut Kanvinde*. Pune: BNCA Publication Cell.
8. Didee, J., & Gupta, S. (2013). *Pune - Queen of Deccan*. Pune: INTACH Pune Chapter.
9. Dwivedi, S., & Mehrotra, R. (2008). *Bombay Deco*. Mumbai: RMA Architects.
10. Ford, E. R. (1997). *The Details of Modern Architecture*. MIT Press.
11. Frampton, K. (1992). *Modern Architecture- A Critical History*. London: Thames and Hudson Ltd.
12. Jain, K. (2012). *Architecture- Concept to the Manifest*. Ahmedabad: AADI Centre.
13. Kagal, C. (Ed.). (1986). *Vistara- The Architecture of India*. Bombay: The Festival of India.
14. Kanvinde, A., & Miller, H. (1969). *Campus Design in India*. Topelka-rosiens/American Yearbook Co.
15. Lang, J., Desai, M., & Desai, M. (1997). *Architecture and Independence: The search for identity, India- 1880 to 1980*. New Delhi: Oxford University Press.
16. Pallasmaa, J. (2009). *The Thinking Hand : Existential and Embodied Wisdom in Architecture*. London: John Wiley and Sons Ltd.
17. Pandya, Y. (2013). *Concepts of Space in Traditional Indian Architecture*. Ahmedabad: Mapin Publishing.
18. Pandya, Y., & Foundation, V. S. (2007). *Elements of Space Making*. Ahmedabad: Mapin Publishing Pvt Ltd.
19. White, S. (1995). *Building in the Garden: Architecture of Joseph Allen Stein in India and California*. Delhi: Oxford India Paperbacks.
20. Wolfe, T. (1981). *From Bauhaus to Our House*. New York: Farrar Straus Giroux.

WORKING DRAWING II			
Subject Code		3201543(SS)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=2, Studio=2)	4	Sessional (Internal)	50
		Sessional (External)	50
		Viva (Internal)	Nil
		Viva (External)	Nil
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	100
		Total Credits	3

COURSE OBJECTIVES:

- To Introduce idea of Design Development and detailing and its relevance in converting 'concept design' to working drawing and hence the realization of design on site.
- To imbibe further the importance of working drawings as an essential tool for effective site execution and execution of a building contract.
- To expose to the standard methods, conventions, drawing annotations including International standards, IS codes, its application in working drawing set with material and component and schedules.

COURSE OUTLINE:

- Lecture demonstration/s to elaborate on standard practices, conventions, graphic annotations, sequencing and cross reference systems of a good working drawing set.
- Design development and detailing of own **design** to resolve the design idea to one which can be executed/ constructed, exposing students to construction parameters, limitation and sequencing.
- Generating a working drawing set for the **chosen design/ building** with framed/composite construction including schedules of material, finishes, components and accessories
- Developing and drafting details of Civil work and furniture including schedule of finishes

SESSIONAL WORK:

- Preparing a manually drafted/ CAD generated **working drawing** set of 'own design project' with carpet area not less than 250 Sq. M. and at least Ground plus one storied building having framed/composite construction. **The set to also include** at least two civil details out of following.

- I. Façade / skin of the building with fenestration and weather protection.
- II. Stairway, staircase
- III. Public Washroom

And

Any one detail related interior finishes/ custom made furniture of following

- IV. Floorings,
 - V. False ceiling
 - VI. Paneling or partitions
 - VII. Built in or stand alone furniture
- A rough folio comprising of design development drawings, sketches supporting the final working drawing set shall be retained by the candidate.

Third year 2015 Pattern

Semester VI

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

DESIGN VI

Design VI			
Subject Code		3201544(SV),3201545(PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week= 11 (lectures=3, Studio=8)	11	Sessional (Internal)	100
		Sessional (External)	100
		Viva (Internal)	25
		Viva (External)	25
		In-semester exam	nil
		End Semester exam	100 [12 hours duration – to be conducted 6 hours for two days en-lodge]
		Total Marks	350
		Total Credits	7

COURSE OBJECTIVES:

- Designing a building by stacking of different functions vertically and addressing various concerns such as coordinating various building services, vertical circulation, basement parking, and structural grids with introduction to disaster management design strategies/techniques and universal design.

COURSE OUTLINE:

- Introduction to various concerns of building design in an urban context on sites with limited areas there by necessitating multi storied buildings.
- Strengths and weaknesses of horizontal vis a vis vertical spatial arrangements in buildings.
- Study of buildings in which vertical arrangements are desired.
- Design and layering of different activity areas with different spatial scales.
- Coordination of various building services such as water supply, lifts, drainage, garbage disposal, lighting, air conditioning etc.
- Exposure to natural disaster management or disaster management through design mitigation.
- Exposure to Universal Design or Accessible Design concept.

SESSIONAL WORK:

- A major design project of duration 10-12 weeks of a building complex. Example : Hotel, Hospital, Office building, commercial complex, bus station etc.
- A minor design project of duration 4-6 weeks which could be stand alone building on a site with area not less than 1500 sq.m. It is recommended that the minor project may be programmed to integrate knowledge of art-architecture history, contemporary art-architecture movements learnt by the student in history / contemporary architecture seminar.
- One time bound project of duration around 12 hours. The typology and scale of the project can be decided by the college.

Important Note : At least one of the two projects [major or minor] mentioned above has to be in a different socio geographic context. The design has to be communicated through architectural graphics, two and three-dimensional sketches, models and narratives. All the design projects must have different sites.

REFERENCE BOOKS

It is strongly recommended that students refer books focusing on various building types, journals, magazines to widen their knowledge of design and the readings not to be limited to the list of books given below.

1. Correa, C. (2010). *A Place in Shade*. Delhi: Penguin Books.
2. Kanvinde, A., & Miller, H. (1969). *Campus Design in India*. Topeka: ostens/American Yearbook Co. .
3. Lynch, K. (1962). *Site Planning*. MIT Press.
4. Pandya, Y., & Foundation, V. S. (2007). *Elements of Space Making*. Ahmedabad: Mapin Publishing Pvt Ltd.
5. White, S. (1995). *Building in the Garden: Architecture of Joseph Allen Stein in India and California*. Delhi: Oxford India Paperbacks.

Building Technology and Materials-VI			
Subject Code		3201546(PP), 3201547(SV)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=3, Studio=4)	7	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	25
		Viva (External)	25
		In-semester exam	30
		End Semester exam	70
		Total Marks	200
		Total Credits	5

COURSE OBJECTIVES:

- To understand the construction of basement along with its waterproofing, provision for access and ventilation details. To understand the construction of different types of retaining walls and the detailing of the same.
- To understand issues and construction of earthquake resistant frame structures.
- To understand the concept of modular co-ordination and industrialized building construction along with precast technology.
- Introduction to steel structures and detailing of trusses and deck floors.

COURSE OUTLINE:

Unit-1: Characteristics, Properties and types of following materials and their application in buildings.

- a) Glass
- b) Metal & Metal alloys
- c) Plastics and rubbers
- d) Adhesives and sealants

Unit 2: Earthquake resistant frame structures.

1. Ductility and Rigidity of building and earthquake loads
2. Overview of earthquake resisting structural systems.
3. Application of Moment resisting frames, crossed braced frames and shear wall for Earthquake resistance structures.
4. Role of Floor and Roof Diaphragm in earth quake resistance.
5. Retrofitting and base isolation.

Unit-3: Single basement construction along with waterproofing details, alternative ways of providing and constructing access and provisions to be made for ventilation.

Unit-4: Retaining wall and its terminology (mass/gravity retaining, cantilever retaining, counter-fort retaining wall and precast retaining wall, etc.)

Unit 5: Steel structures -

- a) Structural steel sections, Built-up sections.
- b) Assembly of steels structure with trusses with north light truss (Industrial building)
- c) Multi-storey steel building assembly with stanchion, beams and metal deck flooring.

Unit 6: Modular co-ordination and Industrialized building construction, Planning and construction details.

1. Precast floor and roof construction along with the following systems developed by CBRI.
2. Floor and roof construction using partially precast planks and joist.
3. Floor and roof construction using precast Waffle unit.
4. Introduction to locally available proprietary Precast systems.

SESSIONAL WORK:

Unit-1: Compilation of market surveys in form of relevant hand drawn sketches, notes and tabulated information regarding; available types, commercial sizes, properties, unit of measurement, rates etc.

Unit-2: Sketches and notes in the journal.

Unit-3: Manually drafted scaled drawings of Single and multi-basement construction with various types of waterproofing Techniques. Information on materials and methodology for waterproofing should be included in the journal.

Unit4: Sketches and notes in the journal.

Unit5: Manually drafted scaled drawings of various steel trusses, north light truss etc with details of fixing of roofing sheets and sheet cladding. Details of multi-storied steel structure with construction of steel deck and steel staircase.

Unit6: Manually drafted scaled drawings of modular coordinated building using precast building components. Sketches and notes in the journal.

REFERENCE BOOKS

1. Central Public Work Department, Indian Building Congress. Handbook on Seismic Retrofit of Buildings. Narosa Publishing House. 2008 Andrew Charleson. Seismic Design for Architects: Outwitting the Quake. Elsevier Ltd 2008
2. Terri Meyer Boake. Understanding Steel Design: An Architectural Design Manual. Birkhauser Basel 2012.

3. Stephen Emmitt. Barry's advanced construction of buildings. Wiley, 2006
4. Central Public works Department CPWD), IBC, CEAI & CCPS. Guidelines on use of Glass in Buildings - Human Safety.
5. Mackay J.K. Building Construction vol.-1-4. Longman Scientific & Technical, 1988.
6. IS 7921 : Recommendations for modular coordination in building industry Horizontal coordination
7. IS 7922 : Recommendations for modular coordination in building industry Vertical coordination
8. M. M. Mistry. Modular coordination & prefabrication, Principles of Modular Coordination in building.
9. BMTPC. Standards & Specifications for Cost-Effective Innovative Building Materials and Techniques. BMTPC 1996

THEORY OF STRUCTURE VI			
Subject Code		3201548(PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=2)	3	Sessional (Internal)	nil
		Sessional (External)	nil
		Viva (Internal)	nil
		Viva (External)	nil
		In-semester exam	30
		Semester exam	70
		Total Marks	100
		Total Credits	2

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

COURSE OBJECTIVES:

1. Types of RCC retaining walls and their use.
2. Different types of liquid retaining structures and their structural detailing.
3. Design of Steel structure elements by L.S.M.
4. To Develop in Students the Feel for **Structural Principles** and their Relates to Building Design
5. To Develop in Students the Concept that **"Every Structure is a System that Forms the Space"** and the fact that **Architecture and Structure cannot be conceived independently.**
6. To Develop in Students the fact that Structural Engineering is a Specialist Discipline and that the Architect has to appreciate the consultant's concern and make an **informed** choice about the most appropriate Structural System for his Building with Reasonable Understanding of its **Economic and Operational Implications.**
7. To Develop in Students the Mathematical logic that would enable him to Design the Structural System for Ground +2I Storey R.C.C Structure and a medium span Factory Building in steel.
8. To instill in the Students a Confidence that they could develop and explore a Structural System of their own design and execute the same.

COURSE OUTLINE:

Unit 1: Retaining Walls

R.C.C Cantilever Retaining Wall - Proportioning and Need. **Numerical** on Stability and Design of Stem Reinforcement: **Theory only**. Detailing of Base Reinforcement, Shear Key, Retaining Wall without Toe and without Heel

1. **Counter Fort and Buttress type Retaining Walls** – **Theory only** on parts and Structural Action and Reinforcement Detailing
2. **Theory only** on Weep Holes and Effects of Surcharge on Retaining Walls

Unit 2: R.C.C Water Tanks and Portal frames: *Theory only*:

a. Water Tanks

1. Joints in Water Tanks, Minimum Percentage of Steel, Other Standards.
2. R. C.C. Circular Water Tank with Flexible and Rigid Joint between Wall and Base -Concept of Hoop Tension – Reinforcement Detailing.
3. R. C.C. Square and Rectangular Water Tanks -Reinforcement Detailing.
4. R.C.C. Under-Ground Water Tanks - Pressure Conditions -Reinforcement Detailing.
5. Over Head Water Tank - An Intze Tank - Parts and General Detailing

b. Portal Frames: *Theory only*:

1. Basic Concept - Rigid, Two Hinged and Three Hinged Portal Frames with B.M.D.
2. Advantages and Disadvantages of R.C.C Portal Frame - Detailing of Hinged and Pinned Column to Footing Junction.
6. Advantages and Disadvantages of Steel Portal Frame - Detailing of Hinged and Pinned Column to Footing Junction, Rigidity at Beam to Column Junctions.

Unit 3: Design of RCC structure:

- a) Total review of design of ground + two storied RCC building.
- b) Defining Structural system, different loads, Design sequence, transfer of load, actual design procedure.
- c) Understanding structural schedules and drawings.
- d) R.C.C Detailing- Diagrams from Schedules: Sketching Based on Given Schedule

Unit 4: Design of Steel Structures

1. Introduction to Limit State in Steel i.e. Plastic Design in Steel:

- a. **Theory only** on Yield Strength, Ultimate Strength, Partial Factors of Safety for Yield and Ultimate Strength, Shear, Load as per I.S.800 2007
- b. **Numerical** on Design on Steel Beams for Flexure, Shear and Deflection. Plastic Flexure Diagram, Z_p (Section Modulus Plastic). Classification of Sections as Plastic, Compact and Semi Compact.
- c. **Numerical** of Analytical type in Increasing the Strength of a Beam Section by adding Flange Plates.
- d. **Theory only** on Castellated Girders, Plate Girders and Gantry Girders.
- e. **Numerical** on Design of Stanchions in Limit State and **Analytical Numerical** on Stanchion with Flange Plates to Increase Their Strength:
- f. **Numerical** on Design of Compound Stanchions - Design and Analytical Problem.
- g. **Theory only** on Lacing and Battening Systems – I.S. Provisions – Need and Sketches.

h. **Theory only** on Moment Resisting Columns – for wind load and gantry load.

Unit 5: Elements of a Factory Building in Steel Structures:

- a) Total review of design of medium span factory building in steel.
- b) Structural systems, different loads, Design sequence, transfer of load, actual design procedure.
- c) Understanding structural drawings.

Unit 6: Advance structural systems for long span and high rise buildings

1. Long span structural systems like, cable structure, arches, shell, dome, vaults, folded plate, geodesic domes, space frames, tensile structure, fabric etc
2. Appropriate use of structural system in Architectural design.
3. Advantages and disadvantages of different systems.
4. High rise buildings structural system like Rigid frame, Framed truss, Framed tube, Tube in tube, Shear wall etc.

References :

1. R.C.C. design – Khurmi, Punmia, Sushilkumar.
2. Design of steel structures- L. S. Negi., Vajrani-Ratwani.
3. Structure in Architecture – Salvadori and Heller.
4. Structural Decisions.- F. Rosenthal
5. I.S. 456, I.S. 800, I.S. 875, I.S. 1893, I.S. 13920

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

LANDSCAPE ARCHITECTURE II			
SubjectCode		3201549(SS)	
TeachingScheme		ExaminationScheme	
TotalContact Periodsperweek (lectures=1, Studio=3)	04	Sessional(Internal)	25
		Sessional(External)	25
		Viva (Internal)	nil
		Viva (External)	nil
		In-semester exam	nil
		End Semester exam	nil
		TotalMarks	50
		Total Credits	2

COURSE OBJECTIVES:

- To study use of Landscape design as a tool to address environmental concerns in Architecture.
- Application of site planning principles in integrated design of open and built spaces.
- To study the work of Master Landscape Architects and their contribution to built environment.

COURSE OUTLINE:

- **Unit 1.** Study of Works of Master Landscape Architects like Humphrey Repton, Andre Le Notre, 'Capability' Lancelot Brown, William Kent, Sir Geoffrey Jellicoe, Fredrick Law Olmstead and Calvert Vaux, Ian Mcharg, Lawrence Halprin, Gertrude Jekyll, Edwin Lutyens, Dan Kiley, Luis Barragan, Bernard Tschumi, Peter Walker, Martha

Schwartz, Robert Burle Marx, Geoffrey and Bevis Bawa, Ram Sharma, Mohammad Shaheer, Ravindra Bhan, Prabhakar Bhagwat, etc. and contemporary landscape projects.

- **Unit 2.** Introduction to site services like lighting and water management to be integrated in the landscape design project II.
- **Unit 3.** Landscape design Project : Essentially related to III Year Architectural Design studio (sem V / VI) which demonstrates application of all studied theory units.

SESSIONAL WORK:

- Assignment based in the form of drawings /report/ presentation on theme based topics from Unit 1 wherein the students are encouraged to critically appraise the works of the landscape architects, understand various design approaches, undertake comparative studies, region specific design language etc. Duration 4-6 weeks.
- Portfolio comprising of drawings , views, model (optional) representing built and open space relationship, circulation (vehicular and pedestrian) parking, levels , schematic planting, schematic site services, material palette , nomenclature of outdoor spaces. All the theoretical aspects in Semester V and VI must be applied in this Landscape design Project II. Duration 10-12 weeks.

REFERENCE BOOKS

1. Mcharg, I, *Design with Nature*. John Wiley and co. 1978.
2. Jellicoe, G and Jellicoe, S, *The Landscape of Man*, London: Thames and Hudson, 1991.
3. Simonds, J .O, *Landscape Architecture: The Shaping of Man's Natural Environment*, N Y: McGraw Hill Book Co.Inc. 1961.
4. Lynch, K, *Site Planning* Cambridge: The MIT Press, 1962.
5. Shaheer, M, Wahi-Dua, G and Pal A (editors), *Landscape Architecture In India. A Reader*: LA, Journal of Landscape Architecture, 2013.
6. Lyall, S, *Designing The New Landscape*: UK:Thames and Hudson, 1998.
7. Dee, C, *Form And Fabric In Landscape Architecture: A Visual Introduction*, UK: Spon Press, 2001.
8. Eckbo, G, *Urban Landscape Design*, N Y: McGraw hill co. 1961.
9. Laurie, M, *An Introduction to Landscape Architecture*, N Y: American Elsevier Pub. Co. Inc. 1975
10. Rutledge, A J. *A Visual Approach to Park Design*. New York: John Wiley and Sons, 1985.
11. Randhawa, M S, *Flowering Trees*, New Delhi: National Book Trust, 1998.
12. Bose, T K and Choudhary, K, *Tropical Garden Plants in Colour*, Horticulture and Allied Publishers, 1991.
13. Krishen, P. *Trees of Delhi: A Field Guide*, Penguin India, 2006.
14. Mukherjee, P, *Trees of India (WWF Natures Guide)*, Oxford, 2008.
15. Sahni, K C, *The Book of Indian Trees (Bombay Natural History Society)*, Oxford, 1998.
16. Krishna, N and Amrithalingam, M, *Sacred Plants of India*, Penguin Books Limited, 2014.
17. Motloch, J. L, *Introduction to Landscape Design*, US: John Wiley and Sons, 2001.
18. Dines, N and Harris, C, *Timesavers Standards for Landscape Architecture*, McGraw Hill Education, 1998.
19. Reid, G, L, *Landscape Graphics*, Watson-Guptill, 2002.
20. Botkin, D. B and Keller, E. A, *Environmental Science: Earth As a Living Planet*, N Y: John Wiley And Co. 1995.
21. Grosholz, E, *The Poetics of Landscape Architecture*, University of Pennsylvania Press, 2010.

BUILDING SERVICES IV			
Subject Code		3201550 (SS) 3201551(PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (Lectures = 2 Studio = 2)	4	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	nil
		Viva (External)	nil
		In-Semester exam	30
		End-Semester exam	70
		Total Marks	150
		Total Credits	3

COURSE OBJECTIVES:

- To understand building services as integral part of comprehensive architectural design
- To obtain knowledge for fire safety measures and aspects of good acoustics and treatment in comprehensive architectural design

COURSE OUTLINE:

- Fire fighting: Active and passive criteria as norms, recommendations, components, and specifications of construction and materials used for fire-fighting system in a building
- Acoustics: Properties of sound, Technical aspects of acoustic layout for comprehensive architectural design.
- Comprehensive architectural design for both fire fighting and acoustics

Teaching Plan:

Unit I: Fire Fighting I

- 1.1. Fire triangle, Causes and spread of fire in buildings, fire resistance
- 1.2. Active control systems of fire: fixed and portable fire fighting equipments

Unit II: Fire Fighting II

- 2.1. Passive control of fire: fire safety codes, rules and regulations

Unit III: Acoustics I

- 3.1. Properties and defects of sound
- 3.2. Parameters for good acoustical condition of a room

Unit IV: Acoustics II

- 4.1. Noise control methods for air-borne and structure-borne noises
- 4.2. Acoustical materials and construction
- 4.3. Sound amplification system

Unit V: Acoustics III

- 5.1. Reverberation time calculation and recommendations for acoustical treatment
- 5.2. Acoustical treatment Layout design

SESSIONAL WORK:

- Tutorials for four Units (I to IV): 25% marks
- Reverberation Time calculations and recommendations for acoustical treatment with layout (preferably architectural design IV of the earlier semester to be considered): 50% marks
- Live case study: 25% marks

REFERENCE BOOKS

5. Leslie, Doelle. *Environmental Acoustics*. McGraw Hill. 1972
6. Kundsén, V.O. & Harris, C.M. *Acoustical designing in Architecture*. John Wiley. 1950
7. Egan, M. David. *Architectural Acoustics*. McGraw-Hill, NY. 1988
8. Mehta, Madan, Johnson, J., Rocafort, J. *Architectural Principles and Design*. Prentice_Hall, NJ. 1999
9. National Building Code of India

CONTEMPORARY ARCHITECTURE SEMINAR			
Subject Code		3201552 (SS)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=3)	4	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	-
		Viva (External)	-
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	50
		Total Credits	3

COURSE OBJECTIVES:

- To establish a critical and comprehensive viewpoint about the contemporary trends/approaches in architectural production in terms of design, practices, its perception, appreciation and critical discourses.
- To develop the ability in students to position themselves in today's time so as to be able to establish an argument and testify the same.

COURSE OUTLINE:

- Course aims at critical inquiry into the contemporary (post 1980s) thought processes involved in architectural production, its perception and appreciation.
- Seminar should encourage students to assess and establish their relevance and/or validity in today's context.
- Though it's a seminar course, subject teachers are advised to take introductory lectures about today's (post 1980s) trends, various critical discourses and current architectural issue so as to put students in the frame of critical thinking.

SESSIONAL WORK:

Each student to write a paper of about 1500-2000 words critically discussing or deliberating the current phenomenon in architecture especially related to its production and appreciation. Preferably paper should be focusing on local and regional issues in architecture. This paper to be presented at the end of the semester orally with the help of computer media as required.

Students should be encouraged to write this paper manually and to follow the formalities of writing a paper in terms of references and acknowledgements.

Students should be assessed primarily for the identification of issues, ability to take position and development of an architectural argument.

REFERENCE BOOKS

1. Hays, K. Michael. *Architecture Theory since 1968 (2000)*. MIT Press., Oct 1997, Feb. 2000.
2. Buchanan, Peter. *"The Big Rethink"*. The Architectural Review (AR), (Articles – December 2011, January to May 2012, July – September 2012, November 2012)
3. Leach, Neil. *Anaesthetics of Architecture*, MIT Press, 1999
4. Plasmas, Juhani. *The Eyes of the Skin: Architecture and the Senses*. Academy Press, 2 edition, 2005
5. Correa, Charles. *A Place in the Shade: The New Landscape and Other Essays*. Penguin Books India, 2010.
6. Mehrotra, Rahul. *Architecture In India: Since 1990*. Pictor Publishing, 2007.

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

ELECTIVE I – INTERIOR DESIGN			
Subject Code		3201553(SS)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1,Studio=2)	03	Sessional (Internal)	25
		Sessional(External)	25
		Viva	NIL
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVES:

- To enable students to comprehend relationship between Architecture and Interior Design as a Space making disciplines.
- To evolve understanding about thoughtful design of interior spaces & how it can increase efficiency and add depth and meaning to the built environment.
- To enable students to comprehend the connection that the subject of Interior design has with other Design Disciplines like Conservation, Preservation, Restoration, Sustainability, Art ,Product design and Graphic design.

COURSE OUTLINE:

Individual College may offer topics depending upon the availability of experts and resource material. The colleges will have the opportunity to focus on a particular group of topics according to the overall philosophy and mission statement of the College. The probable Interior Design elective topics are – [the list is only suggestive and individual colleges can frame newer topics which meet the course objectives].

- Exhibition Design
- Set Design
- Commercial & Office Space Design
- Residential Interiors
- Specialized interiors – Hospitals, Laboratories, Auditoriums, Gymnasiums.
- Furniture Design
- Product Design
- Graphic Design
- Retrofitting of Buildings

SESSIONAL WORK:

The faculty is expected to set out the broad contour and sub aspects (including basic principles, case studies, application in building projects etc.) of the particular elective and conduct input and demonstration interactions and define the nature of the sessional work to be done by the students.

The students are expected to present the work done in an **A4 report format of 20 pages**, to include summary of interactions and sessional work prescribed by the faculty with a signed certificate from the concerned Teacher / Expert stating that the study was carried out under his /her guidance and countersigned by the Principal / Academic coordinator.

Fourth year 2015 Pattern

Semester VII

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

DESIGN VII			
Subject Code		4201554 (SV)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week= 12 (lectures=3, Studio=9)	12	Sessional (Internal)	100
		Sessional (External)	100
		Viva (Internal)	25
		Viva (External)	25
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	250
		Total Credits	8

Course Objective

Subject aims at preparing the students to handle complex architectural issues at this stage addressing various challenges in terms of scale, complexity of functions, social economic context, traffic and vehicular movement and so on. Along with the challenges of physical issues, students are also now expected to address spatial and visual language of their project with reference to the urban context and setting of their site.

Course Outline

- Multifamily Residential Development with Focus on : Mixed Use Development, Development of Communities, Addressing Issues of Social Stratification v/s Inclusiveness, Identification of target Group/ End User's requirement, Relation of Location/ Land values on Defining the Housing Product, Project being part of the City, Context, Green Initiatives, Efficient Planning of Services Minimum Area 100 to 200 depending on Context and Complexity. Designed within parameters as laid out by Local Authority and NBC.
- One Esquee / Charette be undertaken in each of the Terms (One week Duration) exploring design solution for a project / component , ideas for which would help the Main Design project.

Submissions

The design has to be communicated through architectural graphics, two and three-dimensional sketches, models and narratives.

ADVANCED BUILDING TECHNOLOGY AND SERVICES I			
Subject Code		4201555 (SV)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week= 07 (lectures=3, Studio=4)	07	Sessional (Internal)	75
		Sessional (External)	75
		Viva (Internal)	25
		Viva (External)	25
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	200
		Total Credits	5

COURSE OBJECTIVES:

- To introduce advanced structural systems, materials and services required in buildings with complex and special requirements and enable the students to integrate the same in design.

COURSE OUTLINE:

Unit 1 .Multi-basements. Design and construction of multi-basements giving constructional details required for natural Lighting, ventilation and surface water disposal. Study of various methods of access to parking areas other than ramps. Drawings to include application of all required services. [Minimum four A1 drawings]

- Unit 2. Industrial Buildings. : Types of roofing systems, PEB systems, Proprietary systems, Industrial flooring.
Assignments. Drawings showing structural system, construction details and services in plan, section and elevation [minimum two A1 drawings]
- Unit 3. Swimming pools.
Design and construction of swimming pools (Olympic size, semi Olympic, leisure pools) and study of situations such as -- at ground level , podium level and upper / roof level with reference to all constructional and services details. [Minimum two A1 drawings]
- Unit 4 Study of long span structures [indoor stadia, railway / metro stations, shopping malls, sky walks etc] in RCC and Steel to understand structural behavior. Introduction of lighting and ventilation of spaces in such large buildings.
Assignment would comprise of Case study report and construction details in sketch form.

SESSIONAL WORK:

- Drawings / sketches / notes to be as mentioned in the course outline above. Computerized drawings may be allowed only when individual design / detailing is undertaken.

REFERENCE BOOKS

PEB manufacturer's details
Advanced Building Construction By MACKEY
Stadia by John Geraint

PROFESSIONAL PRACTICE I			
Subject Code :		4201556(PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week = 3 (Theory Lectures – 1 + studio -2)	03	Sessional (Internal)	Nil
		Sessional (External)	Nil
		In-semester exam	30
		End Semester exam	70
		Total Marks	100
		Total Credits	2

COURSE OBJECTIVES:

- To acquaint the Student with the Role and Stature of an Architect in Society, and understand the duties, responsibilities, liabilities and ethics as a professional.

- To acquaint the Student with the Scope and Avenues of professional Architectural services, and the demands and Mode of professional practice, and to prepare the Student for the professional field.
- To familiarize and prepare the Student with adequate knowledge of an Architect's office administration, documentation and procedures of office and site management to enhance his comprehension and utility during his professional training in the field in Semester IX.

COURSE OUTLINE :

- Unit 1 Introduction to the nature, scope and avenues of service and professional practice as an Architect. Define the Role of an Architect as a technical professional - who is not a Trader or a Businessman. Illustrate the changing nature of the Architects profession- Local & Global competition in the field.
- UNIT 2 The Architects Act 1972 - The Council of Architecture, its composition, legal status and mandate for to Registration of Architects and for monitoring the Academics and Profession of Architecture, Rules and Regulations of the Council regarding Professional Liabilities & Code of Conduct.
- Unit 3 Avenues of Professional service and mode and nature of professional Practice - Types of Organisations - Scope of comprehensive Services, Scale of Fees, and Office Management, Project management, Site supervision, Documentation, Taxation, Banking and Insurance.
- Unit 4 Architectural Competitions - Pros and Cons - with Rules and Regulations of the Council.
- Unit 5 Introduction to IIA, IIID, IUDI, ITPI, ISOLA and such professional organisations and the need for Architects to be aware, sensitive and active in Social and Civic issues in Urban context.

REFERENCE BOOKS :

- | | | |
|----|--------------------------------------|---------------------------------------|
| 1) | Handbook of Professional Documents | - Council of Architecture publication |
| 2) | The Architects Act, 1972 | - Govt. of India publication |
| 3) | Professional Practice | - By Roshan H. Namavari |
| 4) | Professional Practice in India | - By Madhav G. Deobhakta |
| 5) | Architectural Practice and Procedure | - By Vasant .S. Apte |

URBAN STUDIES-I			
Subject Code		4201557 (SS)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=2)	03	Sessional (Internal)	25
		Sessional (External) Viva	25 nil
		(Internal)	nil
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	50
		Total Credits	02

COURSE OBJECTIVES:

- To enable students to understand the urban context of an Architectural Project beyond the site and understand the implications of various factors (such as traffic-transportation, socio economics, urban landscape, spatial and visual aspects etc) influencing the development of an urban area.
- To introduce the students to urban planning and design theories and concepts and enable them to undertake planning and design of large scale land development.

COURSE OUTLINE:

- Introduction to urban studies and relevance of its learning in Architecture profession. Principles and theories of Urban Planning and Urban Design.
- Various aspects of urban land.
- Urban residential developments such as neighborhood planning, high-rise housing, slum rehabilitation, public housing, town planning schemes etc
- Affordable housing: introduction and concepts.

SESSIONAL WORK:

- **Handwritten journal** based upon the theory syllabus as above.
- **Assignments:**
 1. Subdivision of land for residential development (approx area 4Ha) –Individual submission (20 marks)
 2. Study of housing typologies as mentioned in course outline- Case study in a group of maximum 5 students (20 Marks)
 3. One Tutorial based upon course outline (10 marks)

REFERENCE BOOKS

1. Gallion, Arthur. **The Urban Pattern**. New Delhi: CBS Publishers and Distributors, 2003
2. Bacon, Edmund. **Design of Cities** London: Thames and Hudson, 1974
3. Paddison, Ronan. **Handbook of Urban Studies**. London: sage Publications, 2001
4. Correa, Charles. **Housing and Urbanisation**. London: Thames and Hudson, 2000.
5. Mohanty, Swati. **Slum in India**. New Delhi: APH Publishing Corp., 2005.
6. Jagdale, Rohit. **Slum Rehabilitation Schemes in Mumbai**. University of Texas 2014.

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

RESEARCH IN ARCHITECTURE I			
Subject Code		4201558 (SS)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=2)	3	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	-
		Viva (External)	-
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVES:

- To introduce students to Research in Architecture and its value in design
- To enable the students to prepare a research proposal.

COURSE OUTLINE:

- Unit I -- Introduction to the meaning and need of research in architecture. Introduction to various concepts such as types of variables, measurement of variables, sample selection, ethics in research.
- Unit II – Process of research – Methodology
- Unit III – Literature study

- Unit IV – Methods of research in architecture. Use of surveys, observations, experiments, secondary sources.

SESSIONAL WORK:

- Tutorial based on all of the above units
- Literature Review of at least 5 papers related to the topic of their choice.
- Research proposal giving details of aims, objectives, scope, limitations, methods, samples selected on the topic approved by the head of the institution.

NOTE:

- The guide must have minimum 5 years of teaching experience. Preferably a guide should not guide more than 8 students.
- It is desirable that the research seminar is presented in front of experts.
- It is beneficial to the students if the topic is related to the architectural design project of semester X.

REFERENCE BOOKS

1. Babbie, E. *The Practice of Social Research*. third edition. Belmont: Wadsworth Publishing Co., 1983. book.
2. Cresswell, J.W. *Research Design: Qualitative and Quantitative Approaches*. Thousand Oaks: Sage, 1994. Book.
3. De Vaus, D.A. *Surveys in Social Research*. Jaipur: Rawat Publications, 2003. Book.
4. Dey, I. *Qualitative Data Analysis: A User Friendly Guide for Social Scientists*. London: Routledge, 1993. Book.
5. Groat, L. & Wang, D. *Architectural Research Methods*. New York: John Wiley and Sons Inc., 2002. Book.
6. Kothari, C.R. *Research Methodology: Methods and Techniques*. New Delhi: Wishwa Prakashan, 2005. Book.
7. Michelson, William. *Behavioural Methods in Environmental Design*. Stroudsburg, Pennsylvania: Dowden, Hutchinson and Ross, Inc., 1982.
8. Nachmias, C.F. & Nachmias, D. *Research Methods in Social Sciences*. Great Britain: St. Martin's Press Inc., 1996. Book.
9. Patton, M.Q. *Qualitative Evaluation Methods*. Newbury Park: Sage Publications, 1980. Book.
10. Sanoff, H. *Methods of Architectural Programming*. Vol. 29. Dowden Huthinson and Ross, Inc., 1977. document.
11. —. *Visual Research Methods in Design*. USA: Van Nostrand Reinhold, 1991.

Quantity Surveying And Estimation - I			
Subject Code		4201559 (PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=2)	03	Sessional (Internal)	Nil
		Sessional (External) Viva (Internal)	Nil
		Viva (External)	Nil
		In-semester exam	30
		End Semester exam	70
		Total Marks	100
		Total Credits	2

COURSE OBJECTIVES:

- To Introduce Estimation as an important Subject for Architecture.
- To Understand Different methods of Computing Quantities for items of work in a structure.
- To enable students in working out quantities of various items of work for simple load bearing and R.C.C. framed structure and acquaint them with various types of estimates including standard method of measurement on building works and mode of measurements as adopted by I.S 1200.

COURSE OUTLINE:

- Unit I.** Introduction to Quantity Surveying and Estimating, Data for Estimate, Purpose of Estimating, Accompaniments of an Estimate, Qualities of an Estimator, Spot Items, Contingencies, Prime Cost & Provisional Sums, Provisional Quantities, Extra Items of work.
- Unit II.** Different types of Estimate their uses & Characteristics, Schedule of Quantities, Schedule of Rates & its uses, Stages of work, Complete Estimate of a Project, Methods of taking out Quantities, Measurement Sheet, Abstract Sheet, Bill of Quantities,
- Unit III.** Study of mode of measurement as stipulated in IS-1200, Classification of strata as per IS-1200, Trial pit data, Lift and Leads , Unit of Measurement.
- Unit IV** Bill certification, Part rate certification, Interim/Running Bill Certification,
- Unit V** Working out quantities for load bearing structure (below plinth only) of approximately 15-30 Sqm by offset and centre-line method illustrating L and T junctions and preparing measurement sheet and abstract for all items of work.
- Unit VI** Working out quantities for R.C.C. G+1 structure of approximately 150-200 sqm and preparing measurement sheet and abstract for all items of work.

REFERENCE BOOKS

1. *B.I.S 1200- Part-I 1992.* n.d.
2. Prof. B.N.Dutta, *Estimating and Costing in Civil Engineering.*
3. B.S.Patil. *Civil Engineering Contracts and Estimates.*
4. Dr. Roshan Namavati. *Professional Practice.*
5. Rangawala. *Estimating Costing and Valuation.*

Specification Writing I			
Subject Code		4201560 (PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (Lectures = 1 Studio = 2)	3	Sessional (Internal)	nil
		Sessional (External)	nil
		Viva (Internal)	nil
		Viva (External)	nil
		In-Semester exam	30
		End-Semester exam	70
		Total Marks	100
		Total Credits	2

COURSE OBJECTIVES:

- To acquaint students with methodology of writing specifications with reference to building trades, materials, workmanship & performance of different items of work.
- To know importance of specifications in contract document for any construction project.

COURSE OUTLINE:

- Techniques, Importance & methods of writing different types of specifications of different items of works in construction.
- Technical and functional role of specifications in any construction project.

Unit I: Specifications

- 1.4. Definition, need & importance of Specification writing
- 1.5. Relation with working drawing, bill of quantities, schedule of rates
- 1.6. Specification as a integral part of contract document

Unit II: Types of Specifications

- 2.1. Basic types like open, closed, restricted etc
- 2.2. Use of manufacturers guide
- 2.3. Combination of above types

Unit III: Specification writing (Workmanship)

- 3.1. Item-wise detailed specifications including methods
- 3.2. Forms of writing descriptive notes on material and workmanship based on working drawing

Unit IV: Specifications for construction works

- 4.2 Demolition work of existing buildings
- 4.2 Formwork

REFERENCE BOOKS

1. Indian Standard specifications
2. C.P.W.D. Specifications and schedule of rates
3. Specification Writing for Architects & Engineers, By Donald A. Watson
4. Specification Writing for Architects & Surveyors, By Arthur J. Wills
5. Estimating, Costing, Specification & Valuation, By M. Chakraborty

ELECTIVE II - DESIGN & TECHNOLOGY ELECTIVE			
Subject Code		4201561(SS)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week= 2 (lectures=1, Studio=1)	2	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	50
		Total Credits	1

COURSE OBJECTIVES:

The subject of Electives has been introduced in syllabus with specific intention of study of a particular subject of student's liking in greater detail but in the larger context of overall scope of Architecture syllabus at undergraduate level. This will give students an opportunity to develop their skills in a subject they may opt, to make their career in future.

The Design and technology elective aims at exploring the recent developments in the field of architecture from point of view of building design, services and construction. Aspects such as disaster resistance, accessibility, retrofitting, conservation, architectural design theory, can be addressed through these electives.

COURSE OUTLINE:

Individual College may offer topics depending upon the availability of experts and resource material. The colleges will have the opportunity to focus on a particular group of topics according to the overall philosophy and mission statement of the College. The probable elective topics are – [the list is only suggestive and individual colleges can frame newer topics which meet the course objectives].

- Universal Design
- Seismic Resistance design
- Services in High rise buildings.
- Design theory
- Architectural Conservation
- Computer & design
- Modular design
- Prefabricated & Precast construction
- Advanced Landscape Design

Note : The topics selected in this elective should not focus on any of the aspects of interior design.

SESSIONAL WORK:

The faculty is expected to set out the broad contour and sub aspects of the particular elective and conduct input and demonstration interactions and define the nature of the sessional work to be done by the students.

The students are expected to present the work done in an **A4 report format of 20 pages**, to include summary of interactions and sessional work prescribed by the faculty with a signed certificate from the concerned Teacher / Expert stating that the study was carried out under his /her guidance and countersigned by the Principal / Academic coordinator.

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

Fourth year 2015 Pattern

Semester VIII

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

DESIGN VIII			
Subject Code		4201562(SV)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week= 12 (lectures=3, Studio=9)		Sessional (Internal)	100
		Sessional (External)	100
		Viva (Internal)	25
		Viva (External)	25
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	250
		Total Credits	8

Course Objective

Subject aims at preparing the students to handle complex architectural issues at this stage addressing various challenges in terms of scale, complexity of functions, social economic context, traffic and vehicular movement and so on. Along with the challenges of physical issues, students are also now expected to address spatial and visual language of their project with reference to the urban context and setting of their site.

Course Outline [Project type 1 – one of the two options & Project type 2]

1. Study of Urban Areas in terms of Urban level issues like Mobility, movement network, builtform, disposition, character, identity, activities, open space, networks, walkability, inclusiveness, etc.

Community participation initiatives and analysis.

Identify issues related to above aspects at Neighbourhood level and offer design solutions for improving the status of the neighbourhood with reference to the above aspects. Setting up of Guidelines to achieve the master plan objectives and broad implementation strategy to achieve sustainable neighbourhoods.

The project shall include a Study area and Master Plan area of 2- 3 Ha. with detailed Architectural Resolution of a component/s admeasuring not less than 10000 to 20000 sqm Area of Functional space depending on Context and Complexity.

The Architectural project should evolve of the study of the Area and be an outcome of issue formulation, Development Plan proposals for the area if any and a subset of the overall Master Plan for the Area.

OR

1. Multi Functional Complex of Buildings or Speciality Building in an Urban Context with substantial Complexity addressing Issues of Character, Identity, Builtform, Contextuality, Advanced Services, Green Initiatives , landscape integration, traffic management with impact on immediate surroundings, structural resolution in detail. Building Quantum not less than 10000 to 20000 sqm Area of Functional space depending on Context and Complexity and appropriate plot Area. (eg. Healthcare facility, Educational Institution, 5 Star Hotel, Convention Centre, Multimodal Transport Hub, Shopping Mall and Multiplex, redevelopment project etc.).

Project should explore the Impact on the Surrounds and from the Surrounds with reference to the Urban Insert being proposed.

2. One Esquee / Charette be undertaken in each of the Terms (One week Duration) exploring design solution for a project / component , ideas for which would help the Main Design project.

Submissions

The design has to be communicated through architectural graphics, two and three-dimensional sketches, models and narratives.

ADVANCED BUILDING TECHNOLOGY AND SERVICES II			
Subject Code		4201563 (SV)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week= 07 (lectures=3, Studio=4)	7	Sessional (Internal)	75
		Sessional (External)	75
		Viva (Internal)	25
		Viva (External)	25
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	200
		Total Credits	5

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

COURSE OBJECTIVES:

- To introduce advanced structural systems, materials and services required in buildings with complex and special requirements and enable the students to integrate the same in design.

COURSE OUTLINE:

- Unit 1. Auditoriums - Design and construction of Auditorium of min capacity 500 with provision of a balcony and application of all required services.
All architectural drawings, framing plans and sections, showing all services and constructional detail for balcony [minimum four A1 drawings]
- Unit 2. Construction details of architectural features in design projects.
Assignment -- Complete details with reference to materials used and details of construction. Minimum five working details to an appropriate scale. [Minimum 3 A1 size drawing].
- Unit 3. Introduction to high rise buildings.
Behavior of high rise structures under different loading conditions. Understanding of structural systems for high rise structures. Assignment; Notes and sketches.
- Unit 4. Curtain walls-- Framing systems and construction details for a curtain wall.
Assignment -- Students shall study cases of curtain wall and prepare working details for the same. [minimum one A1 size drawing].

SESSIONAL WORK:

- Drawings / sketches / notes to be as mentioned in the course outline above. Computerized drawings may be allowed only when individual design / detailing is undertaken.

REFERENCE BOOKS

Advance building construction by MACKEY
 High Rise Buildings by JASWANT MEHTA
 Theatres and Auditoriums by Harold Burris- Meyer & Edward Cole.
 Architects Working Details

PROFESSIONAL PRACTICE II			
Subject Code :		4201564 (PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week = 3 [Lecture 1, Studio 2]	3	Sessional (Internal)	Nil
		Sessional (External)	Nil
		In-semester exam	30
		End Semester exam	70
		Total Marks	100
		Total Credits	2

COURSE OBJECTIVES:

- To acquaint the Student with the Role and Stature of an Architect in Society, and understand the duties, responsibilities, liabilities and ethics as a professional.
- To acquaint the Student with the Scope and Avenues of professional Architectural services, and the demands and Mode of professional practice, and to prepare the Student for the professional field.
- To familiarize and prepare the Student with adequate knowledge of an Architect's office administration, documentation and procedures of office and site management to enhance his comprehension and utility during his professional training in the field in Semester IX.

COURSE OUTLINE:

- Unit 1 Introduction to Construction Management - Types and Systems of Tendering - Open and Invited Tenders - Pre-Qualification and Empanelment procedures - Selection of Contractors.
- Unit 2 Introduction to Contracts - Articles of Agreement and Conditions of Contract (IIA document)
 Contents of a Tender - Terms of Reference - Specifications - Bill of Quantities - Billing,
 Measurement of work and Payments - Advances and recovery - Bonus and Penalties, etc ..
- Unit 3 Introduction to National Building Code - ISI Codes and Standards, Limits and Tolerances.
- Unit 4 Role of Architects in Construction / Site management - Supervision and monitoring of Speed, Quality and Economy - Status on project sites - Meetings, Minutes, Instructions & Records.
- Unit 5 General Introduction to the Role and Legal duties of Architects in Arbitration and Valuation.

SESSIONAL WORK : Preparation of a JOURNAL with NOTES based upon the syllabus content. Journal to be submitted at the end of Term-II for Internal and External Marking.

REFERENCE BOOKS :

- | | | |
|----|------------------------------------|---------------------------------------|
| 1) | Handbook of Professional Documents | - Council of Architecture publication |
| 2) | The Architects Act, 1972 | - Govt. of India publication |

- | | | |
|----|--------------------------------------|--------------------------|
| 3) | Professional Practice | - By Roshan H. Namavati |
| 4) | Professional Practice in India | - By Madhav G. Deobhakta |
| 5) | Architectural Practice and Procedure | - By Vasant .S. Apte |

Urban Studies-II			
SubjectCode		4201565 (SS)	
TeachingScheme		ExaminationScheme	
TotalContact Periodsperweek (lectures=1, Studio=2)	03	Sessional(Internal)	25
		Sessional(External	25
) Viva (Internal)	nil
		Viva (External)	nil
		In-semester exam	nil
		End Semester exam	nil
		TotalMarks	50
		Total Credits	02

COURSE OBJECTIVES:

- To introduce the students to the process of planning and urban development and associated legislation.
- To introduce the students to urban economics.

COURSE OUTLINE:

- Study of planning process in detail (Survey, analysis, proposals and development)
- Conservation and related Urban Design controls.
- Planning and Urban Design legislation- introduction and relevance
- Unified Building bye laws and Development Control rules of local authorities.
- Urban economics: introduction and concepts (demand and supply, housing finance, Government schemes and various bodies etc)

SESSIONAL WORK:

- **Handwritten journal** based upon the theory syllabus as above.
- **Assignments:**
 1. Reading of Urban fabric: Study of existing town and town planning proposals for municipal council level town-(group work) (20 marks)
 2. Identification of urban issues related to various aspects such as environment, society, traffic and transportation, hills and hill slopes, riverfront development, urban heritage conservation through primary surveys(group work in a group of 5 students) (20 marks)
 3. One Tutorial based upon course outline (10 marks)

REFERENCE BOOKS

Urban Pattern: Arthur Gallion
City in History: Lewis Mumford
Sprerigen, Paul. Urban Design: **The Architecture of Town and Cities**. Malabar,FL-USAKrieger Publishing Co., 1967
Lynch, Kevin. **The Image of The City** London: The MIT Press, 1960
Book of Development Control Regulations by Local Municipal Corporation (latest edition available)
Book of AITP Exam study material: 'Planning Law and Legislation' by ITPI New Delhi
Guide to Planning Surveys including Landuse Classification: TCPO, Govt of India: 2004

Housing and Urbanization: Charles Correa
 Garden Cities of Tomorrow: Sir Ebenezer Howard
 Maharashtra Regional and Town Planning Act, 1966
 Traffic and Transportation Planning by L.R. kadiali

Research in Architecture II			
Subject Code		4201566 (SS)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=2)	3	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	-
		Viva (External)	-
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	50
		Total Credits	2

COURSE OBJECTIVES:

- To enable students to undertake research focussed on an issue related to the built environment.
- To report research in a technical manner.

COURSE OUTLINE:

- Unit I Data collection and Analysis preferably with use of statistics
- Unit II Presentation of data using various techniques (verbal, visual, graphical, numerical)
- Unit III Technical writing
- Unit IV Presentation of a research paper in form of a seminar

SESSIONAL WORK:

- Tutorial based on units I to III.
- To undertake original research work on the research proposal prepared in Semester VII and report the research in form of a technical paper of 4000 words minimum.

NOTE:

- The guide must have minimum 5 years of teaching experience. Preferably a guide should not guide more than 8 students.
- It is desirable that the research seminar is presented in front of experts.
- It is beneficial to the students if the topic of research is related to the architectural design project of semester X.

REFERENCE BOOKS

Babbie, E. *The Practice of Social Research*. third edition. Belmont: Wadsworth Publishing Co., 1983. book.
 Cresswell, J.W. *Research Design: Qualitative and Quantitative Approaches*. Thousand Oaks: Sage, 1994. Book.

De Vaus, D.A. *Surveys in Social Research*. Jaipur: Rawat Publications, 2003. Book.

Dey, I. *Qualitative Data Analysis: A User Friendly Guide for Social Scientists*. London: Routledge, 1993. Book.

Groat, L. & Wang, D. *Architectural Research Methods*. New York: John Wiley and Sons Inc., 2002. Book.

Kothari, C.R. *Research Methodology: Methods and Techniques*. New Delhi: Wishwa Prakashan, 2005. Book.

Michelson, William. *Behavioural Methods in Environmental Design*. Stroudsburg, Pennsylvania: Dowden, Hutchinson and Ross, Inc., 1982.

Nachmias, C.F. & Nachmias, D. *Research Methods in Social Sciences*. Great Britain: St. Martin's Press Inc., 1996. Book.

Patton, M.Q. *Qualitative Evaluation Methods*. Newbury Park: Sage Publications, 1980. Book.

Sanoff, H. *Methods of Architectural Programming*. Vol. 29. Dowden Hutchinson and Ross, Inc., 1977. document.

—. *Visual Research Methods in Design*. USA: Van Nostrand Reinhold, 1991.

Quantity Surveying And Estimation - II			
Subject Code		4201567 (PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=2)	03	Sessional (Internal)	Nil
		Sessional (External) Viva	Nil
		(Internal)	Nil
		Viva (External)	Nil
		In-semester exam	30
		End Semester exam	70
		Total Marks	100
		Total Credits	2

COURSE OBJECTIVES:

- To enable students in working out quantities for items of plumbing and sanitation work in a structure.
- To enable students in working out quantities of various items of work for an Industrial structure and acquaint them for preparing rate analysis and indent of material.

COURSE OUTLINE:

- Unit I.** Introduction to Analysis of Rate, Factors affecting Rate of any Item of work, Importance of Rate Analysis, Essentials of Rate Analysis.
- Unit II.** Unit Rate, Direct Cost, Indirect Cost, Overhead Charges, Day Work, Task Work, Piece work, Indent of Material,
- Unit III.** Studying and Working out rate Analysis of minimum 20 numbers of standard items of work based on prevailing market rates.
- Unit IV** Studying and preparing Indent of Material of minimum 20 numbers of standard items of work.
- Unit V** Working out quantities for plumbing and sanitation items of work and preparing measurement sheet and abstract for all items of work.

- Unit VI** Working out quantities for Industrial structure of approximately 200-300 sqm with steel Truss and sheet roofing and preparing measurement sheet and abstract for all items of work.

REFERENCE BOOKS

- B.I.S 1200- Part-I 1992. n.d.
- Prof. B.N.Dutta, *Estimating and Costing in Civil Engineering*.
- B.S.Patil. *Civil Engineering Contracts and Estimates*.
- Dr. Roshan Namavati. *Professional Practice*.
- Rangawala. *Estimating Costing and Valuation*.

Specification Writing II			
Subject Code		4201568 (PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (Lectures = 1 Studio = 2)	3	Sessional (Internal)	nil
		Sessional (External)	nil
		Viva (Internal)	nil
		Viva (External)	nil
		In-Semester exam	30
		End-Semester exam	70
		Total Marks	100
		Total Credits	2

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

COURSE OBJECTIVES:

- To acquaint students with methodology of writing specifications with reference to service installations of different items of work in construction.
- To know importance of specifications in contract document for any construction project.

COURSE OUTLINE:

- Techniques, Importance & methods of writing different types of specifications of different items of works in construction.
- Technical and functional role of specifications in any construction project.

Unit I: Detailed Specifications

- 1.3. Checklist preparation

Unit II: Specification for Building Services

- 2.1. Water Supply & Drainage
- 2.2. Acoustics
- 2.3. Electrification
- 2.4. HVAC installation

Unit III: Building Trades

- 3.1. Different Building trades scope & contents

Unit IV: Broad outline specification for service installations

- 4.4. Communication systems- elevators, escalators
4.5. Accessibility- arrangements for disabled persons
4.6. Water proofing- cement, bitumen, polymer based
4.7. External development- roads, pavements, kerbs, lighting

REFERENCE BOOKS

- Indian Standard specifications
- C.P.W.D. Specifications and schedule of rates
- Specification Writing for Architects & Engineers, By Donald A. Watson
- Specification Writing for Architects & Surveyors, By Arthur J. Wills
- Estimating, Costing, Specification & Valuation, By M. Chakraborty

ELECTIVE III – ALLIED ELECTIVE			
Subject Code		4201569 (SS)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week= 2 (lectures=1, Studio=1)	2	Sessional (Internal)	25
		Sessional (External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In-semester exam	nil
		End Semester exam	nil
		Total Marks	50
		Total Credits	1

COURSE OBJECTIVES:

The subject of Electives has been introduced in syllabus with specific intention of study of a particular subject of student's liking in greater detail but in the larger context of overall scope of Architecture syllabus at undergraduate level. This will give students an opportunity to develop their skills in a subject they may opt, to make their career in future.

The allied elective gives opportunity to the students to explore links of design as a faculty with allied fields such as social sciences, visual art, performing arts, psychology, etc.

COURSE OUTLINE:

Individual College may offer topics depending upon the availability of experts and resource material. The colleges will have the opportunity to focus on a particular group of topics according to the overall philosophy and mission statement of the College. The probable elective topics are – [the list

is only suggestive and individual colleges can frame newer topics which meet the course objectives].

- Music and Architecture
- Environmental psychology
- Art movements and Architecture
- Sociology and Architecture
- Building Economics
- Biomimicry

SESSIONAL WORK:

The faculty is expected to set out the broad contour and sub aspects of the particular elective and conduct input and demonstration interactions and define the nature of the sessional work to be done by the students.

The students are expected to present the work done in an **A4 report format of 20 pages**, to include summary of interactions and sessional work prescribed by the faculty with a signed certificate from the concerned Teacher / Expert stating that the study was carried out under his /her guidance and countersigned by the Principal / Academic coordinator.

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

Fifth year 2015 Pattern

Semester IX

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

Practical Training		
Subject Code	5201570 (SV)	
Teaching Scheme	Examination Scheme	
Student should work for Total 120 working days in organization where architecture or its allied disciplines are practiced under supervision of a professional who is registered with COA India.	Sessional (Internal)	75
	Sessional (External)	75
	Viva (Internal)	25
	Viva (External)	25
	In-semester exam	NIL
	End Semester exam	NIL
	Total Marks	200
	Total Credits	8

Objectives:

- To undertake practical training under the guidance of experts / professionals.
- To Learn about architect's office management and learn about the process of design, execution and management of a project.

Course outline:

- Students should work in organization where architecture or its allied disciplines are carried under professional who is registered architect with COA
- In case a student undergoes Training at a firm outside India, the professional should be registered with the professional body governing practice in that country/ in addition to the registration with COA India.
- Total duration of Professional Training will be 120 working days in IX sem

Submissions :

- Prepare a separate report along with formal log book & work diary.
- Student should maintain week wise work record in a diary to summarize the work done in the office, site visits, meetings with clients, agencies, interaction with principal architect. This diary should be authenticated by the architect every week.
- Professionals should issue a certificate of performance to the student with respect to the work quality, overall approach, attitude towards office work.
- Students should produce report, log book, work diary & some drawings with permission from the employer [to indicate the kind of work s/he has carried out] at the time of sessional -viva voce examination.

Fifth year 2015 Pattern

Semester X

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

Elective IV			
SubjectCode		5201572 (SS)	
TeachingScheme		ExaminationScheme	
TotalContact Periodsperweek (lectures=1, Studio=2)	3	Sessional(Internal)	25
		Sessional(External)	25
		Viva (Internal)	NIL
		Viva (External)	NIL
		In-semester exam	nil
		End Semester exam	nil
		TotalMarks	50
		Total Credits	2

COURSE OBJECTIVES:

The subject of Electives has been introduced in syllabus with specific intention of study of a particular subject of student's liking in greater detail but in the larger context of overall scope of Architecture syllabus at undergraduate level. This will give students an opportunity to develop their skills in a subject they may opt, to make their career in future.

Architecture professionals will have to deal with more and more complex buildings as well as organizational structures to realize a project. Architects need to be introduced to "Management Concepts" if they are to manage projects right from design stage through the documentation and construction stage. Acknowledging the fact that the Architectural Practice is a team effort and understanding the necessity of management in this field, the following elective topics have been suggested.

Note: This elective will not focus on design and technology aspects of the topics offered.

COURSE OUTLINE:

Individual College may offer topics depending upon the availability of experts and resource material. The colleges will have the opportunity to focus on a particular group of topics according to the overall philosophy and mission statement of the College. The probable management elective topics are as follows:

- Project Management
- Construction Management
- Environment and Energy management
- Architectural Design Management

SESSIONAL WORK:

The faculty is expected to set out the broad contour and sub aspects (including basic principles, case studies, application in building projects etc.) of the particular elective and conduct input and demonstration interactions and define the nature of the sessional work to be done by the students.

The students are expected to present the work done in an **A4 report format of 20 pages**, to include summary of interactions and sessional work prescribed by the faculty with a signed certificate from the concerned

Teacher / Expert stating that the study was carried out under his /her guidance and countersigned by the Principal / Academic coordinator.

Guidelines for content for the electives

Construction Management

Human Resource Management in Construction
Contracts and Claims Management
Construction Materials, Stores and Inventory Control and Technology Management
Construction Equipment Management
Construction Quality and Safety Management
Construction Site Administration and Control
Introduction to Computer applications for construction management

Project Management

Soft Skills in Project Management
Project Risk Management
Project Cost Estimation and Cost Control
Contracts and Claims Management
Project Procurement and Materials Management
Project Quality and Safety Management
Introduction to Computer Application in Contract Management

Environment and Energy Management

Environment and Energy Policies and Management in Indian Context
Environment Technology Management-Water and Waste Management Technologies
Energy Management in Buildings (Demand and Supply Management)
Building Management Systems

Architectural Design Management

Design Management
Drawing and Documentation Management
Computer Applications for Design Management

Architectural Design Project			
SubjectCode		5201571 (SV)	
TeachingScheme		ExaminationScheme	
TotalContact Periodsperweek=20 (lectures=4, Studio=16)	20	Sessional(Internal)	175
		Sessional(External)	175
		Viva (Internal)	50
		Viva (External)	50
		In-semester exam	nil
		End Semester exam	nil
		TotalMarks	450
		Total Credits	12

OBJECTIVE: To provide an opportunity to the students to apply the **knowledge gained** in earlier years to full-fledged Architectural Design project of student's choice with a holistic approach including background research, programme formulation, site selection investigations and design demonstration.

COURSE OUTLINE: The Architectural Design Project shall consist of **Design Demonstration** i.e. formulation of design programme, site investigation and selection, and culmination in architectural design proposal.

TOPIC FOR ARCHITECTURAL PROJECT: The topic for the project shall be approved by the Institute and guided by the Faculty. The student may consult external resource persons specializing in the chosen topic but the assessment shall be done by the faculty. **A guide** may guide upto EIGHT students during the session. In order to qualify to work as a Guide, the faculty must possess minimum of **ten YEARS** of teaching / professional experience.

SESSIONAL WORK:

The portfolio of the work submitted by the student shall contain MANUALLY LABOURED / COMPUTER GENERATED drawings **of sheet sizes as per international standards** and a PHYSICAL MODEL explaining the architectural proposal. Alongwith the drawings A4/A3 size report consisting of the background and rationale of the project, the methodology and the prints of the final proposal shall be submitted after the oral examination, to be kept in the library of the college. The choice of the size of the report is left to the institute, however, within one institute report size should be constant.

In addition the student may show other presentations like 3D views, walkthroughs etc. if permitted by the examiners.

SESSIONAL ASSESSMENT:

The Internal assessment of architectural project shall be carried out STAGE WISE as decided by the college. The final assessment in the examination shall be done by both Internal and External examiner in which the student shall display the work on the space allotted to him/her and explain his work and answer all the queries raised by the examiner.

The examiners shall assess the work done and presented by the student, duly approved by the Faculty. The drawings and models, duly stamped and signed by the Faculty shall be treated as authentic work done by the student under the guidance of the Faculty. The student may submit sufficient number of drawings required to satisfactorily explain the project. The student shall also present a separate portfolio of study & process sheets, study models etc.

ORAL EXAMINATION : The oral shall be held in the physical presence of the student in **examination centre of the candidate** jointly by the internal and external examiners. The student shall be allowed to present his project for minimum 10 minutes without any interruption. The student shall be judged for the depth of understanding of the subject and clarity of graphical presentation of the project.

RECOMMENDED READING:

All books relevant to the topic of the architectural project.

**Equivalence of Subjects for the First year of the
2008 and 2015 pattern syllabus of B.Arch.**

The syllabus 2008 pattern for B.Arch. was implemented as yearly pattern but the syllabus 2015 pattern for B.Arch is structured as semester pattern.

@ = The subjects are newly introduced in the 2015 pattern hence the candidate has to take the courses in these subjects.

**Equivalence of Subjects for the First year of the
2008 and 2015 pattern syllabus of B.Arch.**

2008 Pattern			2015 Pattern	
	Subject Code	Subject	Subject Code	Subject
1	113421	Basic Design I (SV)	1201501	Design I (SV)
2	113422	Arch. Design I (SS)	1201509	Design II (SV)
3	113423	ADG I (SS)	1201505	ADG I
			1201513	ADG II
4	113424	BTM I (SV)	1201503 & 1201511	BTM III (SV) & BTM IV (SV)
5	113425	BTM I (Theory)	1201502 & 1201510	BTM III (PP) & BTM IV (PP)
6	113426	TOS I (SS)	To be appeared and cleared	
7	113427	TOS I (Theory)	1201504	TOS I (PP)
			1201512	TOS II(PP)
8	113428	HAHS I (SS)	1201514	History of Arch. I (SS)
9	113429	HAHS I (Theory)	To be appeared and cleared	
10	113430	Design Fundamentals in Architecture I (SS)	1201507 & 1201515	Introduction to Architecture (SS) & Climatology (SS)
11	113431	Design Fundamentals in Architecture I (Theory)	To be appeared and cleared	
12	113432	Workshop & Model Making (SS)	1201508 & 1201516	Workshop I & Workshop II
			1201506	Humanities (SS)@

**Equivalence of Subjects for the Second year of the
2008 and 2015 pattern syllabus of B.Arch.**

Sr.No.	2008 Pattern		2015 Pattern	
	Subject Code	Subject	Subject Code	Subject
1	213421	Basic Design II (SS)	2201517	Design III (SV)
2	213422	Arch. Design II (SV)	2201526	Design IV (SV)
3	213423	ADG II (SS)	2201524	ADG III
4	213424	BTM II (SV)	2201519 & 2201528	BTM III (SV) & BTM IV (SV)
5	213425	BTM II (Theory)	2201518 & 2201527	BTM III (PP) & BTM IV (PP)
6	213426	TOS II (SS)	To be appeared and cleared	
7	213427	TOS II (Theory)	2201520	TOS III (PP)
			2201529	TOS IV (PP)
8	213428	HAHS II (SS)	2201523 & 2201532	History of Arch. II (SS) & History of Arch. III (SS)
9	213429	HAHS II (Theory)	To be appeared and cleared	
10	213430	Bldg. Services I(SS)	2201521 & 2201530	Building Services I (SS) & Building Services II (SS)

11	213431	Bldg. Services I(Theory)	2201522 & 2201531	Building Services I (PP) & Building Services II (PP)
12	213432	Building Sciences (SS)	2201525	Surveying & Levelling
			2201533	Technical Communication®
			2201534	Working Drawing I®

**Equivalence of Subjects for the Third, Fourth and Fifth year of the
2008 and 2015 pattern syllabus of B.Arch.**

2008 Pattern			2015 Pattern	
T.Y.B.Arch and T.Y.B.Arch (ID)			T.Y.B.Arch	
	Code	Subject	Code	Subject
1	313421	Architectural Design III (SV)	3201535	Design V (SV)
			3201544	Design VI (SV)
2	313422	Architectural Design III (Theory)	3201545	Design VI (PP)
3	313423	Bldg. Tech. & Materials III (SV)*	3201537	Building Technology & Materials V(SV)
			3201547	Building Technology & Materials VI (SV)
4	313424	Bldg. Tech. & Materials III (Theory)	3201536	Building Technology & Materials V (PP)
			3201546	Building Technology & Materials VI(PP)
5	313425	Theory of Structures III (SS)	To be appeared and cleared	
6	313426	Theory of Structures III (Theory)	3201548	Theory of Structures VI(PP)
			3201538	Theory of Structures V (PP)
7	313427	Building Services II (SS)	3201540	Building Services III (SS)
			3201550	Building Services IV (SS)
8	313428	Building Services II(Theory)	3201541	Building Services III (PP)
			3201551	Building Services IV(PP)
9	313429	Landscape Arch. and Env. Sciences(SS)	3201539	Landscape Architecture I(SS)
			3201549	Landscape Architecture II (SS)
10	313430	Seminar on Contemporary Arch(SS)	3201542	History of Architecture IV(SS)
			3201552	Contemporary Arch Seminar(SS)
11	313431	Working Drawing (SS)	3201543	Working Drawing II(SS)
12	313432	Technical Communication (SS)	To be appeared and cleared	
Fourth Yr.B.Arch and Fourth Yr.B.Arch(ID)			Fourth Yr.B.Arch	
1	413421	Architectural Design IV (SV)	4201554	Design VII(SV)
			4201562	Design VIII (SV)
2	413422	Adv. Bldg. Tech & Services (SV)	4201555	Advanced Building Technology and Services I(SV)
			4201563	Advanced Building Technology and Services II(SV)
3	413423	Design & Tech. Electives (SS)	4201561	Elective II(SS)
4	413424	Quantity Surveying and Est.(SS)	To be appeared and cleared	
5	413425	Quantity Surveying and Est. (Theory)	4201567	Quantity Surveying and Estimation II(PP)
			4201559	Quantity Surveying and Estimation I (PP)
6	413426	Specification Writing (SS)	To be appeared and cleared	
7	413427	Specification Writing (Theory)	4201568	Specification Writing II (PP)
			4201560	Specification Writing I(PP)
8	413428	Town Planning (SS)	4201557	Urban Studies I (SS)
			4201565	Urban Studies II (SS)

		2008 Pattern		2015 Pattern
9	413429	Town Planning (Theory)	To be appeared and cleared	
10	413430	Professional Practice (SS)	To be appeared and cleared	
11	413431	Professional Practice (Theory)	4201564 4201556	Professional Practice II (PP) Professional Practice I(PP)
12	413432	Dissertation &Architectural Project Part I (SS)	4201558	Research in Architecture I (SS)
			4201566	Research in Architecture II(SS)
		Fifth Year B.Arch and Fifth Year B.Arch(ID)		Fifth Year B.Arch
1	513421	Practical Training (SV)	5201570	Practical Training(SV)
2	513422	Architectural Project Part II(SV)	5201571	Architectural Design Project(SV)
3	513423	Management Elective(SS)	5201572	Elective IV (SS)
4	513424	Allied Elective(SS)	To be appeared and cleared	



M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

C) Savitribai Phule Pune University – B. Arch Program Syllabus Details

3. 2008 PATTERN

- Syllabus Implementation Letter
- Syllabus Course Structure
- Syllabus Course Details



पुणे विद्यापीठ

दूरध्वनी क्रमांक :

०२०-२५६९१२३३

२५६०१२५८

२५६०१२५९



शैक्षणिक विभाग

गणेशखिंड, पुणे-४११००७.

टेलिग्राफ : 'युनिपुणे'

फॅक्स : ०२०-२५६९८००७

वेबसाइट : www.unipune.ernet.in

ई-मेल : dyracademic@unipune.ernet.in

संदर्भ क्र. : सवि/शा.व/५०४६

दिनांक : ११/६/२००८

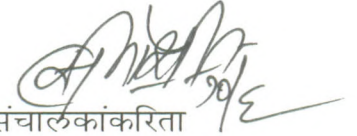
परिपत्रक क्र. २०६/२००८

विषय :- अभियांत्रिकी विद्याशाखेअंतर्गत बॅचलर ऑफ आर्किटेक्चर व बॅचलर ऑफ आर्किटेक्चर (इंटरिअर डिझाईन) या पदवीच्या प्रथम वर्षाच्या सुधारित अभ्यासक्रमाबाबत व पाच वर्षाच्या आराखडयाबाबत.

विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार आपणांस कळविण्यात येते की, शैक्षणिक वर्ष २००८-०९ पासून अभियांत्रिकी विद्याशाखेअंतर्गत बॅचलर ऑफ आर्किटेक्चर व बॅचलर ऑफ आर्किटेक्चर (इंटरिअर डिझाईन) या पदवीच्या प्रथम वर्षाच्या सुधारित अभ्यासक्रमास व पाच वर्षाच्या आराखडयास मान्यता देण्यात येत आहे.

सदर अभ्यासक्रम www.unipune.ernet.in या पुणे विद्यापीठाच्या वेबसाईटवर Student's Helpline - Syllbi या शीर्षकाखाली उपलब्ध आहे. सदर अभ्यासक्रम डाऊनलोड करणेबाबत काही अडचण आल्यास CD उपलब्ध केल्या जातील.

पुणे विद्यापीठाचे सर्व संलग्न वास्तुशास्त्र महाविद्यालयांचे प्राचार्य, यांना विनंती की, सदर परिपत्रकाचा आशय सर्व संबंधितांच्या, प्राध्यापक व विद्यार्थी यांच्या निदर्शनास आणून द्यावा.


संचालकांकरिता
(म.वि.वि.मं.)

प्रत माहितीसाठी व पुढील योग्य त्या कार्यवाहीसाठी :

- १) मा. अधिष्ठाता, अभियांत्रिकी विद्याशाखा, पुणे विद्यापीठ, पुणे-४११ ००७.
- २) मा. प्राचार्य, सर्व संलग्नीत अभियांत्रिकी महाविद्यालये.
- ३) मा. अभ्यासमंडळाचे सदस्य, पुणे विद्यापीठ, पुणे-४११ ००७.
- ४) मा. परीक्षा नियंत्रक, परीक्षा विभाग, पुणे विद्यापीठ, पुणे-४११ ००७.
- ५) मा. संचालक, म.वि.वि.मं., पुणे विद्यापीठ, पुणे-४११ ००७.
- ६) मा. संचालक, स्पर्धा परीक्षा केंद्र, पुणे विद्यापीठ, पुणे-४११ ००७.
- ७) मा. संचालक, आंतरराष्ट्रीय विद्यार्थी केंद्र, पुणे विद्यापीठ, पुणे-४११ ००७.
- ८) मा. उपकुलसचिव, परीक्षा (१ व २), पुणे विद्यापीठ, पुणे-४११ ००७.
- ९) मा. सहा.कुलसचिव, शैक्षणिक प्रवेश विभाग, पुणे विद्यापीठ, पुणे-४११ ००७.
- १०) मा. सहा. कुलसचिव, नियोजन व विकास विभाग, पुणे विद्यापीठ, पुणे-४११ ००७.
- ११) मा. सहा. कुलसचिव, शैक्षणिक पात्रता विभाग, पुणे विद्यापीठ, पुणे-४११ ००७.
- १२) मा. सहा. कुलसचिव, परीक्षा समन्वय कक्ष, पुणे विद्यापीठ, पुणे-४११ ००७.
- १३) मा. सहा. कुलसचिव, परीक्षा (एस अँड टी) विभाग, पुणे विद्यापीठ, पुणे-७.
- १४) मा. सहा. कुलसचिव, गोपनीय कक्ष, पुणे विद्यापीठ, पुणे-४११ ००७.
- १५) मा. सहा. कुलसचिव, सभा व दप्तर विभाग, पुणे विद्यापीठ, पुणे-४११ ००७.
- १६) मा. कायदा अधिकारी, कायदा विभाग, पुणे विद्यापीठ, पुणे-४११ ००७.
- १७) मा. जनसंपर्क अधिकारी, पुणे विद्यापीठ, पुणे-४११ ००७.
- १८) मा. कक्षाधिकारी, बहिस्थ: विभाग, पुणे विद्यापीठ, पुणे-४११ ००७.
- १९) मा. कक्षाधिकारी, संलग्नता विभाग, पुणे विद्यापीठ, पुणे-४११ ००७.
- २०) मा. कक्षाधिकारी, शिक्षक मान्यता कक्ष, पुणे विद्यापीठ, पुणे-४११ ००७.
- २१) मा. प्रमुख विद्यापीठ उप केंद्र : अहमदनगर, नाशिक.

विद्या परिषद ठराव क्र. — वि.प. ब ४० पीए/४०/०८ दि. ८/९ मे, २००८

UNIVERSITY OF PUNE

SYLLABUS

FOR

**Five years Degree Course
of
BACHELOR OF ARCHITECTURE
And
BACHELOR OF ARCHITECTURE
(INTERIOR DESIGN)**

And

**Three Years Degree Course
of
BACHELOR OF BUILDING SCIENCES
(Stage I of B.Arch.)**

(to be implemented from 2008-09)

FACULTY OF ENGINEERING

BOARD OF STUDIES IN ARCHITECTURE

BACHELOR OF ARCHITECTURE
And
BACHELOR OF ARCHITECTURE
(INTERIOR DESIGN)

And

BACHELOR OF BUILDING SCIENCES
(Stage I of B.Arch.)

UNIVERSITY OF PUNE

Rules of structure for First to Fifth year B.Arch.

Rule no.1: ELIGIBILITY FOR ADMISSION.

Eligibility Criteria: Students seeking admission to First year of Bachelor's degree course in Architecture must fulfill the eligibility criteria laid down by University of Pune / Govt. of Maharashtra / Council of Architecture as applicable from time to time.

Rule no.2: SCHEME OF ASSESSMENT.

A candidate to be eligible for the degree of Bachelor of Architecture will be required to appear for and pass examinations as under:

Examination	Consisting of
STAGE I	
1. First Examination in Architecture	(I B.Arch.) Term I & II
2. Second Examination in Architecture	(II.B.Arch.)Term I & II
3. Third Examination in Architecture	(III.B.Arch.) Term I & II
STAGE II	
4. Fourth Examination in Architecture	(IV B.Arch.) Term I & II
5. Bachelor of Architecture	(V B.Arch.) Term I & II

Rule no. 3: GRANTING OF TERM.

Academic year shall consist of two terms of 90 teaching days each. Sessional work completed by the students shall be continuously assessed by the teacher during the term and assessed at the end of the academic term jointly by the internal and external examiners.

The candidate will be permitted to appear for annual examination **only if** he/she keeps term for that part at a College affiliated to the University and produces testimonials from the Principal of the College for :

1. 75% attendance in each head of passing of theory and/ or sessional work as prescribed by the University.
2. Satisfactory completion of the sessional work prescribed for each subject and securing at least 50% marks in the Internal assessment for the same.
3. Good Conduct.

Rule no. 4: PREREQUISITES FOR ADMISSION TO HIGHER CLASSES.

A student shall be promoted to higher class only if he has scored minimum 45 % marks in each theory head and 50 % marks in each sessional / sessional and viva-voce head.

For admission to Stage II of the course:

- Candidates admitted to the course shall complete the first stage within five years of admission to the course.
- The pass percentage shall not be less than 50% in the aggregate marks of F.Y, S.Y., and T.Y. at the end of Stage I.

Rule no. 5 : RULES OF A.T.K.T.

As a general rule a student shall be allowed to keep term for the next year of study of the course if he/she has a backlog of not more than **FOUR HEADS** of passing in the preceding year.

a) A student shall be allowed to keep term for Second Year B.Arch. course if he/ she has a backlog of not more than **FOUR HEADS** of passing in Theory / sessional / Viva-voce examination at First Year B.Arch.

b) A student shall be allowed to keep term for the Third Year B.Arch. Course, if he/she has no backlog of First Year B.Arch. and if he/she has a backlog of not more than **FOUR HEADS** of passing in Theory /Sessional / Viva-voce examination at Second Year B.Arch.

c) A student shall be allowed to keep term for the Fourth Year B.Arch. Course, if he/she has no backlog of Second Year B.Arch. and if he/she has a backlog of not more than **FOUR HEADS** of passing in Theory /Sessional / Viva-voce examination at Third Year B.Arch.

d) Fourth Year and Final Year are considered as integrated Stage II of the course and hence students will be allowed to take admission to Fifth year irrespective of the number of subjects in which they are failing at Fourth Year.

The pass percentage shall not be less than 50% in the aggregate marks of Fourth Year and Fifth Year at the end of Stage II.

Rule no. 6: EXAMINATIONS.

At each examination,

- i. Paper
- ii. Sessional / Sessional and Viva-voce based on sessional work, as prescribed in the subjects, for both the terms together, shall constitute one head of passing.

Rule no. 7: CONDUCT OF EXAMINATIONS.

The examinations for First and Second Year B.Arch shall be conducted by individual institution offering the course. The results shall be declared within 45 days of completion of the examination and shall be conveyed to the University accordingly.

The examinations for Third, Fourth and Fifth Year B.Arch shall be conducted by Pune University.

Rule no. 8: SESSIONAL WORK ASSESSMENT.

a. In respect of Sessional work at F. Y. B.Arch., S. Y. B.Arch., T. Y. B.Arch. Fourth Yr. B.Arch and Fifth Year B.Arch. target date shall be fixed for the completion of each assignment and the same shall be collected on the target date. All assignments shall be continuously assessed by the teacher during Term I and Term II.

b. At the end of each Term sessional work shall be assessed jointly by the internal and external examiners from amongst the panel approved by the University for the subject. If the student fails in the First Term Sessional assessment, he / she will have to make up in the second term assessment and have to pass in the combined marks obtained by the candidate in the particular subject in both terms taken together as it is considered as one subject head.

c. Performance of Sessional / Viva-voce Examination shall be assessed on the basis of the depth of understanding of the principles involved and not on the basis of mere correctness or results of ornamental or colorful presentation.

d. Students may use computers for preparing sessional work where nature of work is unique to an individual and stress is on content rather than skill. For common form of work, drawings and reports/ notes shall be manually prepared.

e. At First, Second and Third year examination, external assessment shall be carried out by the examiner external to the college. i.e. teacher from college other than one whose students are being examined.

f. For Fourth and Final year examination external assessment shall be carried out by professional not teaching in any of the colleges under University of Pune.

g. Internal Examiner : Internal Examiner is one who is teaching that particular subject in the same/any other college under University of Pune.

h. External Examiner: For First, Second, Third and Fourth year, External Examiner at a center means a teacher who is not teaching in the college for which the examination is being conducted.

i. For Fourth and Fifth year examination an external examiner means a professional not teaching in any of the colleges under University of Pune.

j. An Examiner for any of the subjects of examination from 1st year to 3rd Year Architecture, shall have a minimum of 3 years teaching / professional experience in his/her field of study.

k. To qualify for the External Examiner at Fourth and Fifth year examination, the professional shall have a minimum of five years professional experience.

Rule no. 9 : CRITERIA FOR PASSING.

To pass the F.Y. / S.Y./ T.Y./ Fourth Yr./ Fifth Yr B.Arch. Examination, a candidate must obtain minimum 45% marks in each paper and 50% marks in each sessional / sessional and Viva-voce head.

Rule no. 10: GRADING SYSTEM.

The class at the end of each Year should be awarded to the student on the aggregate marks obtained by him. The award of class shall be as follows:-

- | | | |
|----|--|--------------------------------|
| a) | Aggregate 66% or more marks | : First class with Distinction |
| b) | Aggregate 60% or more marks but less than 66% | : First class |
| c) | Aggregate 55% or more marks but less than 60% | : Higher Second class |
| d) | Aggregate 50% or more marks but less than 55% | : Second class |
| e) | Aggregate less than 50% subject to criteria of passing | : Pass class |

The pass percentage shall not be less than 50% in the aggregate marks of F.Y, S.Y., and T.Y. at the end of Stage I.

CLASS OF STAGE II EXAMINATION SHALL BE AWARDED ON THE BASIS OF PERFORMANCE OF FOURTH AND FIFTH YEARS TAKEN TOGETHER.

The pass percentage shall not be less than 50% in the aggregate marks of Fourth Year and Fifth Year at the end of Stage II.

Rule no. 11: EXEMPTIONS & SUPPLEMENTARY EXAMINATION.

In case a candidate fails in an examination but desires to appear again,

- a) He/She may be exempted from appearing in the head/s of passing in which he/she has passed.
- b) Supplementary examination will be held in Oct./Nov.
- c) Only those candidates who appeared but failed / failed with A.T.K.T. in the combined result of Term I and Term II examination taken together will be allowed to appear for the supplementary examination. The candidate failing in sessional / sessional and viva-voce head shall have to improve upon and present the sessional work of term I and term II both at the time of supplementary examination

Rule no. 12: INTRODUCTION OF THIS CURRICULUM.

The new curriculum for the Degree course in Architecture B.Arch and B.Arch (Interior Design) will be introduced gradually as under:

- a) First Yr. B. Arch. course from June 2008
- b) Second Yr. B. Arch. course from June 2009
- c) Third Yr. B. Arch. course from June 2010
- d) Fourth Yr. B. Arch. course from June 2011
- e) Final Yr. B. Arch. course from December 2012.

Rule no. 13 : DEGREE OF BACHELOR IN BUILDING SCIENCES

A Degree of Bachelor in Building Sciences shall be awarded to candidates after successful completion of Stage I in case he / she is unable to complete the first stage within five years of admission to the course and / or wants to opt out of the course at this stage.

Completion of only Stage I shall not qualify the candidates for registration as an Architect.

Rule no. 14: OTHER RULES.

University / affiliated colleges may frame additional rules and regulations or modify these regulations if needed and once approved by the University of Pune, they would be binding on the students.

COURSE STRUCTURE

FIVE YEARS DEGREE COURSE

BACHELOR OF ARCHITECTURE & BACHELOR OF ARCHITECTURE (INTERIOR DESIGN)

And

THREE YEARS DEGREE COURSE - BACHELOR OF BUILDING SCIENCES (Stage I of B.Arch.)

A total of 40 periods per week per term shall be conducted for the course. In addition to the 36 periods specified below, 4 periods per week are given to the institution to orient the course as per their own philosophy. Intensive study as per the institution's philosophy may also be done in addition to the detail syllabus in each subject.

STAGE I

Legend : SV = Sessional & Viva-voce, SS = Sessional.

FIRST YEAR B.ARCH, FIRST YEAR B.ARCH (I.D.), FIRST YEAR B.B.S.

Sr. No.	Subject Code	Name of Subject	Head	Teaching Scheme			Examination Scheme		
				Lecture Periods	Studio Periods	Total Periods	Term I Marks	Term II Marks	Total Marks
1	113421	Basic Design I	SV	1	5	6	150	150	300
2	113422	Architectural Design I	SS	1	5	6	150	150	300
3	113423	Arch. Drg. & Graphics I	SS	1	5	6	100	100	200
4	113424	Bldg. Tech. & Materials I	SV	2	4	6	150	150	300
5	113425	Bldg. Tech. & Materials I	Theory				--	100	100
6	113426	Theory of Structures I	SS	2	2	4	50	50	100
7	113427	Theory of Structures I	Theory				--	100	100
8	113428	H.A. & H.S. I	SS	3	--	3	50	50	100
9	113429	H.A. & H.S. I	Theory				--	100	100
10	113430	Design Fundamentals of Arch I	SS	2	--	2	100	100	200
11	113431	Design Fundamentals of Arch I	Theory				--	100	100
12	113432	Workshop and Model Making	SS	--	3	3	50	50	100
		T O T A L		12	24	36	800	1200	2000

SECOND YEAR B.ARCH, SECOND YEAR B.ARCH (I.D.), SECOND YEAR B.B.S.

Sr. No.	Subject Code	Name of Subject	Head	Teaching Scheme			Examination Scheme		
				Lecture Periods	Studio Periods	Total Periods	Term I Marks	Term II Marks	Total Marks
1	213421	Basic Design II	SS	1	4	5	150	150	300
2	213422	Architectural Design II	SV	2	5	7	150	150	300
3	213423	Arch. Drg. & Graphics II	SS	1	4	5	100	100	200
4	213424	Bldg. Tech. & Materials II	SV	2	4	6	150	150	300
5	213425	Bldg. Tech. & Materials II	Theory				--	100	100
6	213426	Theory of Structures II	SS	2	2	4	50	50	100
7	213427	Theory of Structures II	Theory				--	100	100
8	213428	H.A. & H.S. II	SS	3	--	3	50	50	100
9	213429	H.A. & H.S. II	Theory				--	100	100
10	213430	Building Services I	SS	2	--	2	100	100	200
11	213431	Building Services I	Theory				--	100	100
12	213432	Building Sciences	SS	1	3	4	50	50	100
		T O T A L		14	22	36	800	1200	2000

THIRD YEAR B.ARCH, THIRD YEAR B.ARCH (I.D.), THIRD YEAR B.B.S.

Sr. No.	Subject Code	Name of Subject	Head	Teaching Scheme			Examination Scheme		
				Lecture Periods	Studio Periods	Total Periods	Term I Marks	Term II Marks	Total Marks
1	313421	Architectural Design III	SV	4	6	10	250	250	500
2	313422	Architectural Design III	Theory				--	100	100
3	313423	Bldg. Tech. & Materials III	SV	2	5	7	150	150	300
4	313424	Bldg. Tech. & Materials III	Theory				--	100	100
5	313425	Theory of Structures III	SS	2	1	3	50	50	100
6	313426	Theory of Structures III	Theory				--	100	100
7	313427	Building Services II	SS	2	2	4	100	100	200
8	313428	Building Services II	Theory				--	100	100
9	313429	Landscape Architecture & Environmental Sciences	SS	1	2	3	50	50	100
10	313430	Seminar on Contemporary Arch	SS	2	-	2	50	50	100
11	313431	Working Drawing	SS	2	3	5	100	100	200
12	313432	Technical Communication	SS	1	1	2	50	50	100
		T O T A L		16	20	36	800	1200	2000

STAGE II

Legend : SV = Sessional & Viva-voce, SS = Sessional.

Intensive Study of the subjects of Interior Design for B.Arch (I.D.) shall be carried out additionally under the subjects having heads of SS or SV as per the curriculum framed by the affiliated institution offering the course after the approval of the University.

FOURTH YEAR B.ARCH AND FOURTH YEAR B.ARCH (I.D.)

Sr. No.	Subject Code	Name of Subject	Head	Teaching Scheme			Examination Scheme		
				Lecture Periods	Studio Periods	Total Periods	Term I Marks	Term II Marks	Total Marks
1	413421	Architectural Design II	SV	2	10	12	300	300	600
2	413422	Adv. Bldg. Tech. & Services	SV	2	5	7	150	150	300
3	413423	Design & Tech. Elective	SS	1	1	2	50	50	100
4	413424	Quantity Surveying and Est.	SS	1	3	4	50	50	100
5	413425	Quantity Surveying and Est.	Theory				--	100	100
6	413426	Specification Writing	SS	2	-	2	50	50	100
7	413427	Specification Writing	Theory				--	100	100
8	413428	Town Planning	SS	1	3	4	50	50	100
9	413429	Town Planning	Theory				--	100	100
10	413430	Professional Practice	SS	2	-	2	50	50	100
11	413431	Professional Practice	Theory				--	100	100
12	413432	Dissertation & Architectural Project Part I	SS	1	2	3	100	100	200
		T O T A L		12	24	36	800	1200	2000

FIFTH YEAR B.ARCH AND FIFTH YEAR B.ARCH (I.D.)

Sr. No.	Subject Code	Name of Subject	Head	Teaching Scheme			Examination Scheme		
				Lecture Periods	Studio Periods	Total Periods	Term I Marks	Term II Marks	Total Marks
1	513421	Practical Training	SV	--	--	--	100	--	100
2	513422	Architectural Project Part II	SV	2	10	12	--	400	400
3	513423	Management Elective	SS	1	1	2	--	50	50
4	513424	Allied Elective	SS	1	1	2	--	50	50
		T O T A L		4	12	16	100	500	600

SUBJECT CODE : 113421		BASIC DESIGN I - SV	
TEACHING SCHEME		EXAMINATION SCHEME	
Lecture Periods	1	Paper	Nil
Studio Periods	5	Sessional + Viva-voce Term I	150
Total Contact Period (Per Week)	6	Sessional + Viva-voce Term II	150
		Total Marks	300

Term I :

COURSE OBJECTIVES :

To help the students grasp the fundamentals of design as a basic creative activity.
The help the students learn about the basic elements of design such as the point, line, planes, volumes and masses, colour, texture etc. through exercises aimed at experimentation.

COURSE OUTLINE :

The course should contain exercises that will cover the following topics:

1. Study of lines and forms : Lines (Their Visual Qualities), Composition of two Dimensional Forms, Forms in Nature (Animate and Inanimate).
2. Material and Texture, Colour, Light.
3. Anthropometry.
4. Study of spaces: Positive and Negative Spaces, Activation of spaces through Stables / Mobiles.
5. Design of an object in everyday use.

SESSIONAL WORK :

Sufficient number of projects to cover the topics mentioned above should be worked in class. Stress should be given on three-dimensional study and communicating the design / study through effective two and three-dimensional sketches and models, rather than words.

REFERENCE BOOKS

Ching Francis D. K.	Architecture : Form Space & Order
Pramar V. S.	Fundamentals in Architecture
Walter Groups	Total Architecture

Term II :

COURSE OBJECTIVES :

To help the students grasp the fundamentals of Architectural aesthetics.
To help the students learn about the basic elements of visual aesthetics through exercises aimed at experimentation.
The final exercise will culminate in application of all the knowledge and skill gained during the term.

COURSE OUTLINE :

The course should contain exercises that will cover the following topics:

1. Understanding Architectural Aesthetics.
2. Elements of Visual Aesthetics.
3. Attributes of Form and Space.
4. Platonic Forms. (Derivatives forms and transformation).
5. Scale, Proportion, Contrast.
6. Alignment, Repetition, Pattern, Rhythm
7. Principles of Organization of Form & Space
8. Study of building by application of principles of Aesthetic Appraisal.

SESSIONAL WORK

Sufficient number of projects to cover the topics mentioned above should be worked upon in class. Stress should be given on three-dimensional study and communicating the design / study through effective two and three-dimensional sketches and models, rather than words.

REFERENCE BOOKS

Ching Francis D. K.

Pramar V. S.

Walter Groups

Architecture : Form Space & Order

Fundamentals in Architecture

Total Architecture

SUBJECT CODE : 113422		ARCHITECTURAL DESIGN I - SS	
TEACHING SCHEME		EXAMINATION SCHEME	
Lecture Periods	1	Paper	nil
Studio Periods	5	Sessional Term I	150
Total Contact Period (Per Week)	6	Sessional Term II	150
		Viva-voce	nil
		Total Marks	300

Term I :

COURSE OBJECTIVES :

Introduction to the design process as a synthesis of a variety of factors, analyzed and studied. Develop a perception of space and a sense of visualization with the help of tools like sketches, drawings, models, computer animation etc.

COURSE OUTLINE :

- Analyzing single activity, single space structures its context of form, construction, anthropometrical data, space layout, relationship with surrounding environment etc.
- Analyzing relationship of more than one activity in a building of simple nature and understand the same in context to form, construction, anthropometrical data, space and furniture layout etc.
- Designing single activity, single spaces e.g. gate cabins, entrance gates, bus shelters, monuments, kiosks, children play areas etc.
- Designing progressively complex spaces and buildings eg. Snack bars, exhibition stalls, weekend cottages, bandstand etc.

SESSIONAL WORK :

Sufficient number of projects to cover the topic.

Stress should be given on three-dimensional study and communicating the design / study through effective two and three-dimensional drawings / sketches and models, rather than words.

REFERENCE MATERIAL

- Elements of Architecture – Meiss Pierree Von
- A pattern Language by Alexander Christopher
- Structure in Architecture – Heller Robert and Salvadori Mario
- Total Architecture Walter Gropius
- Structure in Nature – Strategy for Design – Peter Pearce
- Patterns in Nature – Peter Streens
- Visual Thinking – Am heim Rudolf
- Architecture : Form, Space and order – Francis D. K. Ching
- A.J. Metric Handbook, editors, Jan Bilwa and Leslie Fairweather
- Architectural Graphic standards editor – Boaz Joseph
- Planning – the Architect's handbook by E and O.E.

- Dernst Neufert's Architect's data
- Time saver standards for Architectural Design Data, Editor, John Callender
- Time saver standards for building types, editor Joseph D. C. and John Callender.

Term II :

COURSE OBJECTIVES :

Elaborating the design process as a synthesis of a variety of factors, analyzed and studied. Develop a perception of space and a sense of visualization with the help of tools like sketches, drawings, models, computer animation etc.

COURSE OUTLINE :

- Study of settlement environment – visit to nearby settlement to study spaces in the cluster environment.
- Study of life style, climate and social structure.
- Study of houses, their relationship with common spaces, public buildings of the settlement with residential clusters etc.
- Study of various categories of open spaces of the settlement and their inter relationship with each other as well as built spaces around.
- Study of the road and transportation network within the settlement and connectivity with surrounding areas.
- Design project should be related to settlement study carried out.

SESSIONAL WORK :

Sufficient number of projects to cover the topic.

Stress should be given on three-dimensional study and communicating the design / study through effective two and three-dimensional drawings / sketches and models, rather than words.

REFERENCE MATERIAL

- Elements of Architecture – Meiss Pieree Von
- A pattern Language by Alexander Christopher
- Structure in Architecture – Heller Robert and Salvadori Mario
- Total Architecture Walter Gropius.
- Structure in Nature – Strategy for Design – Peter Pearce.
- Patterns in Nature – Peter Streens
- Visual Thinking – Am heim Rudolf
- Architecture : Form, Space and order – Francis D. K. Ching
- A.J. Metric Handbook, editors, Jan Bilwa and Leslie Fairweather
- Architectural Graphic standards editor – Boaz Joseph
- Planning – the Architect's handbook by E and O.E.
- Neufert's Architect's data
- Time saver standards for Architectural Design Data, Editor, John Callender
- Time saver standards for building types, editor Joseph D. C. and John Callender.

SUBJECT CODE : 113423 ARCHITECTURAL DRAWING AND GRAPHICS I - SS			
TEACHING SCHEME		EXAMINATION SCHEME	
Lecture Periods	1	Paper	nil
Studio Periods	5	Sessional Term I	100 marks
Total Contact Period (Per Week)	6	Sessional Term II	100 marks
		Viva-voce	nil
		Total Marks (Sessional)	200

Term I :

COURSE OBJECTIVES :

1. To develop students to understand Graphic Language for Communication.

2. To develop student in acquiring skills to express more complex objects through graphic presentation.

COURSE OUTLINE :

Scale Drawing

- (a) Introduction to drawing instruments and drawing materials and their use.
- (b) Drafting techniques : Basis for Architectural Drawing - LINE, essence of line-continuity. Quality of line sharpness, clarity blockness (Tone) weight, (Thickness) Types of lines continuous thin, continuous thick, dotted, dash and dotted, horizontal, vertical inclined lines.
Application of all types of lines in architectural drawing..
- (c) Scale : Architectural Metric scale. Introduction of various proportions of scales, necessity of scaled drawing, selection of proportions of scales while preparing architectural drawing.
Method of construction of Graphics Scale i.e. dividing a given length of line into equal parts..
- (d) Building Elements : Techniques of representing building elements such as doors, windows, steps, chajja, porch, canopy, balcony, roofs, difference of levels, furniture fittings such as wash hand basins, WC pans, traps etc. on drawings.
- (e) Lettering : Introduction to architectural lettering, its proportion to scale drawing simplicity of lettering.
- (f) Annotations : Use of annotations on drawings titles and uses in presentations drawings.
- (g) Material Indications : Symbolic representation of building materials with colour code as specified Indian Standard Code of practice.
- (h) Measuring and drawing to different scale : existing ground floor building maximum of 100.0 sq. mtrs. Plinth area, in plan elevations and WC fittings, symbolic representation of materials used. Ground Floor Plan along with plot boundaries, four side elevations, two sections, block plan, site plan, north point. In addition to this drawings shall be prepared based on examples of buildings by giving a sketch design. Plinth area of such design will be maximum of 100.0 sq. mts.

Solid Geometry :

1. Introduction to solid geometrical forms projection methods of representing on drawings such as orthographic on vertical and horizontal planes. Isometric views – Plan, elevations and sections of solids.
2. Composite solid geometrical objects in plan, elevation, section and isometric. Application of such forms in buildings, Penetration of solid geometrical objects into each other vertically, horizontally and inclined its representation in plan, elevations and sections. True shapes of sections of solid geometrical objects.

Free Hand Sketching : Importance of free hand sketching in architectural drawing / practice.
Principles of free hand sketching such as proportions.
Indoor sketching of three dimensional solid forms, buildings and parts of building.

SESSIONAL WORK :

Sessional Work' to be done as per the 'Course outline' above.

REFERENCE MATERIAL

1. Architectural Graphics by Ching Frank.
2. Geometrical & Building Drawing by Kelsey W.E.
3. Architectural Graphics by Martin C. Leslie.
4. A. J. Metric Hand Book.
5. Architectural Graphic Standards.
6. Architectural Drawing ISI Publication.
7. Essential of Drafting by B. James.

8. Practical Plane and Solid Geometry by H. Joseph and Morris.
9. Rendering with Pen and Ink.
10. Architectural De-lineation by Burden Ernest.
11. Architectural Presentation Techniques.
12. Architectural Rendering.
13. Rendering with pen and ink by Gill Robert.
14. Applied perspective, Holmes John M.
15. Perspective for the Architect- Themes and Hadson.
16. Professional perspective Drawing for Architects and Engineers – Friedrich W. Capelle.
17. Interior perspective in Architectural Design-Graphic Sha Publishing Co. Ltd. Japan.
18. Modern Architectural Rendering best 180, Japan Publishing Co.
19. Perspective Drawings of Modern Architecture, Japan Publishing Co.
20. Air brushing in rendering, Japan Publishing Co.

Term II :

COURSE OBJECTIVES :

To acquaint student in various techniques of presentation of Building Designs.

To acquaint students in various techniques of Architectural Photography.

To acquaint students to the use of Computer aided Drafting.

COURSE OUTLINE :

Perspective Drawing :

- (a) Principles of perspective drawings and understanding of all relevant terms like Picture Plane, Central Visual Ray, Vanishing Parallel, Eye Level, Height Lines, Vanishing Points, Cone of Vision etc.
- (b) Drawing Perspective Views by – Projection Methods with different combination of variable like picture plane, station point/viewer, eye level etc. for One Point and Two Point perspective.
- (c) Alternative Methods of Perspective :
 - Drawing perspective by Approximate Method.
 - Drawing Perspective by Measuring Point Method.
 - Drawing Perspective view of Interior Designs by Projection / Measuring Point Method.

Sociography :

- (a) Principles of Shades and shadows. & Shades & Shadows of typical building on Plan & Elevation.
- (b) Techniques of drawing shades and shadows of lines, planes, solids and Architectural Building Elements.
- (c) Colouring of shades and shadows using transparent colours.
- (d) Study of drawing shadows in isometrics.
- (e) Shades and Shadows in perspective.

Photography : Introduction to Architectural Photography.

- (a) Techniques of Recording Building and surrounding on a film with respect to position of viewer and angle, light and shades, foreground and background, scale, colour, texture, mood, time etc.
- (b) Techniques of Photography for documentation :
- (c) Photographs of drawings, models, features of buildings and surroundings to be elaborated.
- (d) Close up Photographs.

Computer:

- (a) Introduction to Computer Hardware, Software.
- (b) Introduction to Operating systems. (DOS-Optional, Windows-Compulsory).

- (c) Use of computer as a tool for architectural draughting using appropriate software eg. Autocad, Archigram, etc.

Presentation Techniques :

- a) Techniques of representing elements graphically such as trees, lawns, shrubs, paving, pathways, flowerbed, water pools, human figures, vehicles.
- b) Colours theory and use of colours in presentation. Medium of presentation - pencil, pastel colours, and transparent water colours.
- c) Advanced Presentation Techniques.

SESSIONAL WORK :

‘Sessional Work’ to be done as stipulated in the ‘Course outline’ above.

REFERENCE MATERIAL

1. Architectural Graphics by Ching Frank.
2. Geometrical & Building Drawing by Kelsey W.E.
3. Architectural Graphics by Martin C. Leslie.
4. A.J. Metric Hand Book.
5. Architectural Graphic Standards.
6. Architectural Drawing ISI Publication.
7. Essential of Drafting by B. James.
8. Practical Plane and Solid Geometry by H. Joseph and Morris.
9. Rendering with Pen and Ink.
10. Architectural De-lineation by Burden Ernest.
11. Architectural Presentation Techniques.
12. Architectural Rendering.
13. Rendering with pen and ink by Gill Robert.
14. Applied perspective Holmes John M.
15. Perspective for the Architect- Themes and Hadson.
16. Step by step perspective drawing for Architects Draftsman and Engineering – Claudius Coulin.
17. Professional perspective Drawing for Architects and Engineers – Friendrich W. Capelle.
18. Interior perspective in Architectural Design-Graphic Sha Publishing Col. Ltd. Japan.
19. Modern Architectural Rendering best 180, Japan Publishing Co.
20. Perspective Drawings of Modern Architecture, Japan Publishing Co.
21. Air brushing in rendering, Japan Publishing Co.
22. Perspective & Sociography- by Shankar Mulik.
23. As mentioned for Architectural Drawing and Graphics – III.
24. The Step by Guide to Photography by Michael Langford.
25. Architectural Photography by Joseph W. Molitor.
26. Computer and common sense by Roger Hunt.

SUBJECT CODE : 113424		BUILDING TECHNOLOGY AND MATERIALS I - SV	
SUBJECT CODE : 113425		BUILDING TECHNOLOGY AND MATERIALS I - Theory	
TEACHING SCHEME		EXAMINATION SCHEME	
Lecture Periods	2	Theory Paper on contents of both terms at the end of term II	100 marks
Studio Periods	4	Sessional + Viva-voce Term I	150 marks
Total Contact Periods (Per Week)	6	Sessional Term II+ Viva-voce	150 marks
		Total Marks (Sessional + Viva-voce)	300

Term I :

COURSE OBJECTIVES :

To help students understand the basic building elements, their function and behavior under various conditions with specific reference to 'Load bearing Construction' and simple non RCC frame structure.

To help students to develop a clear understanding of the basic principles of construction and materials suitable for Indian conditions.

To help students develop an analytical and logical sequence in thinking.

To encourage students to study both in classroom and also outside at work sites in order to get the practical exposure.

COURSE OUTLINE :

1. Introduction to various elements of building from foundation to roof.
2. Introduction to various building materials, which are commonly used in load bearing construction.
3. Introduction to various tools and equipment commonly used in
 - (a) Excavation
 - (b) Masonry Construction
 - (c) Carpentry work
4. Study of following building materials with their characteristics, available market forms, preservation, appropriate use and common tests.
 - Stone, Brick, Cement concrete blocks, Stabilized Mud blocks.
 - Lime and Lime Mortar.
5. Following standard constructions shall be covered
Foundations :
 - Strip foundation suitable for load bearing structure in stone and brick up to plinth level including plinth formation, P.C.C. coping (reinforced and un-reinforced) to act as damp proof course.
 - Foundation for brick pillars, plasters, entrance, steps etc.
6. Superstructure
 - Load bearing / non load bearing masonry construction using materials such as stone, bricks, cement concrete blocks, stabilized mud blocks shall be studied.
7. Spanning of Openings
 - Introduction to evolution of arches, terminology of arch construction and load transfer in arches.
 - Spanning of openings using brick and stone in the form of Flat arch, Segmental arch, Semi circular arch, Corbelled arch.
 - Form Work for Arches

SESSSIONAL WORK :

Sufficient number of projects to cover the topics mentioned above should be worked in class.

Stress should be given on self study and site visits to understand the basics of construction technology together with drawings.

REFERENCE READING

- a. To understand basic fundamental principles in construction following books are recommended
 1. Elements of structure by Morgan
 2. Structure in Architecture by Salvadori
- b. Studying standard building construction
 1. Building construction by McKay W. B., Vol. 1 to 4
 2. Construction of Building by Barry, Vol. I to V
 3. Construction Technology by Chudley R. Vol. I to IV
 4. Building Construction Illustrated – Ching Francis D. K.

5. Elementary Building Construction by Michell
- c. To study building materials
 1. Engineering Material – Chaudhary
 2. Building Construction Materials – M. V. Naik
 3. Civil Engineer's Hand Book – Khanna
 4. Vastu Rachana – Shri Sane
 5. National Building code and ISI specifications

Term II :

OBJECTIVES :

To help students understand the basic building elements, their function and behavior under various conditions with specific reference to Timber Construction.

To help students to develop a clear understanding of the basic principles of construction and materials suitable for Indian conditions.

To help students develop an analytical and logical sequence in thinking.

To encourage students to study both in classroom and also outside at work sites in order to get the practical exposure.

COURSE OUTLINE :

1. Introduction to various tools and equipment commonly used in carpentry work.
2. Study of following building materials with their characteristics, available market forms, preservation, appropriate use and common tests.
 - Timber, bamboo, thatch
 - Roofing tiles.
3. Following standard timber constructions shall be covered including simple timber joinery required.
 - Doors – Frameless, ledged, braced, battened, paneled, glazed, solid and hollow core flush and their combinations.
 - Windows – frameless, ledged, battened, glazed etc.
 - Staircases – terminology and construction
 - Roofs : sloping, lean to, coupled, collar, etc Fixing of clay tiles for roofs.
 - Floors : single and double floors, framed construction, Introduction to steel girder and T joist floors with stone tile fillers and concrete topping with IPS finish .
 - Balconies.
4. Study of Earthquake resistant structures and Disaster Management.
 - Introduction to the concept of disaster and significance of the subject to the overall building design
 - Introduction to earthquake, its magnitude and its effects to underline the need to safe design of buildings.
 - Introduction to types of earthquakes and its brief history.

SESSSIONAL WORK :

Sufficient number of projects to cover the topics mentioned above should be worked in class.

Stress should be given on self study and site visits to understand the basics of construction technology together with drawings.

REFERENCE READING

To understand basic fundamental principles in construction following books are recommended

- Elements of structure by Morgan
- Structure in Architecture by Salvadori

Studying standard building construction

- Building construction by Mckay W. B., Vol. 1 to 4

- Construction of Building by Barry, Vol. I to V
- Construction Technology by Chudley R. Vol. I to IV

To study building materials

- Engineering Material – Chaudhary
- Building Construction Materials – M. V. Naik
- Civil Engineer's Hand Book – Khanna
- Vastu Rachana – Shri Sane
- National Building code and ISI specifications.

SUBJECT CODE : 113426		THEORY OF STRUCTURES I - SS	
SUBJECT CODE : 113427		THEORY OF STRUCTURES I - Theory	
TEACHING SCHEME		EXAMINATION SCHEME	
Lecture Periods	2	Theory Paper on contents of both terms at the end of term II	100 marks
Studio Periods	2	Sessional Term I	50 marks
Total Contact Period (Per Week)	4	Sessional Term II	50 marks
		Viva-voce	nil
		Total Marks (Sessional)	100

Term I :

COURSE OBJECTIVES :

To help students, understand the basic principles of structural behavior and requirements of buildings with emphasis laid more on expositions of principles involved rather than situational intricacies and computational rigour.

COURSE OUTLINE :

1. Statics : System of coplanar forces and conditions of equilibrium analytical and graphical treatment .
2. Reactions for simple statically determinate beams with simple loads and their combination analytical treatments.
3. Bending moment and shear force diagrams for simple beams with simple loading.
4. Centre of gravity and moment of inertia of geometrical figures and structural sections, analytical treatments.
5. Graphical analytical solutions of frames.

SESSIONAL WORK :

'Sessional Work' to be done as stipulated below:

Bending moment and shear force diagrams for simple beams.

Graphical solution to at least two types of perfect frames.

Minimum two tutorials based on problems set on topics under course outline.

RECOMMENDED READINGS.

1. Strength of Material by Khurmi R. S.
2. Applied Mechanics and Strength of Materials by Khurmi R. S.
3. Text-Book of Applied Mechanics by Khurmi R. S.

Term II :

COURSE OBJECTIVES :

To help students, understand the basic principles of structural behavior and requirements of buildings with emphasis laid more on expositions of principles involved rather than situational intricacies and computational rigour.

COURSE OUTLINE :

1. Stress, strain, elastic constants, elastic behaviour of material, Hook's law and yield point, stress strain diagrams for steel, timber and concrete.
2. Compressive, tensile and shear stresses and strains
3. Theory of simple bending, bending moment and moment of resistance, section modulus.
4. Bending and shear stress distribution in simple sections.
5. Direct and bending stresses in compression members.
6. Deflection in simply supported beams and cantilevers. Double integration method (Problems of full, uniformly distributed load and point load only).
7. Concept of statically indeterminate structures. Degree of indeterminacy.
8. Propped cantilevers : Standard loadings

SESSIONAL WORK :

'Sessional Work' to be done as stipulated below:

Minimum four tutorials based on topics under course outline.

RECOMMENDED READINGS.

1. Strength of Material by Khurmi R. S.
2. Applied Mechanics and Strength of Materials by Khurmi R. S.
3. Text-Book of Applied Mechanics by Khurmi R. S.

SUBJECTCODE : 113428 HISTORY OF ARCHITECTURE AND HUMAN SETTLEMENT I - SS			
SUBJECTCODE : 113429 HISTORY OF ARCHITECTURE AND HUMAN SETTLEMENT I - Theory			
TEACHING SCHEME		EXAMINATION SCHEME	
Lecture Periods	3	Theory Paper on contents of both terms at the end of term II	100 marks
Studio Periods	-	Sessional Term I	50 marks
Total Contact Period (Per Week)	3	Sessional Term II	50 marks
		Viva-voce	nil
		Total Marks (Sessional)	100

Term I :**COURSE OBJECTIVES :**

Broad study of periodic history of culture, architecture and human settlements of specified western civilizations with reference to formative influence and salient architectural contributions in terms of structural technology, planning and form of significant building types. (Stress to be laid on comparative and critical studies so as to develop among students habits of reading and research as well as sympathetic awareness of architectural heritage in the environment bearing significance to periodic history under study.

COURSE OUTLINE :

Broad study of the following periods and representatives examples of architectural history of concerned Western civilizations / countries in keeping with the aforesaid objectives.

1. **Pre – historic Period :**
Housing forms in the initial phase-Cave shelters , Known dwellings and settlements, community structures, Tombs, menhir, temple, stone henge, dolmen
2. **Egyptian Period**
 - 1) Influence of socio-political system and climate
 - 2) Architectural Character
 - 3) Major building types Tombs, Temples

- 4) Elements of special attributes like column, styles, gateways, pillars, statues, hieroglyphic, & frescoes.

3. West Asiatic Civilizations

- 1) Architectural Character of Sumerian Assyrian, & Persian Architecture
- 2) Building Types- Temples: Ziggurat
Gateway: Ishtar gate
Palaces of Persepolis & Palace of Steliphon
- 3) Elements of Special Attribute
Statues of winged bull
Bas Relief works in ceramics
Column Style

4. Greek & Aegean, Mycenaean, Cretan Civilizations

- 1) General Architectural Character of Aegean, Cretan, & Mycenaean Architecture
- 2) Socio Political & geo climatic status for Greek civilization
- 3) Architectural Character of Greek Architecture and Civilisation
- 4) Major building types
Temples, Theatres, Agora, Stoa, Open air theatres, Council halls
Civic structures, Hippodrome
- 5) Elements of Special Attributes
Column Orders, Optical Correction,
Construction Techniques.

Sessional Work

The 'Sessional Work' shall comprise of the following.

- (i) A hand written journal with notes and manual sketches of representative examples
(10 marks)
- (ii) A graphically presented or a written report with illustration of Any One of the topics to be individually elected and completed under the periodic supervision and guidance of the subject teacher. (20 marks)
 - (a) Scaled manual documentation of field studies of precincts, streets, building or parts thereof and artifacts bearing significance to the periodic history under study (not more than two half imperial sized sheets A2 – 420 x 594 mm each)
OR
 - (b) Graphically illustrated and annotated manual presentation on 'Style identification' of Building or parts thereof bearing significance to periodic history under study (not more than two half imperial sized sheets (42 – 420 x 594 mm each).
OR
 - (c) A hand written illustrated report of not more than 1000 words on comparative study of architectural features, motifs, design themes and typological planning evolutions in the periodic history under study. (20 marks)

Term II :

1) Roman Civilisation

- 1) General Architectural Character
- 2) Major Building Types
Tombs Temples, Amphitheatre,
Hippodrome, Circus, Palaces,
Arches, Bridges, Aqueduct, Thermae,
- 3) Elements of Special Attribute
Roman Column Orders, Roman Construction Technology,
Masonry Types

2) Mayan, Inca, Mexican Civilisation

- 1) General Architectural Character with description

2) Elements of Special Attributes

3) Chinese Civilisation

1) General Architectural Character with description of elements of special Attributes

Sessional Work -

The 'Sessional Work' shall comprise of the following.

- (i) A hand written journal with notes and manual sketches of representative examples (10marks)
- (ii) A graphically presented or a written report with illustration of Any One of the topics to be individually elected and completed under the periodic supervision and guidance of the subject teacher. (20 marks)
 - (a) Scaled manual documentation of field studies of precincts streets, building or parts thereof and artifacts bearing significance to the periodic history under study (not more than two half imperial sized sheets A2 – 420 x 594 mm each)
OR
 - (b) Graphically illustrated and annotated manual presentation on 'Style identification' of Building or parts thereof bearing significance to periodic history under study (not more than two half imperial sized sheets (42 – 420 x 594 mm each).
OR
 - (c) A hand written illustrated report of not more than 1000 words on comparative study of architectural features, motifs, design themes and typological planning evolutions in the periodic history under study. (20marks)

Recommended Readings

A. B. Gallion : Urban Pattern.
Pt. Jawaharlal Nehru, 'Glimpses of world history"
Geoffrey and Susan Jellicoe: Landscape of Man
Sir Bannister Fletcher, The History of Architecture
J.E. Swain: History of World Civilisation
H.G. Wells: A short History of the World
Sybil Moholy Nagy : The Matrix of Man
Dora Crouch: History of Architecture
Arnold Toynbee: A study of Architecture
Dora Crouch: Traditions in Architecture
J.Bronowski: The Ascent of Man
Spiro Kostof: History of Architecture
Gerald Burke : Towns in the Making.

SUBJECT CODE : 113430 DESIGN FUNDAMENTALS IN ARCHITECTURE I - SS			
SUBJECT CODE : 113431 DESIGN FUNDAMENTALS IN ARCHITECTURE I - Theory			
TEACHING SCHEME		EXAMINATION SCHEME	
Lecture Periods	2	Theory Paper on contents of both terms at the end of term II	100 marks
Studio Periods	-	Sessional Term I	50 marks
Total Contact Period (Per Week)	2	Sessional Term II	50 marks
		Viva-voce	nil
		Total Marks (Sessional)	100

Term I :

COURSE OBJECTIVES :

Introduce students to Architectural Design as core subject of architecture studies.

Understand the relationship of Design Fundamentals of Architecture with other subjects of study.

Progressively introduce the design process as a synthesis of variety of factors analyzed and studied.

COURSE OUTLINE :

1. Introduction to Architectural design as a core subject and its relationship with other studies and subjects
2. Scope and study of Architecture in relation to Art and Technology
3. Scope and study of Building and climate
4. Passive Design policies for Indian climate
5. Scope and study of Building and site
6. Scope and study of orientation of internal spaces of buildings
7. Scope and study of circulation.

SESSIONAL WORK :

Sufficient number of projects to cover the above topics. (30 marks)

Additionally Sessional Work shall consist of minimum four tutorials based on the above topics. (20 marks)

RECOMMENDED READINGS :

1. Structure in Architecture – Heller Robert and Salvadori Mario
2. Design Fundamentals in Architecture – Prammar
3. Architecture : Form, Space and order – Francis D. K. Ching

Term II :

COURSE OBJECTIVES :

Introduce the design process as a synthesis of a variety of factors, analyzed and studied.

Develop a perception of space and a sense of visualization with the help of tools like sketches, drawings, models, computer animation etc.

COURSE OUTLINE :

- Conceptual outline of scope of Architectural structures, consideration of climate, site and circulation in designing efficient activity spaces.
- Brief outline of Basic components of Architectural structure
- Structural efficiencies of materials, Loads and Stress – Situations.
- Principal determinants of 'Form'
- Performance analysis of conventional material, structural efficiencies.
- 'Formal' characteristics of 'Supporting' and 'Supported' elements of conventional structural materials.
- Conceptual comparison of various structural systems.
- Process of Architectural Designing, underlining its implicit need to match the emphasis on technical and aesthetical components. Guidelines on proto-type approaches.

SESSIONAL WORK :

Sufficient number of projects to cover the topic. (30 marks)

Minimum four tutorials based on above topics. (20 marks)

RECOMMENDED READINGS :

1. Structure in Architecture – Heller Robert and Salvadori Mario
2. Design Fundamentals in Architecture – Prammar
3. Architecture : Form, Space and order – Francis D. K. Ching
- 4.

SUBJECT CODE : 113432		WORKSHOP AND MODEL MAKING - SS	
TEACHING SCHEME		EXAMINATION SCHEME	
Lecture Periods	-	Paper	nil
Studio Periods	3	Sessional Term I	50 marks
Total Contact Periods (Per Week)	3	Sessional Term II	50 marks
		Viva-voce	nil
		Total Marks (Sessional)	100

COURSE OBJECTIVES :

To elaborate upon the importance of model making.

To acquire the skill in constructing three dimensional forms using different model making materials and equipment, using different scale.

To develop dexterity of hand in manipulation of different materials.

Introduction to materials used for model making.

Use of instruments and adhesives required for model making.

COURSE OUTLINE:

TERM-I

- Introduction to various materials used for model making.
- Use of various instruments required for model making.
- Use of various adhesives and joining techniques.
- Importance of appropriate use of colors in model making and methods of coloring the models.
- Experiments with various materials and equipment in terms of preparation of basic forms / geometrical forms with appropriate scale and dimensions.
- Introduction to various types of models such as site model, study model, block model and finished presentation models.
- Importance of various types of models to appropriate stages of Architectural Design.
- Use of appropriate scales, suitable to various types of models.

TERM-II

- Study and preparation of model of a complete built structure.
- Elementary joinery in wood and plywood.
- Working with metal sheets, wires, etc.
- Tools used for stone and brick masonry and surface covering.
- Models of Interior Spaces.

It is recommended that the similar assignments of model making as required in Subjects of Architectural Design, Building Construction & Materials, Basic Design may be coordinated as a part of Workshop Studio instead of repeating models on the same topics.

SESSIONAL WORK:

Sufficient number of projects to cover the topics mentioned above should be worked in class.

RECOMMENDED READINGS

- New Origami Arts.
- Model building for Architects & Engineers by John Taylor.
- Architectural Models by Rolf Janke.

DETAIL SYLLABUS

FOR

SECOND YEAR

BACHELOR OF ARCHITECTURE

(Second Year B.Arch.)

(to be implemented from 2009-10)

FACULTY OF ENGINEERING

BOARD OF STUDIES IN ARCHITECTURE

SECOND YEAR B.ARCH

Sr. No.	Name of Subject	Teaching Scheme			Examination Scheme		
		Lecture Periods	Studio Periods	Total Periods	Paper Marks	Sessional Marks	Total Marks
1	Basic Design II	1	4	5	--	300	300
2	Architectural Design II	2	5	7	--	300	300
3	Arch. Drg. & Graphics II	1	4	5	--	200	200
4	Bldg. Tech. & Materials II	2	4	6	100	300	400
5	Theory of Structures II	2	2	4	100	100	200
6	H.A. & H.S. II	2	1	3	100	100	200
7	Building Services I	1	1	2	100	200	300
8	Building Sciences	1	3	4	--	100	100
	TOTAL	12	24	36	400	1200	2000

UNIVERSITY OF PUNE.

SECOND YEAR B.ARCH.

BASIC DESIGN-II (sessional)			
Teaching Scheme		Examination Scheme	
		Paper	nil
Lecture Periods	1per week.	Sessional (Internal)	75 marks per term Total-150 marks
Studio Periods	4 per week.	Sessional (External)	75 marks per term Total-150 marks
Total Periods	5 per week.	Viva-Voce	nil
		Total Marks for two terms.	300 marks

OBJECTIVES :

This subject aims to provide the students with a sound background in design skills by treating Design as a basic creative activity. It focuses on improving creativity through practicing certain established methods & exercises in creativity and tries to draw inspiration from and establish analogies between other creative arts and architecture.

COURSE OUTLINE :

1. Creation, Creativity and Motivation for architects
2. Psychological qualities, skills & behavior for creativity
3. Role of Experience and Memory in Design
4. Role of Fantasy, Imagination and Reality in Design
5. Blocks to Creativity : Physical and Mental
6. Techniques for improving Creativity :
 - a. Brainstorming
 - b. Lateral Thinking
 - c. List of Mental Associations
 - d. Random Combinations
 - e. Matrix of Ideas
 - f. Use of Manipulative verbs
 - g. Tree of Possibilities
 - h. Abstraction
 - i. Transformation
 - j. Use of the Ridiculous
7. Sources of Inspiration for Architectural Creativity :
 - a. Material
 - b. Geometry
 - c. History
 - d. Nature & Climate
 - e. Mimesis
 - f. Paradox & Exotic & Multicultural
 - g. Association with other arts
 - h. Architectural Biographies

SESSIONAL WORK

Sufficient number of projects should be undertaken to cover the topics. The nature of projects would vary to suit the topics. Documentation of these exercises will be done in A3 size portfolio. Topics 1 to 5 will carry 15% of total marks, topics 6a to 6j will carry 35% of total marks and topics 7a to 7h will carry 50% of total marks. The institutes may take up any 7 topics from 6a to 6j and any 6 topics from 7a to 7h.

REFERENCE BOOKS

1. Graphic Thinking for Architects and Planners by Paul Lassau
2. Poetics in Architecture : Theory of Design by Anthony Antoniadis
3. Architecture : Form Space and Order – Francis D. K. Ching
4. Interior Spaces : Francis D K. Ching
5. Pattern Language – Christopher Alexander
6. Sharpen your team skills & creativity – British Council Library
7. Design of Cities – British Council Library
8. Looking and Seeing Series – British Council Library
9. How architects visualize – SCOA library
10. Art, Architecture Parallels & Connections – SCOA library
11. Design Source Book – BNCA library

TEACHING PLAN

Total Number of projects should be between 12 to 15 in a year (3 to 4 Nos. in topics 1 to 5, and 4 to 6 Nos. in topics 6 and 7 each.)

NATURE OF PROJECTS

Topic numbers 1 to 5 could be in the form of lectures to introduce the subject to the students. They must be documented in form of notes and sketches but may or may not be supported by exercises.

Whereas topic number 6 and 7 should be in the form of exercises followed by documentation in A3 size sheets. The nature of exercises will vary from topic to topic and will be oriented towards exploration of the topic by the students Preferably, the analogy or application of each topic towards architecture is to be made explicit.

ARCHITECTURAL DESIGN-II (sessional and viva)			
Teaching Scheme		Examination Scheme	
		Paper	nil
Lecture Periods	2 per week.	Sessional (Internal)	50 marks per term Total-100 marks
Studio Periods	5 per week.	Sessional (External)	50 marks per term Total-100 marks
Total Periods	7 per week.	Viva-Voce	50 marks per term Total-100 marks
		Total Marks for two terms.	300 marks

AIM :

To introduce the students to the various approaches to design process and to impart understanding of various design parameters related to climatic sustainability and seismic resistance along with functional, aesthetic and structural aspects.

TERM-I

Objectives:

1. Introduction of Architectural spaces for multiple activities.
2. Application of climatic consideration as strategic design parameter with respect to human comfort and energy consumption.
3. Introduction to various design process like binary, cyclic, intuitive etc and the importance of literature and case studies in the design process.

Course Outline:

1. Problem seeking and solving within the framework of the design program requirements, inter-relation of spaces, response to climatic parameters etc by means of cyclic and binary design process.
2. Imbibe understanding of built and open spaces by means of rational analysis and intuitive perception.
3. Locating and documenting required contextual information from appropriate sources.
4. Introduction to the application of various tools used for design process such as use of grid, regulating lines, modules etc.

Sessional work:

Sufficient number of projects to be given as assignments to cover the course. Emphasis should be given on the 3-dimensional studies through sketches, study models etc. at various stages of design process. Written description about design should be encouraged as an activity to initiate and sustain a logical and rational thought process for the same.

Teaching plan:

1. At least one project to study, analyze and compare a private residential unit and a small building of public use with respect to the spaces, their inter-relation, scale, ambience, Technology and material for construction, details of doors windows etc..
2. Two projects of six weeks duration for design of building for residential use and small facility of public use. Elements of site planning should be introduced and incorporated in the layout.
3. One Project of one week duration for design of specialized indoor or outdoor space.

Sessional Assesment :

1. 15% of the total marks to be allotted for the study and analysis of the architectural spaces.
2. Out of the remaining 85% marks for the Architectural design proposals, the break-up of marks should be as follows:
 - 20% marks to be allotted for evolving a rational for design.
 - 50% marks to be allotted for development of concept into a workable design
 - 10% marks to be allotted for awareness of climatic design parameters and their application.
 - 20% marks to be allotted for proficiency in Graphical and verbal communication skills (Drawings, models, sketches, and verbal explanation skills etc.)

Term-II

Objectives:

1. Understanding of the co-relation of **visual aesthetics** study of basic design exercises with architectural building forms and spaces.
2. Application of climatic design parameter with reference to human comfort and energy conservation..
3. Understanding of the context for the design proposals.
4. Introduction and application of planning approaches for site planning and layout of multi-building campus on level and sloping site.
5. Application of the design parameters for earthquake resistant structures of load bearing building construction systems

Course Outline:

1. Concept development of a given design program on the basis of the basic design principles using various tools like sketches and models and by means of using cyclic and binary design process.
2. Application of layout principles for an architectural development having more than one building.
3. Detailing the basic services(water supply & drainage) and the structural system for their design proposals with specific emphasis on seismic resistant load bearing structures.
4. contextual architectural proposal by studying a settlement and working on a architectural program in that settlement.

Sessional work:

Sufficient number of projects to be given as assignments to cover the course. Emphasis should be given on the 3-dimensional studies through sketches, study models etc. at various stages of design process. Written description about design should be encouraged as an activity to initiate and sustain a logical and rational thought process for the same.

Teaching plan:

1. One project of studying a settlement having primary, secondary and tertiary occupational activities and population between 25,000 to 50,000 persons, by means of surveys and analysis.
2. One to two projects of six to eight weeks duration for design of buildings of varied typology. At-least one project should be based on the settlement studies. Principles of layout should be introduced and incorporated in the layout. Interior furniture layout should be worked out for the proposal.
3. One Project of generating working drawing for their design proposal.
4. One project of detailing the provision of basic services (water supply and drainage) for their design proposal.

Sessional Assessment :

1. 15% of the total marks to be allotted for the study and analysis of the settlement.

2. 20% of the total marks to be allotted for the generation of working drawing and services layout.
3. Out of the remaining 65% marks for the Architectural design proposals, the break-up of marks should be as follows:
 - 30% marks to be allotted for evolving a rational for design.
 - 60% marks to be allotted for development of concept into a workable design.
 - 10% marks to be allotted for proficiency in Graphical and communication skills (Drawings, models, sketches, etc.)

Recommended Reading :

- Francis D.K.Ching -Architecture: form space and order
- Paul Lassau -Graphic thinking for Architects and planners
- Anthony Antoniadis -Poetics in Architecture: Theory of design
- A.P. Kanvinde- Campus Planning in India
- Le Corbusier- The Modular.
- Le Corbusier- Towards the new Architecture.
- Watson Donald and Labs Kenneth. -Climatis Design
- John R. Mather -Climatology: Fundamentals and Application
- Maxwell Fry And Jane Drew -Tropical Architecture
- Christopher Alexander- Pattern Language
- Pierre Von Meiss -Elements of Architecture from form to place
- Jonathan A. Hale -Building Ideas. An introduction to Architectural Theory.
- Robert Sommer. -Design Awareness
- C.M. Deasy -Design for Human Affairs

Architectural Drawing And Graphics II (sessional)			
Teaching Scheme		Examination Scheme	
		Paper	nil
Lecture Periods	1 per week.	Sessional (Internal)	50 marks per term Total-100 marks
Studio Periods	4 per week.	Sessional (External)	50 marks per term Total-100 marks
Total Periods	5 per week.	Viva-Voce	nil
		Total Marks for two terms.	200 marks

Objectives:

To understand and practice the application of the various techniques of perspective, sciography, CAD and advanced presentations in Architectural Design.

Course outline: Term One

UNIT I: Perspective Drawing: The topic of perspective drawing will consist of drawing exercises on :

- Understanding the application of principles of perspective drawing.
- Drawing perspective views by one point and two point perspective methods.
- Perspective by measuring point method.

- Perspective views of interior designs by projection / measuring point method.

UNIT II: Sciography: The topic of sciography drawing will consists of drawing exercises on

- Principles of shades and shadows.
- Drawing shades and shadows of lines, planes, solids and architectural features in plan, elevations and isometric view
- Shades and shadows of typical building on plan, elevation and perspective.

Term Two

UNIT III Presentation Drawings:

Complete presentation drawings of architectural design project with plans, elevations, sections and perspective views of building by any method of drawing perspectives showing landscape, human figures, accessories and street furniture etc.

UNIT IV CAD

All commands in latest version of CAD software in 2D and application to prepare sketch, presentation and working drawings.

Assignments for sessional work:

- Adequate number of drawings covering all aspects mentioned in course outline.
- A complete presentation including concept sheet, site plan with landscape design, all floor plans, four elevations and appropriate number of sections, part sections and strip sections to explain the building design.
- A3 size sketch book with interior and exterior sketches of individual buildings, building complex, streetscapes, vehicles, street furniture and human figures.

Teaching Plan

Term One

1) Perspective drawings:

The topic of perspective drawing will consists of drawing exercises on

- Principles of perspective and terminology
 - One point perspective
 - Two point perspective
 - Measuring point method
 - Exterior views of Architectural Design projects
 - Interior views of Architectural Design projects
- [Approximately 9 sheets]

2) Sciography:

The topic of sciography drawing will consists of drawing exercises on

- Principles of shades and shadows

- Drawing shades and shadows of point, line, plane, solids and building elements in plan, elevation and isometric
- Drawing shades and shadows in site plan, elevations and perspectives of Architectural Design project
[Approximately 10 sheets]

Term Two

3) Presentation drawings:

The submission program will include plan, elevations, sections, exterior and interior perspective [drawn by any method mentioned above in teaching plan for Perspective Drawings] drawings of Architectural Design project of second year B. Arch.

4) CAD drawings:

CAD submission will consist of one set of detail drawings of first Architectural Design project of the First Semester including all floor plans, sections, toilet details, staircase, doors and window details.

Sketching:

Submission program will consist A3 size sketch book with individual sketches prepared of building elements, street furniture, landscape elements, Architectural Design settlement study project and study tour.

SESSIONAL ASSESSMENT:

This subject has been allotted 100 marks for sessional work of each term out of which 50 marks have been allotted for Internal and 50 marks for External Marking totaling 200 marks for Term I and Term II together..

Recommended readings:

1	Architectural graphics:	C. Leslie Martin
2	Perspective for Architects:	Themes and Hudson
3	Perspective and Sciography:	Shankar Mulik
4	Mastering AutoCAD:	George Omura
5	Interior design:	Ahmed Kasu

Building Technology and Materials II (Paper, Sessional and viva)			
Teaching Scheme		Examination Scheme	
		Paper	100 marks at the end of term II
Lecture Periods	2 per week.	Sessional (Internal)	50 marks per term Total-100 marks
Studio Periods	4 per week.	Sessional (External)	50 marks per term Total-100 marks
Total Periods	6 per week.	Viva-Voce	50 marks per term Total-100 marks
		Total Marks for two terms.	100 marks (Paper) 300 marks (Sessional + viva)

OBJECTIVES:

- To introduce students to the structural principles of load bearing construction, with due importance to earthquake resistance, and with thorough knowledge of methodology and material used for such a construction
- To introduce students to the structural principles of RCC frame construction, with due importance to earthquake resistance, and basic knowledge of ferro-crete construction, along with study of reinforcement steel
- To study about composite type of construction with timber truss roof, structures of temporary nature, and masonry vaults and domes
- To study more about doors, windows, different types of fencing materials, gates and their use in construction
- To study different building materials such as reinforced cement concrete, structural steel, sheet roof coverings, different mortars and pointing & plastering techniques, different flooring materials, along with special construction details for timber flooring

COURSE OUTLINE :

TERM-I

UNIT-1: SOIL & FOUNDATION

- 1.1: Different types of soils and their bearing capacities.
- 1.2: Concept of bulb of pressure and its significance for site investigation
- 1.3: Different types of foundations, shallow & deep foundation, foundation for continuous and point load (foundation for load-bearing and frame structure), including eccentric and cantilever footing, foundation on sloping site, along with causes of failure of foundation.
- 1.4: Introduction to relevance of soil mechanics in foundation design, along with necessity of combined footings at certain places
- 1.5: Timbering and strutting for different types of soils.

UNIT-2: LOAD BEARING CONSTRUCTION

- 2.1: Basic fundamentals and principles of load bearing construction for medium-rise structures
- 2.2: Thumb rules for load bearing construction, with respect to thickness of superstructure and foundation wall, strengthening of walls, location & spanning of openings etc., along with earthquake resistant methods and norms *ASSIGNMENT-1*
- 2.3: Use of different materials for load bearing construction including brick, stone and stabilised mud block
- 2.4: Study of manufacturing of solid and hollow concrete blocks, and load-bearing construction with concrete blocks *ASSIGNMENT-2*
- 2.5: Masonry vaults and domes in brick, stone and stabilised mud block

UNIT-3: DAMP- & WATER-PROOFING

- 3.1: Causes of dampness and reasons for damp- & water-proofing
- 3.2: Different methods or treatments of damp- & water-proofing
- 3.3: Different materials, rigid and flexible, used in damp-proofing, including brick on edge, rough Shahabad stone, bitumen sheets, plastic sheets and other proprietary materials
- 3.4: Cavity wall construction

UNIT-4: T.W. DOORS WITH M.S. SAFETY DOOR

- 4.1: Framed and panelled t.w. doors along with revision of solid-core and hollow-core flush doors, with wooden and pressed steel box section door frame
- 4.2: Double-leaf partially glazed and partially panelled t.w. door, with m.s. grill safety door for the same, to understand fixing and working of two doors together.

ASSIGNMENT-3

UNIT-5: T.W. WINDOWS

- 5.1: Principles for selection and application of different types of wooden windows, along with introduction to bay windows.
- 5.1: Framed and panelled t.w. windows.
- 5.3: Typical glazed t.w. casement window with movable and fixed shutters and ventilators, along with fixed / movable, glazed / wooden louvers.

ASSIGNMENT-4

UNIT-6: T.W. ROOF

- 6.1: Introduction to timber roof truss.
- 6.2: King-post & Queen-post roof truss, with line diagram of trusses and forces in members
- 6.3: Built-up and Composite roof truss *ASSIGNMENT-5*
- 6.4: Study of different sheet roof covering material viz. asbestos cement, galvanised iron, aluminium, asphaltic, fibreglass reinforced plastic, polycarbonate and other, along with fixing details.

UNIT-7: SPECIAL CONSTRUCTION

- 7.1: Purpose of providing specialised timber flooring
- 7.2: Specialised timber flooring for dance hall, sports hall, gymnasium etc.
- 7.3: Study of available market forms of timber flooring along with parquet flooring details.

TERM-II

UNIT-8: REINFORCED CEMENT CONCRETE CONSTRUCTION

- 8.1: Introduction to concrete as a material
- 8.2: Study of its ingredients viz. binding material, fine aggregate, coarse aggregate and water in detail, along with storage of materials on site, understanding good quality material and field & lab tests involved

8.3: Reinforcement steel and steel-mesh reinforcement, along with role of reinforcement in RCC

8.4: Reinforced concrete construction process with mixing of concrete, transportation, formwork, laying of reinforcement, casting, de-shuttering, curing and further construction to follow

8.5: RCC frame structure for smaller spans generally applicable to residential structures, along with earthquake resistant conditions and norms, reference of a RCC drawing and concerned site-visit required for study of elements of RCC frame structure.

R.C.C structural details up to plinth .. viz. footings, columns, external and internal plinth beams, with plinth formation, with details for toilet block *ASSIGNMENT-6*

R.C.C floor slab details ..viz. one-way, two-way and cantilever slabs, column-beam-slab junction, with details for toilet block, also lintel & weather-shed *ASSIGNMENT-7*

8.6: Introduction to ferro-crete as a material and construction method

UNIT-9: STRUCTURAL STEEL

9.1: Introduction to Structural steel as a material in frame construction

9.2: Market forms of steel, with reference to Indian Standard Sections

9.3: Appropriate use of sections in construction.

9.4 Use of structural steel for small shed such as cafeteria, godown, factory shed shall be studied for spans up to 10 mts .using roofing sheets. *Assignment 8.*

UNIT-10: M.S. WINDOWS AND DOORS.

10.1: M.S. doors such as collapsible gates and rolling shutters..

10.2: Other modern steel gates for residential and commercial purpose, and automation / modern technology involved

10.3: Steel-framed glazed window using Z-section and pressed steel box frame or wooden frame. *Assignment-9*

UNIT-12: COMPOUND WALL , FENCING AND M.S GATES.

12.1: Compound walls in brick, stone, c.c. blocks, concrete grills or other pre cast elements

12.2: Fencing using different materials like wood, bamboo, steel, barbed wire, chain-link, weld-mesh and other available materials in market

12.3: Details of construction / erection of compound wall fencing and suitable gate for an open plot, with due consideration to design parameters

The above information will be collected by the students/group of students and one drawing shall be prepared showing typical fencing and m.s gate details. Assignment10

UNIT-13: TEMPORARY STRUCTURES

13.1: Understanding requirements of temporary structures

13.2: Study of locally available materials and simple method of construction for these structures through case studies

13.3: Temporary structures viz. cow-shed, onion store, grain store, contractor's site office, exhibition *pandal* or any other multipurpose shed **.....Notes and sketches.**

UNIT-14: CEMENT MORTAR, PLASTERING & POINTING

14.1: Cement mortar and various additives & admixtures

14.2: Cement lime mortar, and other types of traditional mortars

14.3: Pointing and finishing techniques for exposed masonry work

14.4: Plastering including internal plaster finishes viz. neeru-finish plaster, texture plaster & other proprietary types, and external plaster finishes viz. sand-faced plaster, rough-cast plaster, pebble-dash plaster, grit plaster & other proprietary types

UNIT-16: FLOORING AND PAVING

15.1: Different flooring & paving materials

15.2: Different flooring & paving types that are cast-in-situ viz. Mud flooring, Brick flooring, Indian Patent Stone finish, Terrazzo flooring etc. and readymade tiles available in market viz. natural stone tiles / slabs, plain & mosaic cement tiles / blocks, ceramic tiles, vitrified tiles and other modern materials, including the process of providing or laying the flooring or pavement

15.3: Floor finishes of various materials viz. carpet, linoleum, rubber, PVC etc.

RECOMMENDED READING:

To understand basic, fundamental principles in construction, following books are recommended:

1. 'Elements of Structure' by Morgan
2. 'Structure in Architecture' by Salvadori

To study standard building construction:

1. 'Building Construction' by Mackay W. B., Vol. 1 – 4
2. 'Building Construction' by Barry, Vol. 1 – 5
3. 'Construction Technology' by Chudley, Vol. 1 – 6
4. 'Building construction Illustrated' by Ching Francis D. K.
5. 'Elementary Building Construction' by Michell
6. 'Structure and Fabric' by Everet

To study building materials:

1. 'Engineering Materials' by Chaudhary
2. 'Building Construction Materials' by M. V. Naik
3. 'Civil Engineers' Handbook' by Khanna
4. 'Vastu Rachan' by Y. S. Sane

5. National Building Code and I.S.I. Specifications
6. 'Materials and Finishes' by Everet
7. 'A to Z Building Materials in Architecture' by Hornbostle

TEACHING PLAN:

The subject of Building Technology and Materials shall be covered by teaching the fundamental principles and its application in actual construction by conducting sufficient number of site visits and practical at the construction yard. The sessional assignments shall consist of library research, preparing adequate number of drawings based on classroom lectures, market survey and actual visits to the site. Assignments can also be done in groups like models etc.

While setting the assignments care shall be taken to link this subject with other subjects especially Architectural Design and not learn in isolation.

Assignments will be set only for certain topics as specified in the above-mentioned sub-units.

The learning process should give students more exposure to the on-site training, at the same time developing the skills in drafting, sketching and innovative use of computers in preparing 3D animations etc. and use of simple software such as sketch up etc. so as to understand the teaching principles thoroughly.

SESSIONAL ASSESSMENT:

Sessional work will carry 150 marks per term, out of which 50 marks are reserved for internal assessment, 50 marks for external assessment and a joint viva-voce will be conducted and both the examiners will give marks out of 50 for the viva examination.

THEORY OF STRUCTURES II (Paper and Sessional)			
Teaching Scheme		Examination Scheme	
		Paper	100 marks at the end of term II
Lecture Periods	2 per week.	Sessional (Internal)	25marks per term Total-50 marks
Studio Periods	2 per week.	Sessional (External)	25 marks per term Total-50 marks
Total Periods	4 per week.	Viva-Voce	nil
		Total Marks for two terms.	100 marks (Paper) 100 marks (Sessional)

OBJECTIVES :

1. To understand concept of load bearing and framed construction.
2. To understand the behavior of various structural elements in load bearing and simple framed construction.

COURES OUTLINE :

Unit I : Introduction to principles of load bearing construction and introduction to arches.

Unit II : Analysis and designed of simple beams in timber, steel and introduction to fletched beams (No. calculations).

Unit III : Detailed Analysis of fixed beams, introduction of short and long columns.(No calculation)

Unit IV : I.S. provision for load bearing ,R.C.C. and Reinforced Brick Construction.

Unit V : R.C.C. Analysis and Design.

Unit VI : Design of steel structure with connections.

Note : While teaching the subject of Theory of Structures Limit State Method shall be adopted instead of Working Stress Method.

RECOMMENDED READING :

1. Design of steel structures-Vazirani – Rathwani.
2. Design of steel structures- L.S. Negi.
3. R.C.C. Design – Khurmi, Punmia, Sushilkumar.
4. Elements of Structures – Morgan.
5. Structure in Architecture – Salvadon and Heller.
6. Structure Decisions – F. Rosenthal.

TEACHING PLAN :

1. Introduction to principle of Load bearing construction with relevant clauses from I.S. Code.
2. Study of two hinged and fixed arches. (Without numerical).

HISTORY OF ARCHITECTURE & HUMAN SETTLEMENTS II (Paper and Sessional)			
Teaching Scheme		Examination Scheme	
		Paper	100 marks at the end of term II
Lecture Periods	2 per week.	Sessional (Internal)	25marks per term Total-50 marks
Studio Periods	1 per week.	Sessional (External)	25 marks per term Total-50 marks
Total Periods	3 per week.	Viva-Voce	nil
		Total Marks for two terms.	100 marks (Paper) 100 marks (Sessional)

• **COURSE OBJECTIVES:**

Architectural History is the manifestation of the socio-cultural, intellectual and other factors of the specific time, space and people. It is necessary for students to develop interest in understanding styles, buildings, construction, and special attributing features in those contexts.

- **COURSE OUTLINE:**

The study includes the progressive developments of the requirements, architectural character and technological advancements of each period / style. The analytical study must include examples and sketches with highlighting the relevant features.

- **Term I**

1. **Early Christian Architecture:**

- Transitional socio-cultural, political and other factors.
- Basilican church typology: planning, construction and other features.
- Relevant examples for analytical studies.

2. **Byzantine Architecture:**

- Influence of socio-political, geo-cultural and other factors.
- Centralized church typology: Spatial planning, construction and other features.
- Relevant examples for analytical studies.

3. **Romanesque Architecture:**

- Influence of Early Medieval socio-political, cultural and other factors.
 - Church and the precinct: Architectural planning, constructional and other features.
 - Elements of special attributes: Campanile, raking arcade, wall-passage, triforium
- Relevant examples for analytical studies.

4. **Gothic architecture:**

- Influence of Late Medieval socio-cultural and other factors.
 - Cathedrals, Monastic establishments, Parish churches: spatial planning, construction and other architectural and structural features.
 - English and French church planning.
 - Secular architecture: Manor houses, castles.
 - Town planning principles.
 - Elements of special attributes: flying buttress, window tracery, stained glass.
- Relevant examples for analytical studies.

5. **Renaissance Architecture:**

- Influence of socio-cultural and other factors.
- Revivalism and synthesis of classical features.
- Churches, Palazzo, villa: spatial planning, construction and other architectural features.
- Elements of special attributes: Order, Balustrade, Cornice, rustication
- Town Planning principles.
- Post Renaissance: Baroque architecture.
- Relevant examples for analytical studies.

Sessional Work

The Sessional work shall comprise of individual work of the student completed under the guidance and supervision of the subject teacher as follows:

1. **Journal:** Hand written journal with notes and manually drawn sketches of relevant examples on the above mentioned syllabus contents: **30 marks**
2. **Project work:** a report or graphical representation or a model of any relevant topic from the above mentioned syllabus contents: **20 marks**

Term II

1. Indus Valley Civilisation:

- Influence of socio-political and geo-climatic aspects.
- Dwellings and Public Buildings: Architectural character, constructional features.
- Town planning principles.

Relevant examples for analytical studies

2. Vedic Civilisation:

- Influence of socio-political and geo-climatic aspects.
- Architectural and constructional features.
- Town planning principles.

Relevant examples for analytical studies.

3. Buddhist Architecture:

- Influence of socio-cultural aspects.
- Rock-cut architecture: Hinayana and Mahayana periods.
- Stupa, Chaitya, Vihara: spatial planning, architectural features.
- Elements of special attributes: free-standing pillars, railing, torana.

Relevant examples for analytical studies.

4. Hindu Architecture:

- Temples: spatial arrangements, construction, ornamentation.
- Elements of special attributes: columns, shikharas.
- Temple complex.
- Following styles to be studied with relevant examples:
 - a. Gupta Period.
 - b. Indo-Aryan / Nagara School: Khajuraho, Orissa school.
 - c. Dravidian School: Early Chalukyan, Rashtrakuta, Late Chalukyan.
 - d. Deccan Styles: Pallava, Chola, Pandya, Vijaynara, Madura.
 - e.

5. Jain Architecture:

- Chaumukh temple, Temple town.

6. Indo-Islamic Architecture:

- Socio-political influence.
- Building Types: Mosques, Tombs.
- Architectural character: Spatial arrangements, structural system, constructional features, surface ornamentations, fenestration details.
- Elements of special attributes: arch, dome.
- Following styles to be studied with relevant examples:
 - b. Delhi-Sultanate / Pathan Imperial.
 - c. Pathan Provincial: Gujrat, Deccan.
 - d. Mughal.
 - e. Post-Mughal: Maratha architecture: forts, temples, wada.

Sessional Work

The Sessional work shall comprise of individual work of the student completed under the guidance and supervision of the subject teacher as follows:

1. **Journal:** Hand written journal with notes and manually drawn sketches of relevant examples on the above mentioned syllabus contents: **30 marks.**
2. **Project work:** a report or graphical representation or a model of any relevant topic from the above mentioned syllabus contents: **20 marks.**

● **Recommended Readings:**

1. A History of Architecture by Sir Bannister Fletcher.
2. History of Architecture by Spiro Kostof.
3. The Story of Western Architecture by Bill Risebero.
4. Indian Architecture (Vol. I & II) by Percy Brown.
5. History of Indian and Eastern Architecture by James Fergusson.
6. Hindu India by Henry Stierlin.
7. Islamic Architecture in India by Satish Grover.
8. The History of Architecture in India by Christopher Tadgell.
9. A History of Fine Arts in India and West by Edith Tomory.

BUILDING SERVICES I (Paper and Sessional)			
Teaching Scheme		Examination Scheme	
		Paper	100 marks at the end of term II
Lecture Periods	1 per week.	Sessional (Internal)	25marks per term Total-50 marks
Studio Periods	1 per week.	Sessional (External)	25 marks per term Total-50 marks
Total Periods	2 per week.	Viva-Voce	nil
		Total Marks for two terms.	100 marks (Paper) 100 marks (Sessional)

AIM : To introduce students to the concepts of water supply, sanitation, electrification and equip them in its application to architectural design, so as to create hygienic and comfortable living conditions.

COURSE OBJECTIVES

- a. To introduce students to concepts of basic services and its applications.
- b. To equip students with the required information and technologies.
- c. Application of this knowledge in architectural design project.
- d. Evolving understanding in students to choose appropriate systems and integrate the same in their design projects.

TERM 1

COURSE OUTLINE.

- Introduction to sources of water. Elements of public water systems, quality of water, pumping and transportation of water, distribution systems, components of water supply network in a building premise, ferrule, water meter, stop cocks, bib cocks and pipe appurtenances. Overhead and underground reservoirs.
- Connections for hot and cold water distribution systems in a building premise, their layouts, fittings, joints, materials and valves. Direct and indirect systems of hot water supply. Solar heating methods. Special installations in multistoried buildings. Types of fixtures and materials.
- Rain water harvesting methods.
- Conditions of flow in building drainage pipes. traps, vents and their material specifications. Design of drainage and vent system for low, medium and high rise buildings. Design of storm water drainage, building drains, sewers, gully traps, inspection chambers, manholes, connection to public sewer.
- Waste water disposal systems, septic tanks, soak pits, on site processing and disposal methods.
- Collection, removal and disposal of solid waste from building premise.

TEACHING PLAN

Unit 1 Water Supply

- a. Tapping of water.
- b. Storage and distribution of water in premises.
- c. Pipes, piping network, specials, materials, joinery, installation of network both open and concealed.
- d. All appurtenances required for installations e.g. taps, faucets, mixing units, valves, flushing cisterns, flushing valves and other fittings.

Unit 2: Hot water supply.

- a. Direct and indirect systems of hot water supply, their components and equipments used for the same.
- b. Insulation of piping work and safety devices.
- c. Solar heating.

Unit 3: Drainage and sanitation.

- a. Study of sanitary fittings with reference to use, materials and functions.
- b. Traps and their uses. Classification of traps as per use and shape.
- c. Pipes and piping systems, specials, vent and anti-siphonage systems, jointing and installations.
- d. Storm water and roof drainage systems and their installations.
- e. Underground drainage systems with application of ventilation, self cleansing velocity, laying of drains to required gradients and testing of drains.
- f. Disposal of sewage within the premises using septic tanks, effluent treatment plants, their function and layouts.

Unit 4: Solid Waste disposal

- a. Collection, treatment and disposal of organic and inorganic waste, like traditional methods, garbage chutes, urban solid waste treatment systems, vermicomposting etc.

SESSIONAL ASSIGNMENT

Assignments shall consists of

1. Designing of toilet blocks in residential and public buildings and preparation of working drawings of the same, showing complete details of fittings and plumbing required for water supply and drainage.
2. Designing and preparing a complete water supply and drainage layout of an academic architectural design project, with all required calculations.
3. Compiling of required information collected from site visits, market surveys and other sources.

SESSIONAL ASSESMENT

1. 40% marks will be allotted for compilation of literature, brochures, material/product specifications, market surveys etc. As per assignment no.3 above.
2. 60% marks shall be allotted for service layout, with details. As per assignment nos. 1&2 above

TERM- II

COURSE OUTLINE

- Introducing students to different illumination systems; light sources; daylight; incandescent; fluorescent; arc lamps and lasers; luminaries; wiring; switches and control circuits.
- Laws of illumination; illumination from point, line and surface sources. Environment and glare, general illumination design; interior lighting- industrial, office, residential, commercial etc; exterior lighting- flood, street, transport, lighting for displays, neon signs, LED-LCD display beacons.
- Layout of different meters and protection units. Different type of electrical loads and hazard prevention . Selection of cable/wire sizes; emergency supply-stand by and UPS.

TEACHING PLAN

Unit 5: Lighting

- a. Indoor lighting- natural and artificial.
- b. Systems of lighting such as direct, indirect, diffused.
- c. Applications of lighting systems with reference to levels of illumination for various uses and lumen method calculations.
- d. Light fittings/ luminaries-All types of energy efficient lamps, optic fiber, led etc.

Unit 6: Electrification

- a) Introduction to generation and distribution of electric power in urban areas, substations for small schemes in industrial units.
- b) Electrical system installations in a building from the supply mains to individual outlet points, including meter board, distribution board and layout of points with load calculations.
- c) Electrical wiring systems for small and large installations including different material specification.
- d) Electrical control and safety devices- switches, fuse, circuit breakers, earthing, lightning conductors etc.

SESSIONAL ASSIGNMENT

Assignments shall consists of

- a. Preparing an electrical layout for part of design project, with load calculations. .

- b. Compiling of required information collected from site visits, market surveys and finding out latest trends and materials for the same.

SESSIONAL ASSESMENT

1. 40% marks will be allotted for compilation of literature, brochures, material/product specifications, market surveys etc.
2. 60% marks shall be allotted for service layout, with details.

• RECOMMENDED READING

- a. Johnson A- Plumbing
- b. Mitchell-Sanitation, Drainage, and Water Supply
- c. Peter Burberry-Environment and Services
- d. E.H.Blake-Drainage and Sanitation
- e. Kshirsagar-Water Supply and Sanitation Engineering
- f. Woolley Leslie-Drainage Details
- g. National Building Code 2005

BUILDING SCIENCES (Sessional)			
Teaching Scheme		Examination Scheme	
		Paper	nil
Lecture Periods	1 per week.	Sessional (Internal)	25marks per term Total-50 marks
Studio Periods	3 per week.	Sessional (External)	25 marks per term Total-50 marks
Total Periods	4 per week.	Viva-Voce	nil
		Total Marks for two terms.	100 marks (Sessional)

TERM 1 : CLIMATOLOGY

AIM :

To help students understand the methods of passive climatic control of the surrounding and energy efficiency in habitable spaces and integrating this in their architectural design process.

COURSE OBJECTIVES

- To understand the different climatic zones of world and evolution of traditional architecture in response to the same.
- To enable the students to read and interpret climatological data of the different climatic zones.
- Role of site planning and orientation in their architectural design.
- The role of landscape elements and paved areas in site planning and its impact on microclimate.
- Role played by building elements such as shading devices, fenestrations and its application to achieve comfort in building.

COURSE OUTLINE

Introduction to Climatology: To make application of climatology an integral part of their design. To make students aware of solar passive strategies, the principles of daylight and natural ventilation. To introduce ECBC rules and concept of green buildings.

OBJECTIVE:

To help students understand the use of surrounding environment as a strategic design parameter with respect to human comfort and energy conservation.

UNIT-1

- a) Introduction to climate as a factor of human shelter, comfort and environment.
- b) Its classification as global, macro and micro climate. Preparation of sketches showing earth-sun relationship and atmospheric depletion.
- c) Understanding maps showing ocean currents, wind pattern and wind shifts with respect to seasonal changes.
- d) Study of climatic zones along with traditional dwelling units.

UNIT-2

- a) Study of analysis of climatic zones (Hot –dry, Hot-Humid, Composite, Cold-dry, Cold-humid) in India along with data analysis.
- b) Study measurement and analysis of micro climatic elements and its use for a Designer.

UNIT-3

- a) Study of heat exchange process between human body and its surroundings with respect to criteria of comfort.
- b) Study of heat exchange processes between building along with periodic change and the calculations required for heat exchange.
- c) Study of bio-climate charts its analysis and extension of comfort zone with respect to given data and relating this with (b) of unit 2.

UNIT-4

- a) Design strategies for Indian climate zones with respect to various climate zones.
- b) Study of solar control with references to solar charts.
- c) Methods of calculating and designing of shading devices.
- d) Introduction to concepts of solar energy utilization in heating water such as Flat Plate collectors.
- e) Introduction to use of Solar energy in lighting in buildings such as Photovoltaic cells.
- f) Solar passive strategies-Principals of natural light and natural ventilation.
- g) Introduction to ECBC rules, Energy audit and Green buildings rating eg. TERI Griha, LEED etc.

SESSIONAL WORK (Total 50 Marks at the end of Term I)

- 01) Assignments based on analysis and design.
 - a. Analysis of bio-Climatic Charts.
 - b. Identification of climatic zones from given data.
 - c. Suggestions to extend comfort zone.
- 02) Site analysis with respect to micro-climatic elements.
 - a. Analysis of site and identification of suitable zone for building site for the first assignment done in Arch. Design

- 03] Design of appropriate shading devices for given openings for different orientation for the 2nd assignment done in Arch. Design.

Sessional work for 2 & 3 may be assessed in Arch Design III giving an allocation of 10% of the total marks allotted for Arch Design III

- 04] Study and analysis of an existing structure with respect to:
- a) Orientation
 - b) Opening size and shading devices.
 - c) Walls and roofs.
 - d) Internal space distribution with respect to activity Preparation of report in groups consisting of not more 10 students.
- 05) Journal with class notes and tutorials.

RECOMMENDED READING

- Climatology Fundamentals and application – John R Mather
- Introduction to Climatology – Anthony Sealey.
- Climatologically & Solar data for India – T. N. Seshadry.
- Climatic Design – Watson Donald.
- Manual of tropical housing and building – Koenigsberger & Ingersol.
- Tropical Architecture – Maxwell Fry & Jane Drew
- Design Primer for Hot Climate – Allan Konya
- Sun, Wind and Light by G. Z. Brown.
- Energy Efficient Housing by Mili Majumadar, Published by TERI.
- Climatically Responsible Energy Efficient Architecture by Arvindkrishnan.
- Housing Climate and Comfort by Martin Evans.

TERM II : SURVEYING AND LEVELLING

AIMS AND OBJECTIVES.

- To enable the students to get conversant with locating the object positions in horizontal and vertical plane with desired accuracy as needed for architectural profession.
- To prepare and interpret survey drawings.

Every effort will be made to relate the practical and field work and make it appropriate for the profession of Architecture and execution of building projects. Students should be exposed to latest modern gadgets available for precise work in the field and also use of computer software in this subject.

DETAILED SYLLABUS.

Unit I: Linear Measurements. Measurements in horizontal plane, survey stations, survey lines open and closed traverse, locating objects by chaining and offsetting, direct and indirect ranging, locating field boundaries and working out area of field, measuring distances with chain, tapes, ODM's ,EDM's, introduction to Total Station, survey accessories, measurements along sloping ground.

Unit II: Chain Surveying: Base line, tie lines, check lines.

Unit III: Directional and Angular Measurements. Magnetic and true meridian, Magnetic and true bearings, use of prismatic compass, calculation of included angles, Fore and back Bearings, declination plotting and adjustment of closed traverse.

Unit III: Levelling: Dumpy level, auto and tilting level, principle lines of leveling instrument, axis of telescope, axis of bubble tube, line of collimation, vertical axis recording by collimation plane method and rise-fall method, B.S/J.S/F.S, change point, level surface, horizontal surface, datum, Reduced Level/ elevation of a point, Bench Marks, GTS,PBM/ABM/TBM. Temporary Adjustments.

Unit IV: Contours: Characteristics, contour interval, direct and indirect methods of contouring, block contour surveys, profile leveling, longitudinal and cross sections, plotting the contours and profiles, gradient.

Unit V: Uses of Transit Theodolite. Measuring horizontal and vertical angles, calculation height of buildings, use of Theodolite as tachometer, tachometric tables, interpolation of contours.

Unit VI: Plane Table Surveys; Accessories used in plane tabling, methods of locating objects, methods of table orientation, Advantages and disadvantages.

Unit VII: Use of Planimeter: Area of zero circle, calculating area of irregular shape figures.

SUBMISSION ASSIGNMENT DETAILS.

Based on field measurements sheet entered in field book,

- 1) Calculation of area of field(Chain and cross staff survey)
- 2) Compass Survey.
- 3) Plane Table Survey.
- 4) Block Contour Survey.
- 5) Profile Levelling.

UNIVERSITY OF PUNE

DETAIL SYLLABUS

FOR

THIRD YEAR BACHELOR OF ARCHITECTURE

(Third Year B.Arch. & B.Arch. Interior Design) 2008 Course

(to be implemented from 2012-13)

FACULTY OF ENGINEERING

BOARD OF STUDIES IN ARCHITECTURE

THIRD YEAR B.ARCH. & B.ARCH. INTERIOR DESIGN

Sr. No.	Subject Code	Name of Subject	Head	Teaching Scheme			Examination Scheme		
				Lecture Periods	Studio Periods	Total Periods	Term I Marks	Term II Marks	Total Marks
1	313421	Architectural Design III	SV	4	6	10	250	250	500
2	313422	Architectural Design III	Theory				--	100	100
3	313423	Bldg. Tech. & Materials III	SV	2	5	7	150	150	300
4	313424	Bldg. Tech. & Materials III	Theory				--	100	100
5	313425	Theory of Structures III	SS	2	1	3	50	50	100
6	313426	Theory of Structures III	Theory				--	100	100
7	313427	Building Services II	SS	2	2	4	100	100	200
8	313428	Building Services II	Theory				--	100	100
9	313429	Landscape Arch. and Env. Sciences	SS	1	2	3	50	50	100
10	313430	Seminar on Contemporary Architecture	SS	2	--	2	50	50	100
11	313431	Working Drawing	SS	2	3	5	100	100	200
12	313432	Technical Communication	SS	1	1	2	50	50	100
		TOTAL		16	20	36	800	1200	2000

DETAIL SYLLABUS

Subject Code : 313421 ARCHITECTURAL DESIGN III. (Sessional and Viva) 313421 ARCHITECTURAL DESIGN III. (Paper)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	4	Term I and Term II Sessional (Internal) Sessional (External) Viva	100 marks (for each term) 100 marks (for each term) 50 marks (for each term)
Studio Periods per week	6	Total sessional marks for both terms	500 marks
Total Contact Periods per week	10	Paper	100 marks
		Total Marks	600 marks

AIM :

Introduce students to design of buildings with complexities related to services, structure and site planning to accommodate more than one building on a site and help the students to evolve the integrated understanding of the complex relationship between the form, function, context and aesthetics in a building.

OBJECTIVES

1. Introduction to Campus design with reference to design development of campuses developed in the past.
2. Integrating function, structure and services in a building, choice of structural system and resultant effect on visual form / aesthetics of building
3. Development of building design program from client or user's requirements and other social, economic and climate context.
4. Managing a design project – Management of time, compilation, documentation, presentation of information to others and self.
5. Labouring the design process, communicating the design.
6. Introduction to design philosophy.
7. Analysing multiple buildings to be accommodated within a campus and understanding their relationship with each other in context to continuity of form, construction and materials, design theme, climate, etc.
8. Analysing activities around the buildings within a campus and understand the same in context to relation of built form and open spaces, elements of landscape, pedestrian and vehicular movement, their segregation, managing sloping sites, contours, etc.
9. Designing of progressively complex spaces and buildings in terms of area, typology, function etc, with emphasis on either scale or complexity of the project, or both. Complex of low rise and medium rise nature, e.g. – Shopping Mall, Nursing homes / Hospitals with residences, Educational Campus for schools. Auditorium for Cinema / performing arts, Museum, Small industrial complex, Medium scale hotels and resorts, etc.
10. To study a location in a different socio-geographic setting than the Institute, and document the study done during in the tour in the form of a report with emphasis on relevant aspects like climate, social structure, culture, architectural typology, construction technology, urban fabric, economy, etc or any other issues which need to be considered for envisaging a design project in totality.
11. To design in the context of the Location studied, with emphasis on all the aspects that would influence the Design solution.
12. To understand various issues and aspects like sustainability, earthquakes, construction, barrier free environments, etc. and study how these could be integrated in the architectural design process.

SESSIONAL WORK.

Design projects to be given as assignments could be classified into two types.

Type 'A' :- Long duration projects (8-12 weeks)

These could be :

- i. Project based on Campus Design with emphasis on site planning & relationship of built and open spaces, circulation and movement pattern, activity pattern, architectural character and image, philosophy etc.
- ii. System based project (multistoried / service oriented) with emphasis on structural system, services like HVAC, electrical, etc. fire frightening systems, parking, rules & regulations etc.

Either i or ii could be Issue based Projects- designing in the context studied and addressing various issues of the study context like climate, social structure, culture, architectural typology, construction typology, urban fabric, economy etc.

Type B : Short duration Project (1-3 weeks)

These could be projects dealing with a singular aspect at a time, with emphasis on structures / sociology/ sustainability/ earthquake resistant construction/ specialized services / adaptive reuse of buildings / façade design / interiors / industrial building / barrier free environment or any other appropriate aspect

At least one project of type 'A' and one project of type 'B' to be taken up in a term.

- f Stress shall be give on three- dimensional studies through sketch perspectives and models prepared at various stages of design process.
- ☐ All Architectural Design Assignments and submissions shall lay emphasis on designing Earthquake Resistant Structures, which will be worked out in consultation with the Teacher of Structures and the Submission work will reflect various technologies adopted.

NOTE:

In order to have parity in nature and complexity of Design Projects it is Suggested that teachers from all the Colleges teaching the subject of Architectural Design shall meet at the beginning of First and Second Term and finalise broad outline of the subject topics, its extent and complexity and also the submission requirements.

RECOMMENDED READING

1. Campus design in India – Kanvinde & Miller
2. Compus Planning _ Richard Dober.
3. Urban Design. The Architecture of towns and cities. –Paul Sprereingen.
4. Exterior design in Architecture __Ashihara Toshinibu
5. Modern Language of Architecture __Bruno Zevi.
6. Modern Movements in Architecture __Charles Jencks
7. Language of Post – modern Architecture - Charles Jencks
8. Complexities and contradictions in Architecture – Robert Venturi
9. Architectural Composition. –Rob Krier.
10. Pattern Language Christopher Alexander.
11. Town Design –Fredrick Gibberd Alexander
12. Various monographs and periodicals

Subject Code : 313423 BUILDING TECHNOLOGY & MATERIALS III. (Sessional and viva)			
Subject Code : 313424 BUILDING TECHNOLOGY & MATERIALS III (Paper.)			
Teaching Scheme		Examination Scheme	
Lecture Periods	2	Term I and Term II Sessional (Internal) Sessional (External) Viva	50 marks (for each term) 50 marks (for each term) 50 marks (for each term)
Studio Periods	5	Total sessional for both terms	300 marks
Total Contact Periods per week	7	Paper	100 marks
		Total Marks	400 marks

OBJECTIVES :

To introduce students to

- A. Soil types & its behavior under different loading conditions
- B. Foundation on low load bearing soil
- C. More about R.C.C. & Steel skeleton structures
- D. Sliding & Sliding folding doors & bay windows in wood
- E. Aluminium & P.V.C. doors and windows
- F. R.C.C. and mass retaining wall
- G. Reinforced cavity and decorative brickwork
- H. Simple joinery and design for wood furniture
- I. Long span structures in R.C.C. & Steel
- J. Modular Co-ordination & introduction to prefabricated types construction using pre-cast building components.
- K. Paneling, partition and suspended ceiling in various materials.
- L. Basement construction & waterproofing
- M. Use of stainless steel in building construction.

Note : The portion covered in Third Year out of following topics shall be taught with special reference to Earthquake Resistant Detailing with local practices and regional responses.

COURSE OUTLINE

- Foundations, Soil Stabilization, Retaining Walls, Plinth Filling
- Flooring, Walls, Openings
- Roofs, Parapets, Terraces, Boundary Walls
- Underground and Overhead Tanks
- Staircases and isolation of structures.

TERM I:

PART – I

Foundation:

1.0 Setting out of structures.

2.0 Soil types & its behavior under different loading conditions.

3.0 Foundation on weak strata.

3.1 Raft Foundation.

3.2 Pile Foundation.

4.0 R.C.C. stub columns & stanchion fixing details (Sketches and notes).

PART- II

Super Structure:

1.0 Study of R.C.C. framed multi-storied structure of about ground +four upper floors with specific study of:-

1.1 Balconies and Canopies.

1.2 Stairs.

1.3 Lift shafts, machine rooms, etc. *Assignment I* (Approx.3 Drawings)

2.0 Medium span steel structures using built-up sections, appropriate roof trusses, lattice construction, castellated beams, cladding details, rain water disposal etc.

Assignment II (Approx. 2 Drawings).

3.0 Retaining walls and its terminology, mass retaining wall in bricks, stones etc. and cantilever retaining wall in R.C.C. (Sketches and notes).

4.0 Reinforced brickwork including reinforced brick walls, piers of different thicknesses, reinforced brick lintols and reinforced brick slabs screens and jails

(Sketches and notes).

PART- III

Roofs & Floors:

1.0 Introduction to long span (upto 25 to 30 mts) construction in steel and reinforced concrete (Sketches, notes, models, etc.)

2.0 Modular co-ordination. Pre-cast building components and systems developed by C.B.R.I. and other renowned National and International research organizations.

Assignment III(Approx. 2 Drawings).

PART- IV

Materials:

Sketches,notes, collecting material samples, brochures, visits to sites, place of manufacture, site reports, etc.

1.0 Light weight concrete.

2.0 Guniting

3.0 Readymix concrete.

4.0 Waterproofing- cement based, chemical based, bituminous and other proprietary systems.

5.0 Metal alloys and stainless steel and their application in the building industry.

TERM II

PART –I

Doors and Windows:

1.0 Sliding and Sliding-folding doors in wood *Assignment IV*(approx 2 Drawings)

2.0 Aluminium and PVC doors and windows of proprietary type (Sketches, notes and models)

3.0 Bay windows in wood (Sketches and notes)

PART –II

Furniture & Interior Construction:

1.0 Simple joinery in wood and wood based products for interiors.(Models, sketches and notes).

2.0 Paneling and Space dividers using wood, aluminium and steel skeleton and various finishing materials such as Ply-boards,Fibre-boards, Gypsum-boards, metal sheets Plastic extruded sections, etc.- Single skin and Double skin. *Assignment V*(Approx 2drawings)

3.0 Suspended ceiling in teak wood or metal framing with A.C. sheets, Gypsum boards, Fibre boards, etc. as finishing material. Proprietary system for suspended ceiling.

Assignment VI

4.0 Simple residential furniture in wood and wood derived boards like Divan, Bed, Dining table, Storage cabinet, Kitchen cabinet, Chair, etc -Any 4 items.

Assignment VII (2 Drawings)

Note: Total no of drawings to be restricted to between 6 to 8 per term.

PART – III

Misc. Construction:

1.0 Single Basement construction with water-proofing details, etc. (Sketches and notes)

2.0 Escalator and elevators – planning concepts, terminology and general construction. (Sketches and notes).

PART – IV

Materials

Sketches, notes, collecting material samples, brochures, visits to sites and places of manufacture, reports, etc

1.0 Glass and Glass products applicable in building industry.

2.0 Polishing of new and old wood and wood derivatives.

3.0 Painting.

4.0 Rendering.

Submission format:

The above mentioned submission format is indicative only.

It is expected that the students develop all round skills in drafting, sketching, model making, 3-d graphics and innovative use of computers to understand the basic principles and use it to applied construction problems.

The subject should be effectively linked with architectural design and more stress will be laid to on site training and hands on experience.

Distribution of marks:

Drawings – 40%,

Site visit reports, presentations etc. with models, 3D graphics etc. – 40%,

Journal – 20%.

References:

Subject Code : 313425 THEORY OF STRUCTURES III (Sessional)			
Subject Code : 313426 THEORY OF STRUCTURES III (Paper.)			
Teaching Scheme		Examination Scheme	
Lecture Periods	2	Term I and Term II Sessional (Internal) Sessional (External) Viva	25 marks (for each term) 25 marks (for each term) nil
Studio Periods	1	Total sessional for both terms	100 marks
Total Contact Periods per week	3	Paper	100 marks
		Total Marks	200 marks

NOTE : While teaching the subject of Theory of Structures Limit State Method shall be adopted instead of Working Stress Method.

COURSE OUTLINE :

1. Soil Mechanics : Introduction to soil Mechanics, trial pits, bearing capacities of common soils, various limits, Foundation problems at site. Bulb of pressure etc.
2. Retaining Walls.
 - (i) Active and passive pressures of soil.
 - Ranking's theory of Earth pressure. (ii)
 - Masonry retaining walls.
 - (iii) R.C.C. cantilever retaining wall.
 - (iv) Counter fort type retaining wall-concept and general detailing of counter forts.
- 3 R.C.C. columns with Eccentric loading-introduction only. No calculations.
- 4 Staircase : Types, loading and design. Details design of simply supported staircases.
- 5 R.C.C. Foundation : details of isolated footing.
- 6 Combined footing.
- 7 Detailed design of rectangular combined footing.
- 8 Introduction to following :
 - (a) Masonry and R.C.C. underground water storage tanks. (b)
 - Elevated water towers.
 - (c) R.C.C. and steel portal frame.
 - (d) Steel columns.
 - (e) Steel plate girders and Crane girder.
 - (f) Steel castellated girder.
 (Introduction not to include calculation of any of the elements but the selection criteria, placement of main reinforcement, fabrication producer etc.).
9. Introduction to :
 - Trapezoidal footing.
 - Raft footing.
 - Pile foundation.
 - Pile cape.
10. Pre-stressed concrete : Definition, difference between R.C.C. and pre stressed concrete, advantages and disadvantages, type and methods of pre stressing simple problem on calculation of resultant stresses of external forces etc.
11. Ultimate load theory :

Definition and explanation. Why this theory was developed, difference between working stress block, calculation of balance rectangular simply reinforced section, area of steel required for this Mud to develop working load factor(simple problem on beams only).
12. Limit state analysis : Introduction to concept only and I.S. requirements.
13. Compound Stanchions :
 - Simple problems.
 - Lacing : Finding spacing and size of lacing.
 - Battens : Finding spacing and size of battens.
 - No details design

- Design and detailing of a factory building including detailed design and drawings of purlins, trusses and N griders. (Drawing on A2 size sheets).
14. Earthquake Resistance Structural Detailing :
Seismic Design and detailing of R.C.C. and steel buildings :
- IS : 1893-2002. IS : 13920-1993, IS : 456-2000, IS : 800-20045.
 - Special reinforcing and connection details in structural drawings.

RECOMMENDED READINGS :

1. Structure in Architecture Salvadori and Heller.
2. Design of steel Structures-Vaziranini and Rathvani.
3. Elements of Structures-Morgan.

Subject Code : 313427 BUILDING SERVICES II (Sessional)			
Subject Code : 313428 BUILDING SERVICES II (Paper)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	2	Term I and Term II Sessional (Internal) Sessional (External) Viva	100 marks (for each term) 100 marks (for each term) Nil
Studio Periods per week	2	Total sessional marks for both terms	200 marks
Total Contact Periods per week	4	Paper	100 marks
		Total Marks	300 marks

AIM : To introduce students to the concepts of, indoor environmental quality control and providing ambient / comfortable habitable conditions, by integrating the knowledge of active as well as passive methods, in architectural design aimed at environmental sustainability.

TERM 1

COURSE OBJECTIVE

1. To equip students with the knowledge of mechanical ventilation /HVAC and the required technology for application.
2. Integrating these technologies with their architectural design.
3. Evolving understanding in students to choose appropriate systems.

COURSE OUTLINE

AIR CONDITIONING

Introduction to mechanical ventilation, forced ventilation, types of fans used, simple calculations to decide on the no. of fans / sizes

Introduction to fundamental principles of air conditioning. Fluid flow, Heat transfer. Psychometrics of air conditioning processes. Health and comfort criteria, comfort chart. Selection of indoor and outdoor design conditions. Air conditioning systems, selection of systems, ventilation for cooling. Transmission and distribution of conditioned air. Duct size calculations.

TEACHING PLAN

Unit 1

- a. Forced ventilation- types of fans used, calculations to decide on the no of fans required
- b. Air conditioning – heating and cooling, air conditioning equipment, air distribution, data and space requirements.

SESSIONAL ASSIGNMENT

Assignments shall consists of

- a. Calculating the sizes and no. of fans required to be provided or a specific interior and its layout for the same.
- b. Preparing an air conditioning layout for part of design project, with duct size calculations.
- c. Compiling of required information collected from site visits, market surveys and finding out latest trends and materials for the same.

SESSIONAL ASSESSMENT

1. 40% marks will be allotted for compilation of literature, brochures, handbooks, market surveys etc.

2. 60% marks shall be allotted for services layouts, with details.

TERM II:

AIM.

Understanding of design criteria for good hearing conditions in enclosed and open spaces with relation to spatial characteristics and developing the ability to apply the same to architectural design.

Integrating passive and active fire fighting systems in architectural design projects.

COURSE OBJECTIVES:

1. To equip students with the knowledge of acoustics and the required technology, for its application.
2. Integrating these technologies with their architectural design.
3. Evolving understanding in students to choose appropriate systems.

COURSE OUTLINE

Introduction to architectural acoustics. Acoustical problems in architectural design. Criteria for good hearing conditions in enclosed and open spaces. Properties of sound. Human ear and its cognizance to hearing. Reverberation; Sabine's formula for reverberation time. Sound absorbing materials, their properties and applications. Acoustical requirements in an auditorium design. Acoustical designs of rooms for speech, music and recording studio. Sound amplification systems. Environmental noise control, air-borne and structure borne noise, control of mechanical noise and vibrations. Transmission of sound, noise reduction.

Methods of fire-fighting, rules, regulations and equipment.

TEACHING PLAN

Unit 1. Acoustics

- a. Brief history of architectural acoustics, acoustical problems as outcome of contextual influences and limitations of materials and technologies.
- b. Characteristics of sound.
- c. Study of acoustical materials, their classification and application.
- d. Acoustical treatment to various enclosed spaces with calculations of the time of reverberation.
- e. Noise control.
- f. Sound amplification systems.
- g. One live case study.

Unit 2. Fire fighting and fire safety.

- a. Causes and spread of fire, combustibility of building materials, structural elements and their fire resistance.
- b. Passive control- fire protection in buildings, safety codes, rules and regulations.
- c. Active control- fire fighting using fixed and portable fire fighting equipment.

SESSIONAL ASSIGNMENT

Assignments shall consists of

- a. Calculating the time of reverberation for an enclosed space and designing an acoustical treatment for the same, to achieve good hearing conditions.
- b. Compiling of required information collected from site visits, market surveys and finding out latest trends and materials for the same.
- c. Case study for fire fighting and fire control for an apartment building, with basement parking.

SESSIONAL ASSESMENT

1. 40% marks will be allotted for compilation of literature, brochures, handbooks, market surveys etc. .
2. 60% marks shall be allotted for acoustical treatment of an interior space.

RECOMMENDED READING

1. Ernest Tricomi-ABC of Air conditioning
2. Heating and Air Conditioning of buildings.
3. Smith, Philips and Sweeney-Environmental Science
4. Doelle Leslie-Environmental Acoustics
5. Knudsen and Harris-Acoustical designing in architecture
6. K.A.Siraskar-Acoustics in building design
7. National Building code.

Subject Code : 313429 LANDSCAPE ARCHITECTURE & ENVIRONMENTAL SCIENCES (Sessional)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	1	Term I and Term II Sessional (Internal) Sessional (External) Viva	50 marks (for each term) 50 marks (for each term) Nil
Studio Periods per week	2	Total sessional marks for both terms	100 marks
Total Contact Periods per week	3	Paper	Nil
		Total Marks	100 marks

AIM :

To introduce the students to landscape design and site planning and imbibe importance of integrated design of built & open spaces and evolve understanding of sustainable site development addressing the functional, aesthetic and environmental issues.

TERM 1

COURSE OBJECTIVES

- To introduce the students to Landscape architecture and its scope.
- To develop understanding of site analysis and site planning and integrated design of open and built spaces.
- To understand the elements and principles of landscape design and role of landscape elements in design of outdoor environments on the site.
- To study the changing relationship of man with nature in various parts of the world through various ages and study history of landscape design.

COURSE OUTLINE

Introduction to Landscape Design – its scope and objectives; elements and principles of landscape design and their application in outdoor space design; Site studies and site planning : Integration of built and open spaces; Introduction to storm water drainage , planting design & grading. History of landscape design.

TEACHING PLAN

Unit 1 Introduction

Introduction of landscape architecture, its scope and understanding the differences between landscape design and building design. Significance of time in landscape design.

Unit 2 Site Studies and Site Planning

Principles of site planning. Site survey and appraisal – the physical and social context of the site and various site characteristics such as microclimate, topography, hydrology, existing features (natural and manmade), etc. Site suitability analysis. Process of developing a brief for open spaces. Design issues in site planning and siting of buildings. Integrated approach to design of building and open spaces. Introduction to grading, landform modifications and surface water drainage.

Unit 3 Elements & Principles of Landscape Design

Elements of landscape Design – Landform, water, plants and built elements (hard areas, paths, terraces). Understanding the visual (colour, form, texture) characteristics and also the non-visual characteristics (smell, touch, sound) characteristics of these elements and their usage to achieve the functional, aesthetic and environmental goals. Principles of landscape design (harmony, balance, contrast, etc.).

Unit 4 History of Landscape Architecture

Changing relationship of man with nature in various phases in history and its influence on the environment. Reviewing landscape design and garden design in history in various parts of the world & phases in history – Eastern (India, China, Japan), Western (Egypt, Mesopotamia, Greece, Roman, Medieval, Renaissance & Baroque, English school) and Central (Persia, Islamic landscapes). Industrialization, New towns, Need for parks, Park movement in America. Contemporary movements.

SESSIONAL WORK

1. At least one landscape design & site development project (limited to one building on a site) in which students should evolve a rational behind design of open spaces based upon functional aspects, microclimatic analysis including building shadow analysis, visual and spatial character desired and then develop a landscape design. (**60%** of total marks allotted). The design should be presented in form of drawings to explain the landscape development in totality, which shall include comprehensive landscape development plan, site sections, sectional details, planting policy, views etc.
2. Written Assignments (**40%** of total marks)
 - a. Unit 3 (Landscape elements): Visit to designed landscapes and preparing case study appraisal report of not less than 1000 words supported by graphics. (10% of total marks)
 - b. Unit 4 (History of landscape architecture) : Detailed essay of at least 1500 words with graphical illustrations based upon the topics in the syllabus on themes such as comparisons, case studies, use of landscape elements in history etc. (10% of total Marks)
 - c. Test on units 1 to 4: 20% of total marks.

TERM 2

COURSE OBJECTIVES

- a. To evolve understanding of plant selection for functional, aesthetical and ecological applications in design based upon the plant characteristics and their habits.
- b. To introduce the concepts of sustainable site planning, components of environment and environmental concerns.
- c. To develop understanding of the role of landscape design in evolving sustainable site planning and also in passive climatic control at building and site level.
- d. Introduction to landscape construction and services.

- e. Application of the knowledge of site planning and landscape design to address the environmental issues.

COURSE OUTLINE

Plants and Design; Introduction to landscape construction and services (drainage, irrigation, lighting); Execution of a landscape proposal; Environment – components and issues; Environmental concerns: landscape design & sustainable site planning; landscape design in situations such as roof tops & indoor locations; role of landscape design in response to environmental issues in urban areas.

TEACHING PLAN

Unit 5 Plants and Design

Study of plant material – trees, shrubs, ground covers and climbers, physical characteristics and habit. Role of plants in landscape design. Plant selection criteria – functional, visual, ecological and micro climatic aspects. Building shadow analysis for ascertaining hard-soft areas and choice of plants.

Unit 6 Landscape Construction and Services

Introduction to the landscape services – lighting, surface water drainage systems, irrigation systems. Introduction to construction in landscape – paths, retaining walls, level changes, fences, boundary walls, decks, gates, trellis, pergola etc. Introduction to landform modifications, earthworks and grading. Roof top landscapes and indoor landscapes. Understanding the process of the execution of a landscape proposal.

Unit 7 Environment: Components and Concepts

Introduction to environment and its components (biotic and abiotic), Concepts of energy and resource conservation, bio-diversity, pollution, green house effect, ozone layer depletion, sustainability.

Unit 8 Environmental Concerns, Landscape Design and Sustainable Site Planning.

Application of the knowledge of site planning and landscape design to address the environmental issues, achieve passive climatic control and evolve sustainable site plan. Water harvesting (roof water, recharging ground water), solid waste management (vermiculture pits, composting, degradable and non-degradable wastes). Root zone treatment. Sewage treatment plant. Landscape design in response to environmental problems in urban areas.

SESSIONAL WORK

1. At least one campus planning project (with more than two buildings on the site) from the third year architectural design which the student has undertaken. A comprehensive site and landscape development plan should be submitted along with supporting background work such as site analysis, slope analysis, zoning rationale, building program analysis. Design proposal should include a comprehensive landscape development plan, Site sections, planting policies, details of civil work items such as steps, retaining wall, planters etc., surface water drainage concept. **(70% of total Marks).**
2. Written Assignments **(30% of total marks)**
 - a. Unit 5 (Plants and design): Study and documentation of at least four plants to understand their characteristics and use in landscapes. (10% of total marks)
 - b. Unit 7 & 8 (Environment): Literature or case study review and discussion of any one environmental issues pertinent to the syllabus. (10% of total marks).
 - c. Test on units 5 to 8: 10% of total marks.

RECOMMENDED READINGS:

1. **Appleton, J.** *The Experience of Landscape*, London: John Wiley & Sons. 1995.
2. **Bose, T.K. and Choudhary, K.** *Tropical Garden Plants in Colour*. Horticulture and Allied Publishers. 1991.

3. **Botkin D. B. & Keller E.A.** *Environmental Science: Earth as a Living Planet*. NY: John Wiley & Co. 1995.
4. **Dee, C.** *Form and Fabric in Landscape Architecture : A visual introduction*, UK : Spon Press. 2001.
5. **Eckbo, G.** *Urban Landscape Design*, NY: McGraw Hill Book Company.1964.
6. **Gopalaswamiengar, K.S.** *Complete Gardening in India*, 4th ed. Bangalore: Gopalswamy Parthasarathy. 1991.
7. **Jellicoe, G. & Jellicoe, S.** *The Landscape of Man*, London: Thames and Hudson. 1991.
8. **Kanvinde A. & H. James Miller.** *Campus Design in India: Experience of a Developing Nation*. Jostens/American Yearbook Co, 1969.
9. **Kaplan, R., Ryan, R. L. and Kaplan, S.** *With People in Mind – Design and Management of Everyday Nature*, Island Press. 1998.
10. **Laurie, M.** *An Introduction to Landscape Architecture*, NY : American Elsevier Pub.Co Inc. 1975.
11. **Lyall S.** *Designing the New Landscape*. UK :Thames & Hudson. 1998.
12. **Lynch, K.** *Site Planning*, Cambridge : The MIT Press. 1962
13. **McHarg I.** *Design with Nature*. NY : John Wiley & Co. 1978.
14. **Motloch, J. L.** *Introduction To Landscape Design*, US: John Wiley and sons. 2001.
15. **National Building Code of India**. New Delhi : Indian Standards Institution. 2005.
16. **Randhawa M.S.** *Flowering Trees*. New Delhi : National Book Trust. 1998.
17. **Rutledge, A.J.** *Anatomy of a Park*, NY : McGraw Hill Inc. 1971.
18. **Simonds, J.O.** *Landscape Architecture : The Shaping of Man's Natural Environment*, NY : McGraw Hill Book Co. Inc. 1961.
19. **Thompson, I. H .** *Ecology, Community And Delight: Sources Of Values In Landscape Architecture*, London : E & FN Spon.2000.
20. **Williams, S.** *Outdoor recreation and the urban environment*, London : **Routledge**. 1995.

Subject Code : 313430 SEMINAR ON CONTEMPORARY ARCHITECTURE (Sessional)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	2	Term I and Term II Sessional (Internal) Sessional (External) Viva	25 marks (for each term) 25 marks (for each term) nil
Studio Periods per week	--	Total sessional marks for both terms	100 marks
Total Contact Periods per week	2	Paper	nil
		Total Marks	100 marks

COURSE OBJECTIVES:

Modern architecture is the synthesis of a series of progressive movements since post-industrial period. It is necessary for students to understand these movements, styles, buildings, construction, and contribution of masters in a wider context.

COURSE OUTLINE:

The study includes the progressive developments of the requirements, architectural character and technological advancements of each period / style. The analytical study must include examples and sketches with highlighting the relevant features. The study emphasizes to inculcate the research spirit and awareness of architectural heritage among the students.

TERM I

Socio-political and other influences Philosophies, approaches and purposes Architectural, constructional and other features Contribution of the pioneers
Following movements / schools / styles (3 to 9) to be studied with relevant examples based on the above mentioned points:

1. Industrial Revolution: new materials, methods and requirements
2. Revivalism: Neo-Classic, Neo-Gothic
3. Arts & Crafts Movement
4. Art Nouveau Style
5. Expressionism
6. Bauhaus
7. De Stijl
8. International Style
9. Post Modernism
10. Colonial architecture in India

SESSIONAL WORK

The Sessional work shall comprise of individual work of the student completed under the guidance and supervision of the subject teacher as follows:

1. **Journal:** Hand written journal with notes and manually drawn sketches of relevant examples on the above mentioned syllabus contents: **30 marks**
2. **Project work:** a report or graphical representation or a model of any relevant topic from the above mentioned syllabus contents: **20 marks**

TERM II

1. **Seminar:** on Contemporary architecture with global context as Styles / Movements / contribution of any international architects / significant buildings
2. **Measured Drawing:** Any significant structure relevant to three years of syllabus contents

SESSIONAL WORK

The Sessional work shall comprise of **individual work** of the student completed under the guidance and supervision of the subject teacher as follows:

1. **Seminar:** a report of the seminar presented of any relevant topic from syllabus contents (appx. 1500 words): **25 marks**
2. **Measured Drawing:** Manually drawn (one A1 or A2 size sheet per student): **25 marks**

RECOMMENDED READINGS:

1. Modern Architecture since 1900 by William Curtis
2. Modern Architecture (Vol. I & II) by Manfredo Tafuri, Francesco Dal Co
3. A History of Western architecture by David Watkin
4. The Story of Western Architecture by Bill Risebero

Subject Code : 313431 WORKING DRAWING (Sessional)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	2	Term I and Term II Sessional (Internal) Sessional (External) Viva	50 marks (for each term) 50 marks (for each term) nil
Studio Periods per week	3	Total sessional marks for both terms	200 marks
Total Contact	5	Paper	nil
Periods per week		Total Marks	200 marks

AIM : To enable the students to prepare working drawings of an architectural project and imbibe the significance of working drawings from the point of view of execution of the work on site and as important component of tender documents.

OBJECTIVES :

- The students should be able to prepare drawings in sufficient details such that the contractor is able to construct a building as per the design.
- Graphical presentation of all the components of a building along with dimensioning and annotations.
- Understand and apply IS Codes and internationally accepted norms / conventions / methods of preparing a working drawing along with tabulation of schedules of materials, finishes and hardware.
- Linking up working drawings / specifications / bill of quantities in an architectural project.

TERM I :

- One working drawing of a 2nd yr. architectural design project having load bearing structure with minimum 100 sq. m. carpet area.
- At least two details such as doors/windows/railings/kitchen otah etc.
- Total no of drawings (approx 6 to 8 of A1 size).

TERM II :

- One working drawing of any project of minimum 200 sq.m. from Third Year Architectural Design project having frame construction and minimum G+1 structure.
- Introduction to preparing drawings for approval of local authorities for a residential unit having G+1 structure
- Details of civil work of staircase and a toilet.
- Interior working drawing of a room from the project with at least details of two furniture types : 1 drawing A1 size.
- Total No of drawings (approx. 6 to 8 of A1 size.)

The drawings may be manually drafted or computer generated as per the choice of students and availability of computers with the college.

REFERENCES:

Architects Working Details

Subject Code : 313432 TECHNICAL COMMUNICATION (Sessional)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	1	Term I and Term II Sessional (Internal) Sessional (External)	25 marks (for each term) 25 marks (for each term)
		Viva	nil
Studio Periods per week	1	Total sessional marks for both terms	100 marks
Total Contact Periods per week	2	Paper	nil
		Total Marks	100 marks

COURSE OBJECTIVES:

To equip the student to communicate effectively on technical matters, using various mediums of verbal, written, graphic and electronic communication.

COURSE OUTLINE : TERM I

Unit 1: Introduction

1. Introduction to technical communication, the need for learning the subject.
2. Various mediums of communication and their relevance to professional practice.
3. Reading, writing conversation public speaking, etc. as skills to be acquired for effective communication
4. Importance of knowledge,
5. Linguistic skills and structure in communication

Suggested sessional work: short report

Unit2: Written Communication:

1. Language Skills, structuring of ideas,
2. Various types of written Communication i.e. writing, abstract synopsis, reports, dissertation, etc.
3. Effective beginning, logical division of matter under various heads, elaboration, conclusions appendices and annexures (technical writing aspects),
4. Understanding the reader /purpose of the communication,
5. Preparation of drafts, finalisation of content
6. Handwriting skills,
7. Software like MS word, Excel, etc.

Suggested sessional work: Contemporary architecture seminar

Unit: 3 Graphic Communication:

1. Graphic skills,
2. Presentation techniques using mediums like pencil, ink, water colour, etc.
3. Use of software suitable for graphic communication.
4. Types of paper, sizes, suitability of paper & medium for the purpose & their compatibility with each other,
5. Printing & plotting – including scales, font sizes, etc. composition of matter on given paper space, display formats, etc.

Suggested sessional work: case studies / individual report- study tour / data collection

Unit 4: Electronic Communication:

1. Use of suitable softwares.
2. Introduction to presentation techniques & formats using computer,
3. In put- output devices, their compatibility, data storage formats, transmission of data through the Internet, basics of email, website design, etc.

Suggested sessional work: powerpoint presentation contemporary architecture seminar / case studies / design presentation

TERM II :

Unit 5: Verbal communication:

1. Language skills
2. Structuring &, organization of speech.
3. Understanding the audience, transmitting of ideas, voice modulation, personal style-tone emphasis, gestures, etc.

Suggested sessional work: Verbal presentation- Contemporary Architecture seminar

Unit 6: Group Communication:

1. Working in teams.
2. Structure & organization of an efficient team,
3. Roles played by members, leadership qualities and skills
4. Communication within a group, group presentations, group discussion etc.
5. Time management, schedules, etc.

Suggested sessional work: Study tour- report & presentation / group case study / site analysis

Unit 7: Interviews:

1. Effective communication skills, personal style.
2. Commonly raised questions and effective answers.
3. Knowledge level and effective communication of information.
4. Understanding the interviewer and the purpose of the interview, etc.

Suggested sessional work: flexible- to be decided by the institute

Unit 8: Formats:

1. Formats for letters, memos, resume, job application, project proposals, feasibility reports, progress report, information page, brochure, website.etc

Suggested sessional work: preparation of formats as assignments

Unit 9: Appraisal / Self Judgment:

1. Setting up objectives, methodologies,
2. Achieving targets.
3. Effective Communication of ideas, image knowledge, information.
4. Creating a self identity.

Suggested sessional work: flexible- to be decided by the institute

Final

UNIVERSITY OF PUNE

DETAIL SYLLABUS

FOR

FOURTH YEAR

BACHELOR OF ARCHITECTURE

(Fourth Year B.Arch. & B.Arch. Interior Design)

2008 Course

(to be implemented from 2013-14)

FACULTY OF ENGINEERING

BOARD OF STUDIES IN ARCHITECTURE

FOURTH YEAR B.ARCH.

Sr. No.	Subject Code	Name of Subject	Head	Teaching Scheme			Examination Scheme		
				Lecture Periods	Studio Periods	Total Periods	Term I Marks	Term II Marks	Total Marks
1	413421	Architectural Design IV	SV	2	10	12	300	300	600
2	413422	Adv. Bldg. Tech. & Services	Theory	2	5	7	150	150	300
3	413423	Design & Tech. Elective	SS	1	1	2	50	50	100
4	413424	Quantity Surveying and Est.	SS	1	3	4	50	50	100
5	413425	Quantity Surveying and Est.	Theory				--	100	100
6	413426	Specification Writing	SS	2	--	2	50	50	100
7	413427	Specification Writing	Theory				--	100	100
8	413428	Town Planning	SS	1	3	4	50	50	100
9	413429	Town Planning	Theory				--	100	100
10	413430	Professional Practice	SS	2	--	2	50	50	100
11	413431	Professional Practice	Theory				--	100	100
12	413432	Dissertation & Architectural Project Part I	SS	1	2	3	100	100	200
		TOTAL		12	24	36	800	1200	2000

DETAIL SYLLABUS FOURTH YEAR B.ARCH.

Subject Code : 413421 ARCHITECTURAL DESIGN IV (Sessional and Viva)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	2	Term I and Term II Sessional (Internal) Sessional (External) Viva	125 marks (for each term) 125 marks (for each term) 50 marks (for each term)
Studio Periods per week	10	Total sessional marks for both terms	600 marks
Total Contact Periods per week	12	Paper	nil
		Total Marks	600 marks

OBJECTIVE

Introduce students progressively to designing for larger environmental contexts (preferably Indian) and for more complex multifunctional complex of buildings / situations like mass scale residential, institutional, commercial transportation, health-care facilities.

COURSE OUTLINE

A Design of Urban Large Scale / density based housing with approximately minimum 200 tenements of density 120 tenements / hectare. Socio-economic determinates, legislative, economic constraints and technological alternatives shall be studied in detail. Exercises in simulation and conceptual modeling shall be conducted. Application of concepts of community participation, financing and construction planning, computer aided project documentation including working drawings, preliminary estimates, outline specifications and scheduling aimed at comprehensive understanding of the implementation process.

B Design of multifunctional complex of buildings in the urban context. Issues related to the growing problems of urban areas in third world countries and their future developments shall be explored. Emphasis on the design with relation to the contextual environment, traffic and planning controls and impact analysis. An understanding of the architectural implications of such developmental scheme should lead to insight in the formulation of political and administrative policies for the development of the physical environment.

SESSIONAL WORK

- ☐ Two assignments for a period of 18 weeks each
- ☐ Complete Self-explanatory projects, graphically presented in the form of hard copies / printouts showing comprehensive understanding of the design and implementation process as mentioned in the course outline.
- ☐ Second Design project can be given in group of not more than 3 students provided the project is complex enough.

4. Building Construction illustrated by CHING FRANCIS D. K.
5. Elementary Building Construction by MITCHELL
6. Structure and Fabric by EVERET

To study building materials

1. National Building Code and I.S.I. Specifications
2. Materials and Finishes by EVERET
3. A to Z Building Materials in Architecture by HORNBOSTLE

Subject Code : 413423 DESIGN & TECHNOLOGY ELECTIVE (Sessional)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	1	Term I and Term II Sessional (Internal) Sessional (External) Viva	25 marks (for each term) 25 marks (for each term) nil
Studio Periods per week	1	Total sessional marks for both terms	100 marks
Total Contact Periods per week	2	Paper	nil
		Total Marks	100 marks

AIMS AND OBJECTIVE

The subject of Electives has been introduced in the syllabus with the specific intention of in depth study of a particular subject of a student's liking in greater detail but in the larger context of overall scope of Architecture syllabus at undergraduate level. This will give students an opportunity to develop their skills in a subject they may opt, to make their career in future. Architectural practice is a team effort in which persons of different skills in varied fields are required such as concept developers, technical / working drawing experts, specification writers, quantity surveyors, project managers, contract managers, interior designers, architectural photographers, architectural Journalists, signage and graphic designers, energy consultants, building services consultants, marketing managers etc. In depth study in Electives will prepare the technical base of the students. Since the Architectural Projects in future are going to be very complex, the need of support staff in Architectural Practice will be fulfilled and the student's skills and talent will be effectively used.

The Colleges will have the opportunity to focus upon a particular group of Design and Technology electives depending upon the overall philosophy and mission statement of the College. Individual colleges may offer topics depending upon the availability of experts and resource material.

COURSE OUTLINE TERM I: The probable Design Elective topics are as follows :

1. Interior Design
2. Industrial and Product Design
3. Urban Design
4. Advanced Landscape Design
5. Housing
6. Set Design
7. Special Facilities Planning
8. Sustainable Development and Architecture
9. Barrier free Environment and Design

Final.

UNIVERSITY OF PUNE

DETAIL SYLLABUS

FOR

FOURTH YEAR

BACHELOR OF ARCHITECTURE

(Fourth Year B.Arch. & B.Arch. Interior Design)

2008 Course

(to be implemented from 2013-14)

FACULTY OF ENGINEERING

BOARD OF STUDIES IN ARCHITECTURE

FOURTH YEAR B.ARCH.

Sr. No.	Subject Code	Name of Subject	Head	Teaching Scheme			Examination Scheme		
				Lecture Periods	Studio Periods	Total Periods	Term I Marks	Term II Marks	Total Marks
1	413421	Architectural Design IV	SV	2	10	12	300	300	600
2	413422	Adv. Bldg. Tech. & Services	Theory	2	5	7	150	150	300
3	413423	Design & Tech. Elective	SS	1	1	2	50	50	100
4	413424	Quantity Surveying and Est.	SS	1	3	4	50	50	100
5	413425	Quantity Surveying and Est.	Theory				--	100	100
6	413426	Specification Writing	SS	2	--	2	50	50	100
7	413427	Specification Writing	Theory				--	100	100
8	413428	Town Planning	SS	1	3	4	50	50	100
9	413429	Town Planning	Theory				--	100	100
10	413430	Professional Practice	SS	2	--	2	50	50	100
11	413431	Professional Practice	Theory				--	100	100
12	413432	Dissertation & Architectural Project Part I	SS	1	2	3	100	100	200
		TOTAL		12	24	36	800	1200	2000

DETAIL SYLLABUS FOURTH YEAR B.ARCH.

Subject Code : 413421 ARCHITECTURAL DESIGN IV (Sessional and Viva)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	2	Term I and Term II Sessional (Internal) Sessional (External) Viva	125 marks (for each term) 125 marks (for each term) 50 marks (for each term)
Studio Periods per week	10	Total sessional marks for both terms	600 marks
Total Contact Periods per week	12	Paper	nil
		Total Marks	600 marks

OBJECTIVE

Introduce students progressively to designing for larger environmental contexts (preferably Indian) and for more complex multifunctional complex of buildings / situations like mass scale residential, institutional, commercial transportation, health-care facilities.

COURSE OUTLINE

A Design of Urban Large Scale / density based housing with approximately minimum 200 tenements of density 120 tenements / hectare. Socio-economic determinates, legislative, economic constraints and technological alternatives shall be studied in detail. Exercises in simulation and conceptual modeling shall be conducted. Application of concepts of community participation, financing and construction planning, computer aided project documentation including working drawings, preliminary estimates, outline specifications and scheduling aimed at comprehensive understanding of the implementation process.

B Design of multifunctional complex of buildings in the urban context. Issues related to the growing problems of urban areas in third world countries and their future developments shall be explored. Emphasis on the design with relation to the contextual environment, traffic and planning controls and impact analysis. An understanding of the architectural implications of such developmental scheme should lead to insight in the formulation of political and administrative policies for the development of the physical environment.

SESSIONAL WORK

- ☐ Two assignments for a period of 18 weeks each
- ☐ Complete Self-explanatory projects, graphically presented in the form of hard copies / printouts showing comprehensive understanding of the design and implementation process as mentioned in the course outline.
- ☐ Second Design project can be given in group of not more than 3 students provided the project is complex enough.

- ☐ Case studies, which will supplement / support the Architectural Design project can be done in groups.

All Architectural Design Assignments and submissions shall lay emphasis on designing Earthquake Resistant Structures, which will be worked out in consultation with the Teacher of Structures and the submission work will reflect various technologies adopted.

REFERENCE BOOKS :

All available books on Architectural Design.

Subject Code : 413422 ADVANCED BUILDING TECHNOLOGY & SERVICES (Sessional and viva)			
Teaching Scheme		Examination Scheme	
Lecture Periods	2	Term I and Term II Sessional (Internal) Sessional (External) Viva	50 marks (for each term) 50 marks (for each term) 50 marks (for each term)
Studio Periods	5	Total sessional for both terms	300 marks
Total Contact Periods per week	7	Paper	nil
		Total Marks	300 marks

COURSE OBJECTIVE :

To acquaint students with more complex structural systems, constructional details and building types with emphasis on applied constructional details from Architectural Design Project with developing the skills in Architectural Detailing.

COURSE DETAILS :

Note : As far as possible and practicable various topics mentioned below shall be combined and studied as extension of Architectural Design Programme in Sem VII AND VIII in the form of Applied Constructional Details.

1. Conceptual study of Design and Construction of long span structures like Sports Stadiums, Gymnasium, Auditorium etc. with special reference to design of seating, and various types of roofing systems. (Any one type of building shall be studied in detail)
2. Conceptual study of design and constructional details of
 - ☐ Shell roofs
 - ☐ Single curvature shells
 - ☐ Short and Long span barrel vaults
 - ☐ North light and cantilever Barrel vaults
 - ☐ Double curvature shells
 - ☐ Shell domes
 - ☐ Double curved shells.
3. Folded slab roofs
4. Grid structures
 - ☐ Space frames
 - ☐ Flat grids

4. Building Construction illustrated by CHING FRANCIS D. K.
5. Elementary Building Construction by MITCHELL
6. Structure and Fabric by EVERET

To study building materials

1. National Building Code and I.S.I. Specifications
2. Materials and Finishes by EVERET
3. A to Z Building Materials in Architecture by HORNOSTLE

Subject Code : 413423 DESIGN & TECHNOLOGY ELECTIVE (Sessional)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	1	Term I and Term II Sessional (Internal) Sessional (External) Viva	25 marks (for each term) 25 marks (for each term) nil
Studio Periods per week	1	Total sessional marks for both terms	100 marks
Total Contact Periods per week	2	Paper	nil
		Total Marks	100 marks

AIMS AND OBJECTIVE

The subject of Electives has been introduced in the syllabus with the specific intention of in depth study of a particular subject of a student's liking in greater detail but in the larger context of overall scope of Architecture syllabus at undergraduate level. This will give students an opportunity to develop their skills in a subject they may opt, to make their career in future. Architectural practice is a team effort in which persons of different skills in varied fields are required such as concept developers, technical / working drawing experts, specification writers, quantity surveyors, project managers, contract managers, interior designers, architectural photographers, architectural Journalists, signage and graphic designers, energy consultants, building services consultants, marketing managers etc. In depth study in Electives will prepare the technical base of the students. Since the Architectural Projects in future are going to be very complex, the need of support staff in Architectural Practice will be fulfilled and the student's skills and talent will be effectively used.

The Colleges will have the opportunity to focus upon a particular group of Design and Technology electives depending upon the overall philosophy and mission statement of the College. Individual colleges may offer topics depending upon the availability of experts and resource material.

COURSE OUTLINE TERM I: The probable Design Elective topics are as follows :

1. Interior Design
2. Industrial and Product Design
3. Urban Design
4. Advanced Landscape Design
5. Housing
6. Set Design
7. Special Facilities Planning
8. Sustainable Development and Architecture
9. Barrier free Environment and Design

10. Urban and Rural Planning
11. Infrastructure Planning
12. Advanced Computing in Architecture
13. Climate responsive Architecture
14. Mathematics and Science in Design
15. Theory of Architecture.

DETAILED SYLLABUS

Sustainable Development and Architecture

- ☐ Philosophy of Sustainability, management and design aspects
- ☐ Management in terms of resource and conservation management, anti-pollution measures, Water / waste management etc.
- ☐ Design aspect in terms of designing the structures, such as solar passive, passive, energy efficient, cost-effective, eco friendly designing
- ☐ Studying other forms of energy and their applications like Tidal / hydal / wind / biotic.
- ☐ Studying environmentally sustainable technologies, construction techniques, and use of materials.
- ☐ Studying environment related broader topics and issues like river-beds, environmental pollution etc.

Barrier free environment and design

- ☐ Types of disabilities and its implications in Architecture, barrier free environment, access- provisions to facilities and amenities.
- ☐ Special design considerations in residential buildings, congregational buildings like auditoriums, theatres, stadias, transport terminals etc, Institutional buildings, outdoor appurtenances, garden – parks etc.
- ☐ Study of norms set by Central Government.

Natural Disaster resistant architecture

- ☐ Types of disasters like earthquake, fire, floods, cyclones, Tsunami and its effects on Architecture.
- ☐ Study of geological structure and its deformation, study of behavior of the structure in such disasters, Measure to counteract destabilizing forces, design aspects and considerations for various types of buildings especially the residential, congregational and institutional buildings.

Urban and Rural Planning

- ☐ Introduction to hierarchy of planning – levels and their impact on architecture and architectural profession, understanding the interrelation between urban planning and architecture in terms of FSI, Ground Cover, density and urban form.
- ☐ Comprehensive plan of action for reducing inter-regional and intra-regional disparities. Introduction to Regional plans, Master plans, Zonal plans, town planning schemes and urban design schemes. Special requirements for rural planning.

Infrastructure Planning

- ☐ Need for infrastructure planning. Introduction to types and design of infrastructure requirements for large scale architectural projects like drainage, water supply, storm transport facilities, provision of amenities, security systems, remote control systems, telecommunication system etc.

Advanced Computing in Architecture

- ☐ Software customization – developing expert system for parametric design using languages such as Visual Basic, Auto Lisp etc. Developing plug-ins for programs like 3D, Studio Max etc.
- ☐ Expert software which can either be a part of the main software or a third party software for tasks like working of quantities making atomization for typical drawings such as municipal / centerline plans etc.
- ☐ Advanced 3D modeling with the use of animated maps, Special effects plug-ins, advanced lighting, animations etc.

- ☐ Exploring the use of Internet for architectural data exchange and development of web-based solutions for the same (eg. Web page designing).
- ☐ Virtual Reality
- ☐ Intelligent building and design
- ☐ Understanding / Exploring softwares like ideas, Catia ProE

Used for designing complicated structures like the Bibau Museum in Spain or most of the buildings of Frank Gehry.

Special Facilities Planning in Hotels and Hospitals

- ☐ Fumigation
- ☐ A/c for rooms, lobbies, lounges, OT
- ☐ Central gas / suction supply
- ☐ Electrification for various spaces and gadgets like defibrillator, CT scan, radiology, MRI etc.
- ☐ Water management with incinerator etc.
- ☐ Laundry
- ☐ Hot water, Boiler, Solar
- ☐ Emergency lighting
- ☐ Food management / movement / kitchen layouts / stores / eating places.
- ☐ Service floor
- ☐ Channeled music

Large span structures like Multiplex, Auditorium, Railway stations, covered studio, airport terminal, hangers etc.

- ☐ Structural systems
- ☐ Light and ventilation
- ☐ Seating
- ☐ Crisis planning routes during emergency
- ☐ Surface finishes
- ☐ Rain water disposal
- ☐ Luggage movement
- ☐ Parking
- ☐ Telecommunication and security systems.

COURSE OUTLINE TERM II The probable Technology Elective topics are as follows :

1. Modular Planning and System Building Construction
2. Non-Conventional Technologies
3. Rural (Vernacular) Architecture.
4. Energy Efficient and Eco Friendly Construction
5. Earthquake Resistant Construction
6. Smart and Intelligent Buildings
7. Building Performance Analysis and Appraisal
8. Structure and Form in Architecture.

Detailed syllabus given above is indicative only. Detail syllabus for all Elective Topics can be finalized, considering the time and marks allotted to the subject, by individual College in consultation with expert faculty and can be implemented after approval by the board of studies.

SUBMISSION DETAILS :

The students are expected to study the selected topic in depth, including the basic principles, and their application in built projects by undertaking case studies, necessary site visits, and collecting all the relevant information to make it an exhaustive study and present it in a well documented format having A-3 / A-4 size papers property filed in a file with a signed certificate from concerned Teacher / Expert stating that the study was carried out under his guidance and countersigned by the Principal / Academic Co-ordinator.

Subject Code : 413424 QUANTITY SURVEYING & ESTIMATING (Sessional)			
Subject Code : 413425 QUANTITY SURVEYING & ESTIMATING (Paper)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	1	Term I and Term II Sessional (Internal) Sessional (External) Viva	25 marks (for each term) 25 marks (for each term) nil
Studio Periods per week	3	Total sessional marks for both terms	100 marks
Total Contact Periods per week	4	Paper	100 marks
		Total Marks	200 marks

OBJECTIVES :

1. To train students in computing quantities of various building items for simple load bearing structures and acquaint them with various types of estimates including mode of measurements as adopted by I. S. 1200.
2. To train students in computing quantities of various building items of R.C.C. framed structure, steel structure, building services such as water supply, sanitation and drainage, electrical installations and acquainting them with rates of various building items.

COURSE OUTLINE

1. Introduction to the definition, aim and scope of "Quantity Computation"
2. Study of different types of estimates
3. Study of mode of measurements as stipulated in I. S. 1200
4. Methods of computing quantities for load bearing types of structure and preparing abstract and bills of quantities including units of measurements.
5. Computing quantities of various building items for r.c.c. framed structure, steel structure and building services such as plumbing and water supply. Preparing of quantities for estimation and tendering purposes.
6. Study of composition of rates of various building items, percentage distribution in the rates of materials, labour, tools and plant, contractor's profits and overheads etc.
7. Analysis of rates of main items of building work with reference to prevalent market rates of materials and labour wages.
8. Preparation of indent of various building materials for r.c.c. framed structure.
9. Measurements of completed items for payment to contractor's interim and final certificate.
10. Introduction to use of computer for computation of quantities of various building items.

SESSIONAL ASSIGNMENTS

Hand written Computation and Bills of Quantities shall be prepared of following :

1. Load bearing structure of total plinth area between 15 to 25 sq. mts.

2. Load bearing structure having total built-up area between 100 to 150 sq. mts. Including staircase and toilet block
3. R.C.C. framed structure comprising of Ground and First Floor having total built-up area between 100 to 150 sq. mts. Including staircase and toilet block
4. Computing quantities of single storied steel framed factory building or workshop having total built-up area between 100 to 150 sq. mts. Including m. s. trusses, purlins and sheet roofing.
5. Working out rate analysis of routine civil items.

RECOMMENDED READING :

1. Professional Practice by R. H. Namavati
2. Estimating and Costing by Rangawala and B. N. Dutta
3. Civil Engineering Contracts and Estimates by B. S. Patil
4. I.S.I. Handbook of measurements of building works.

Subject Code : 413426 SPECIFICATION WRITING (Sessional) 413427 SPECIFICATION WRITING (Paper)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	2	Term I and Term II Sessional (Internal) Sessional (External) Viva	25 marks (for each term) 25 marks (for each term) nil
Studio Periods per week	--	Total sessional marks for both terms	100 marks
Total Contact Periods per week	2	Paper	100 marks
		Total Marks	200 marks

OBJECTIVES :

To acquaint students with methodology of writing specifications with reference to building trades, materials, workmanship and performance of different items of work and introducing the students to specifications as an integral part of contract document for building projects.

COURSE OUTLINE

1. Specification as part of contract document, definition, need and importance, its relationship with working drawings, bill of quantities and schedule of rates.
2. Types of specifications, open, closed, restricted, prescriptive, performance based, or combination of above types. Use of manufacturers guide etc.
3. Specification writing method to include master list, sectional formats, page formats, general material items, tests, performance, mode of measurements etc.
4. Methodology of writing item wise detailed specifications including methods and forms of writing descriptive notes on materials and workmanship based on working drawings.
5. Collection of catalogues and technical information on various materials, products and specialized items.
6. Preparation of checklist for writing detailed specifications.
7. Study of different building trades, their scope and contents
8. Introduction to writing specifications for building services and checklist for services such as Water Supply, Drainage, Acoustics, Electrical and HVAC installations.
9. Broad outline of specification for other service-installations in building such as
 - Communication systems – elevators, escalators, telecommunication
 - Accessibility – arrangements for disabled person.
 - Water-proofing. (Cement, bitumen, polymer based).

- External development like roads (flexible and rigid construction) pavements, kerbs, lighting, security – systems, fencing.
- Environment Responsive Systems, Renewable energy applications, efficient fuel-systems.

SESSIONAL ASSIGNMENTS :

1. A journal shall be prepared which will cover notes on the portion mentioned above.
2. Specification writing shall be studied in conjunction with working drawings and the first assignment of Load bearing structure of 15 to 25 sq. mt. Plinth area will be covered by preparing specification for common building materials and trades.
3. Technical literature on various specialized items and manufacture's catalogues shall be collected.

RECOMMENDED READING :

1. Indian Standard Specifications
2. C.P.W.D. Specifications and schedule of rate analysis
3. Specification Writing for Architects and Engineers. By Donald A. Watson.
4. Specification Writing for Architects and Surveyors by Arthur J. Wills

Subject Code : 413428 TOWN PLANNING (Sessional) 413429 TOWN PLANNING (Paper)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	1	Term I and Term II Sessional (Internal) Sessional (External) Viva	25 marks (for each term) 25 marks (for each term) nil
Studio Periods per week	3	Total sessional marks for both terms	100 marks
Total Contact Periods per week	4	Paper	100 marks
		Total Marks	200 marks

OBJECTIVE

To provide Town Planning inputs to architectural design. It is intended that Town Planning exercise should run parallel to the topics being taken up in architectural design studio. The focus will be on application of Town Planning theories in Town Planning studio.

COURSE OUTLINE

- Introduction to the subject of Town Planning, need of study of Town Planning for an architect.
- Planning Theories – Theories by Le Corbusier, Sir Patrick Geddes, Sir Ebenezer Howard, C. A. Doxiadis, Clarence Perry and Lewis Mumford.
- Study existing settlement with respect to current theories in planning.
- New towns and cities in India. (Administrative, Tourism Potential Areas, Industrial, Railway Town, Religious Activities, Project Based Areas etc.)
- Introduction to Town Planning Schemes, Development Plan and Regional Plan. Types of surveys (Physical, social and Economical, Aesthetic Surveys) and method of their analysis, policy making and implementation, including finance funding and phasing.
- Housing – National housing policy, social aspects of housing, economics of housing, types of housing based on various aspects and land economics.

- Introduction to Planning Legislation : Introduction to M.R.T.P. Act of 1966, Land Acquisition Act of 1894, Maharashtra Slum Redevelopment Act, Urban Arts Commission Act, Maharashtra Tree Act, Municipal Act, Urban Ceiling Act.
- M.I.D.C. Act, Mhada Act. Development Control Rules for A, B, C Class Towns, and Municipal Corporations. Development Control Rules of Local Municipal Corporations.
- Introduction about Professional Bodies in planning profession such as T.C.P.O. and I.T.P.I. etc. Various Planning authorities like D.D.A., CIDCO, MMRDA, and PCNTDA etc. Introduction to Local and Self Government in urban as well as rural areas, introduction to 73rd and 74th amendment to the constitution.
- Urban redevelopment and renewal including necessary surveys, Urban traffic and Transportation.
- Brief study about role of Urban Design, Landscape Design and Streetscape Design in Town Planning.

SESSIONAL WORK

- Subdivision of plots (including conversion of land to Non Agriculture use)
- Study report on Town Planners and towns designed by them.
- Neighborhood layout.
- Redevelopment of existing slum area of the city
- Project based on Urban Design and Landscape Design aspect in planning.
- Case studies of various types of housing
- Visit to any of the planning organizations, builders and promoters
- Study of existing Town and Town Planning proposals
- Urban renewal scheme
- Social and environmental problems of sporadic and unplanned growth of urban and rural areas.

REFERENCE BOOKS :

1. Urban Pattern – Arthur B. Gallion
2. Design of Cities – Edmund Bacon
3. Site Planning – Kevin Lynch
4. Image of City – Kevin Lynch
5. Town and Country Planning in India – N. K. Gandhi
6. Town Planning – Law, Administration and Professional Practice – G. R. Diwan
7. P.W.D. Handbook of Town Planning
8. Development Plan and Regional Plan Reports
9. Tomorrow – Peaceful Path To Social Reforms – Sir Ebenezer Howard.
10. Basics of Town Planning – J. G. Keskar
11. Townscape – Gordon Cullen
12. Architecture of Town and Cities – Paul D. Spreiregen
13. The New Landscape – Charles Correa
14. Land Acquisition Act of 1894
15. Maharashtra Slum Redevelopment Act
16. Urban Arts Commission Act
17. M.R.T.P. Act of 1966.

TEACHING PLAN :

1. Out of all the exercise mentioned in sessional work, minimum six exercises are to be completed including following three compulsory exercises
 - i. Case studies of various types of housing
 - ii. Study of existing Town and Town Planning proposals.

- iii. Project based on Landscape Design, Urban Design aspects in Town Planning.
2. Out of the rest excluding above three exercises any three could be taken up in rotation.
3. The exercises can be group work.

Subject Code : 413430 PROFESSIONAL PRACTICE (Sessional) 413431 PROFESSIONAL PRACTICE (Paper)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	2	Term I and Term II Sessional (Internal) Sessional (External) Viva	25 marks (for each term) 25 marks (for each term) nil
Studio Periods per week	--	Total sessional marks for both terms	100 marks
Total Contact Periods per week	2	Paper	100 marks
		Total Marks	200 marks

OBJECTIVES :

- To acquaint the student with the various responsibilities of an architect and understand the technicality of the profession.
- To acquaint students with avenues of professional services as well as with relevant scope, mode and conduct of architectural practice.
- To acquaint students with documentation and procedures for execution of building works/projects as well as with managerial aspects of the same.

COURSE OUTLINE

TERM I

- Nature of profession, difference between trade, business and profession,
- Introduction to the importance of professional organizations like I.I.A., COA & their membership.
- Architects office set up and administration, correspondence, letters, reports, taking instruction from the client, its interpretation, design process and its stages, preparation of drawing, filing, standardization and documentation.
- Office Organization, Proprietorship, Partnership, Company etc; Registration as Firm / Company etc.
- Accounts systems and Taxation.
- Detailed study of scope of comprehensive architectural services as framed under Architect's Act 1972.
- Code of Conduct, scale of professional fees as per rules and regulations framed by the Council of Architecture.
- Architectural Competition – Types, procedures, as per guidelines of the Council of Architecture.
- Introduction to valuation of properties, its purpose and different methods of valuation as adopted by different organizations / bodies. Dilapidations and Easements.

COURSE OUTLINE

TERM II

- Tenders – Types and procedures, selection of contractor for building work / project, pre-qualification of contractors, letter of Intent / "Works-order" to the Contractor.
- Articles of Agreement and Conditions of Contract. (Study of conditions stipulated by I.I.A., Price Escalation).
- Site - visit reports and instructions.

- Introduction to architectural supervision, quality control and monitoring of projects, with the help of Bar-Charts / CPM / Pert-Charts.
- Introduction to 'Arbitration'.

TERM – WORK

Term-Work to comprise of the following exercise/s

Minimum three hand-written tutorials on all aspects covered in the 'Course-outline' above.

RECOMMENDED READINGS :

- (1) Private Architectural practice – by Manrice E. Tayler
- (2) Architectural Practice and Procedure – by Hamilton H. Turner.
- (3) Professional Practice in India – by Madhav G. Deobhakta
- (4) Professional Practice – by R. H. Namavati
- (5) Architect's Act 1972
- (6) Council of Architecture and I.I.A. Publications relevant to the 'Course-outline above'.

Subject Code : 413432 DISSERTATION AND ARCHITECTURAL PROJECT (PART I) (Sessional)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	1	Term I and Term II Sessional (Internal) Sessional (External) Viva	50 marks (for each term) 50 marks (for each term) nil
Studio Periods per week	2	Total sessional marks for both terms	200 marks
Total Contact Periods per week	3	Paper	nil
		Total Marks	200 marks

AIM :

The subject of Dissertation is included in the syllabus with the intention of introducing the students to the process of conducting systematic research in the subject of their choice but in the overall Architectural Context and acquainting them with the research methodologies adopted while carrying out research in a particular subject. The students are expected to get an orientation in Technical Writing which is an emerging field for making a career. The Dissertation is expected to impart initial training at undergraduate level so as to prepare them for more advanced research at postgraduate level.

The topic of research should relate to the "Architectural Project" that the student intends to undertake. This will help the student to extend the findings of the research to the architectural design.

COURSE OBJECTIVES

1. To introduce the students to research in architecture and its significance in the architectural practice.
2. To introduce the students the types of research in architecture and the process of formulating a research plan.
3. To introduce the students to various methods of research in architecture, their relative advantages and disadvantages and their applications.

4. To introduce the students to data analysis and simple statistical analysis and to interpret and infer from the data.
5. To introduce the students to the technical writing and presenting a research report.

COURSE OUTLINE

TERM I

Introduction to research in architecture – its significance, research design, types of research, literature study, methods of research in architecture (interviewing / visual methods / content analysis); data documentation and analysis, introduction to statistics, presenting the data and reporting the research.

TEACHING PLAN

The course outline has been compiled into 8 units which have to be communicated in the form of lectures to the students to achieve the objective of acquainting the students with the research methods and the process of research. The amount of time in weeks required for each unit is mentioned in parenthesis. Approximately 15 weeks are required for covering the units.

It is recommended that units 1 to 4 shall be covered in the earlier part of term I of the year. By knowledge of the methods of research and having introduced to the research design, students can undertake the research design and primary data collection after initial 8 weeks of the term. Units 5 to 8 can be covered in the earlier part of term II of the year by demonstrating these units using the data collected by the students.

TERM I:

Unit 1 Introduction (2 week)

Introduction to "research" and its significance in architecture – meaning of research. Relationship between design and research. Types of research in architecture, areas of research in architecture, qualitative and quantitative paradigms.

Unit 2 Research Design (2 weeks)

Components of research design – formulating the research questions, hypothesis, choosing the sample, methods of data collection, analyzing the data and inferring from the data. Concepts of dependent and independent variables, unit of analysis. Defining the scope and limitations of a research plan, significance of the research outcome. Preparing time schedule & budget for a research plan.

Unit 3 Literature Study and Research (1 week)

Significance of literature study in research, different sources of information such as books, journals, newspapers, internet, magazines, audio-recordings, etc. Referencing and documenting the bibliography.

Unit 4 Methods of Research in Architecture (3 weeks)

Interview Techniques : Questionnaires /Face to face Interviews / Internet survey. Designing a Questionnaire / Interview schedule.

Visual Techniques : Observations (participant / non-participant / direct), activity mapping, accession/erosion trace observations, cognitive maps, etc.

Content Analysis : Secondary data analysis.

Understanding the relative advantages, disadvantages and application of various methods mentioned above and choosing a method appropriate for a research to achieve its objectives.

TERM II:

Unit 5 Data Documentation and Analysis (2 weeks)

Understanding the nature of data collected and methods of analysis suitable for that data (graphical / numerical / descriptive). Converting data into numerical form for data analysis.

Unit 6 Introduction to the Statistics (3 weeks)

Introduction to the simple statistical methods of analyzing numerical data – frequencies / percentages, mean / median / mode, correlation, chi square test – inferring from the data and interpreting the meaning of those inferences. Use of MS Excel for statistical data analysis.

Unit 7 Presentation of the Data (1 week)

Techniques of presenting the numerical data – graphical (pie charts, bar charts, line graphs etc.), tabulations, verbal qualitative data, architectural drawings / maps.

Unit 8 Reporting the Research (1 week)

Different sections of a research report, technical writing and language (tense, voice, etc.), formatting of a report.

SESSIONAL WORK

1. A **Class test** based upon the units 1 to 4. (20 % of total marks) to be conducted at the **end of term I**.
2. Writing a **review essay** of about 1000 words on any one book / part of a book (chapter) related to architecture, read by the student. (10% of total marks) in **term I**.
3. Undertaking **research on a topic** (for Architectural Project - approved by the University of Pune).
 - a. Approach to research, research design (20% of total marks)
 - b. Field work (data collection) and Analysis of the data (20% of total marks)
 - c. Report writing and presentation (30% of total marks).

Phases (a) above can be assessed in term I while phases (b) & (c) above, will be essentially assessed in the term II.

SUBMISSION, CHAPTERS AND FORMAT OF THE REPORT (Architectural Project Part I):

Candidates must submit three copies of the report duly signed and endorsed by the Principal and the Guide to their respective colleges. Following is a brief guideline for the sections / chapters in the report and the formatting of the report.

1. The report will have three main parts :

- a. Initial Pages –in the following sequence.
 - i. Title Page
 - ii. Certificate from the College
 - iii. Acknowledgement
 - iv. Table of Contents
 - v. List of figures, photos, drawings, tables.
 - vi. List of abbreviations
- b. Main body of the report (not to exceed 4000 words).
 - i. Introduction
 - ii. Literature review
 - iii. Methodology
 - iv. Data Analysis and Findings
 - v. Conclusions and Discussions
 - vi. Recommendations / Design Guidelines
 - vii. Glossary
- c. Appendices

2. Formatting of the report

- a. The report shall be presented in A4 Portrait form using executive bond paper.
- b. The font to be used shall be either **Bookman Old Style** or **Times News Roman**.
- c. **CHAPTER TITLES** : 16 point upper case bold, **Sub-headings** : 14 point title case bold and overall text shall be in 12 point sentence case.
- d. Line Spacing shall be 1.5 lines.

- e. Page numbers shall be given at the bottom centre of a page. The initial pages (as in 1 above) should have roman small numerals (i, ii, iii etc.) while the body of the report and appendices shall have English numerals (1,2,3 etc.)
- f. Margins : Left Margin 40mm (1.5 inch approx) All other margins 25mm (1 inch approx).
- g. Report shall be typed on one side of the page.
- h. Black binding with Golden Embossing.
- i. Standard conventions for giving references, writing bibliography, annotating figures /tables shall be followed.

RECOMMENDATIONS

Topic for Research : The topic of research should be related to the "Architectural Project" that the student intends to undertake. This will help the student to extend the findings of the research to the architectural design. In this manner, the effort for dissertation would become focused, directional and relevant. The choice of subject shall depend upon many factors such as student's personal interest, circumstances and abilities. A careful check shall be made to see that access is available to relevant buildings and to appropriate libraries, record offices, laboratories and other technical resources. Thought must be given to any travel, and field trips, which may be necessary.

Thus coordination between "Dissertation" and "Architectural Project" at the college level is very essential and an over view meeting with the students should be arranged at the end of the third year B.Arch. Depending upon the philosophy of a particular college, the college may allow topics focusing upon a particular area related to their mission statement.

Following is a list of some Building Types for reference.

1. Housing

Individual or Group Housing Schemes.

2. Transportation Projects

Railway stations, City / Interstate Bus Terminus / Domestic and International Air Ports.

3. Cultural, Educational Projects

Display oriented topics like Museums, Art Galleries, and Theatres for Performing Arts such as Drama, Dance and Music. University and College campuses, Libraries etc.

4. Sports Recreation and Tourism oriented topics

Stadium, Gymnasium, Swimming Pool, Students Recreation Centers, Clubs, Tourist Resorts, Holiday Homes, Motels, Conference Centers etc.

5. Administrative and Civic Buildings

Private and Government Offices, work centers, Town Halls, Police Headquarters, Law Courts etc.

6. Industrial Projects

Factories, Specialised Production Centers such as Pharma Industry, IT Parks and related types of building

- 7. **Technical and Specialized topics such as** Hospitals, Clinics, Film and T. V. Studios, Cost and Structure oriented topics such as cost effective technologies, Energy efficient building design, Pre fabricated and Industrialized Construction etc.

Guide : The guides for the dissertation should have minimum 5 yrs. of teaching experience as full time faculty member at an architecture college or shall be a visiting faculty member / practitioner with at least 10 yrs experience. Preferably, a guide should not guide more than 8 students for the dissertation.

The dissertation coordinator at a college, should deliver research methods lectures and at times call experts from the field of architecture to review students' work, experts from other fields to give special inputs such as technical writing, statistical methods etc.

RECOMMENDED BOOKS

1. Babbie, E. *The Practice of Social Research*, (third edition). Belmont :Wadsworth Publishing Co. 1983.
2. Creswell, J. W. *Research Design: Qualitative, quantitative and mixed methods approaches*, 2nd Ed., Thousand Oaks : Sage. 2003.
3. Creswell, J.W. *Research Design: Qualitative & Quantitative Approaches*. Thousand Oaks : Sage. 1994.
4. De Vaus, D. A. *Surveys in Social Research*, Jaipur : Rawat Publications. 2003.
5. Dey, I. *Qualitative Data Analysis : A User Friendly Guide for Social Scientists*, London : Routledge. 1993.
6. Groat, L. & Wang, D. *Architectural Research Methods*, NY : John Wiley and Sons Inc. 2002.
7. Kothari, C.R. *Research Methodology : Methods and Techniques*, New Delhi : Wishwa Prakashan. 2005.
8. Nachmias, C. F. and Nachmias, D. *Research Methods in the Social Sciences*, 5th Edition Great Britain: St. Martin's Press Inc. 1996.
9. Norman K Denzin and Yvonna S Lincoln (Eds.) *Handbook of Qualitative Research*, Thousand Oaks : Sage Publications, pp. 377-392. 1994.
10. Patton, M. Q. *Qualitative Evaluation Methods*, Newsbury Park : Sage Publications. 1980.
11. Sanoff, H. *Methods of Architectural Programming*, Dowden Hutchinson and Ross, Inc. Vol. 29, Community Development Series. 1977.
12. Sanoff, H. *Visual research methods in design*, USA : Van Nostrand Reinhold. 1991.
13. Silverman, D. *Interpreting Qualitative Data : Methods for Analysing Talk, Text and Interaction*, London: Sage Publication. 1993.
14. William Michelson (ed.) *Behavioral Methods in Environmental Design*, Stroudsburg, Pennsylvania : Dowden Hutchinson and Ross. Inc. 1982.

UNIVERSITY OF PUNE

DETAIL SYLLABUS

FOR

FIFTH YEAR

BACHELOR OF ARCHITECTURE

(Fifth Year B.Arch. & B. Arch. (ID))

2008 COURSE

(to be implemented from 2014-15)

FACULTY OF ENGINEERING

BOARD OF STUDIES IN ARCHITECTURE

FIFTH YEAR B.ARCH.

Sr. No.	Subject Code	Name of Subject	Head	Teaching Scheme			Examination Scheme		
				Lecture Periods	Studio Periods	Total Periods	Term I Marks	Term II Marks	Total Marks
1	513421	Practical Training	SV	--	--	--	100	--	100
2	513422	Architectural Project Part II	SV	2	10	12	--	400	400
3	513423	Management Elective	SS	1	1	2	--	50	50
4	513424	Allied Elective	SS	1	1	2	--	50	50
		TOTAL		4	12	16	100	500	600

FIFTH YEAR B.ARCH.

DETAIL SYLLABUS

Subject Code : 513421 PRACTICAL TRAINING (Sessional and Viva)			
Teaching Scheme		Examination Scheme	
Lecture Periods per week	--	Term I Only	
		Sessional (Internal)	25 marks (for Term I)
Studio Periods per week	--	Sessional (External)	25 marks (for Term I)
		Viva	50 marks (for Term I)
Total Contact Periods per week	--	Total sessional marks for Term I Only	100 marks
		Paper	nil
		Total Marks	100 marks

AIMS AND OBJECTIVE

The aim of introducing one complete term for the students to undergo practical training is to expose them to the world of Professional Practice and get hands on training under the guidance of a professional who is actively engaged in Architectural Practice. It will give the students first hand experience of dealing with live projects of various nature and also the site experience to see how the projects get built on the site. The students will also be able to learn about the Office Management, Project Management, Contract Management, Human Resource Management, new techniques of construction, advance building services, landscape and environmental designing etc. This rich experience is expected to enhance the students' ability to think comprehensively and better prepare them for undertaking the Architectural Project work in the final semester.

COURSE OUTLINE

- 1 The term of Practical Training will commence immediately after the examination of Fourth Year and will continue till the end of IX SEM or thereabout. The students are expected to work in the organization where architecture and its related practice are carried out and under the guidance of the professional who is registered with Council of Architecture. In case the student opts to go abroad he / she will work under the guidance of the professional who is registered with the council / any other organization controlling the profession of Architecture in the respective country. The students will decide very carefully about their placement venue as it is expected that they learn best ethics in Professional Practice and which produces quality architecture. The placement cell of each College will extend all possible help to the students in this regard.
- 2 The total duration of the training will be minimum 18 working weeks / 90 working days excluding the holidays.

SUBMISSION

1. The students shall prepare an exhaustive Training Report separately or in a formal Log Book issued to him by the College as per the College policy, week by week, which will cover detailed record of the work done in the office, site visit reports, interviews with clients and any other agency, interaction with principal architect etc. The professional with the seal of the organization, under whose guidance the student worked, will sign the report and also his reflection about the student's work and his overall approach and attitude towards the office work.
2. The students shall produce the above mentioned Training Report and the Log Book at the time of viva-voce examination. He will also produce few drawings with the permission of his employer to indicate the kind of work he has carried out.

SESSIONAL ASSESSMENT AND VIVA-VOCE: The sessional and viva assessment shall be done jointly by the Internal and External Examiners and the allocation of marks shall be as stipulated in the syllabus

Teaching Scheme		Examination Scheme	
Lecture Periods per week	2	Term II	
		Sessional (Internal)	150 marks (for Term II)
Studio Periods per week	10	Sessional (External)	150 marks (for Term II)
		Viva	100 marks
		Total sessional marks for both terms	400 marks
Total Contact Periods per week	12	Paper	nil
		Total Marks	400 marks

OBJECTIVE

To expose and to provide opportunity to the students to extend the findings of the research carried out under the subject of “Dissertation” to the architectural project and exercise full-fledged large scale Architectural Design with holistic approach including site investigation, programme formulation, and design demonstration.

COURSE OUTLINE

The architectural project(Part II) shall consist of : **Design Demonstration i.e.** Formulation of Design Programme, Site investigation, and selection, and culmination in a concrete design demonstration.

SUBMISSION WORK :

Sessional work for the Part II of Architectural Project shall consist of a **Design Solution :** Graphically presented Design solution in form of sufficient number of architectural drawings, (manually drawn/computerized) with models etc. Since the Architectural Project is the culmination of five years of learning in various aspects of Architecture, it is expected that students demonstrate an ability of holistic and comprehensive thinking in the areas of ,

- Site Planning
- Structural considerations
- Interior space planning
- Environmental planning
- Building Services
- Climate responsive, Energy efficient and exhibiting qualities of sustainable architecture.
- Architectural Detailing.

The portfolio will consist of drawings sufficiently in detail to demonstrate the consideration given to the above-mentioned attributes of a good quality Architectural Project. Emphasis shall be given to the preparation of self-explanatory drawings in great detail, as if in any Architectural Competition.

SESSIONAL ASSESSMENT

The Internal assessment of “Architectural Project” shall be carried out **STAGE WISE** as decided by the individual College.

The final assessment in the examination shall be done by both Internal and External Examiner / s in which the student will display his work on the space allotted to him and explain his work and answer all the queries raised by the Examiners.

The Time allotted per student shall be minimum 30 minutes to maximum 45 minutes. The Internal stage wise marking shall be done out of 150 marks and External marking shall be done jointly by the External Examiner/s out of 150 marks. 100 marks shall be reserved for oral presentation to be assessed jointly by both Internal and External Examiners.

The individual college will make available Guides specializing in various disciplines who will make themselves available to the students in College premises on pre appointed days and time.

Individual Guide will guide maximum of **FIVE STUDENTS** of a particular College in which he is working as a Guide. Total number of students from all the Colleges shall not exceed **EIGHT** at any one time.

In order to qualify to work as a Guide the teacher / professional must possess minimum of **FIVE YEARS** of teaching / professional experience. Efforts shall be made to appoint guides who have high academic qualification, having rich Professional experience and contributed in a major way to the field of Architectural Education / Profession.

RECOMMENDED READING

All books relevant to the topic of the architectural project.

Teaching Scheme		Examination Scheme	
Lecture Periods per week	1	Term II	25 marks (for Term II)
		Sessional (Internal)	
Studio Periods per week	1	Sessional (External)	25 marks (for Term II)
		Viva	nil
		Total sessional marks for both terms	50 marks
Total Contact Periods per week	2	Paper	nil
		Total Marks	50 marks

AIMS AND OBJECTIVE

The subject of Electives has been introduced in syllabus with specific intention of in depth study of a particular subject of student's liking in greater detail but in the larger context of overall scope of Architecture syllabus at undergraduate level. This will give students an opportunity to develop their skills in a subject they may opt, to make their career in future. Architectural practice is a team effort in which persons of different skills in varied fields are required such as Concept Developers, Technical / Working Drawing Experts, Specification Writers, Quantity Surveyors, Project Managers, Contract Managers, Interior Designers, Architectural Photographers, Architectural Journalists, Signage and Graphic Designers, Energy Consultants, Building Services Consultants, Making Managers etc. In depth study in Electives will prepare the technical base of the students. Since the Architectural Projects in future are going to be very complex, the vital need of support staff in Architectural Practice will be fulfilled and the student's skills and talent will be effectively used.

COURSE OUTLINE

Individual College may offer topics depending upon the availability of experts and resource material. The Colleges will have the opportunity to focus on particular group of topics according to overall philosophy and mission statement of the College. The probable management elective topics are as follows :

1. Project Management.
2. Energy management.
3. Architectural legalities.
4. Architect's office management.
5. Disaster management.
6. Risk management.
7. Entrepreneurship Development and Total Quality management.
8. Information Technology in Architectural profession.
9. Financial Management and Budgeting

SUBMISSION DETAILS :

The students are expected to study the selected topic in depth, including the basic principles, and their application in built projects by undertaking case studies, necessary site visits, and collecting all the relevant information to make it an exhaustive study and present it in a well documented format having A-3 / A-4 size papers properly filed with a signed certificate from concerned Teacher / Expert stating that the study was carried out under his guidance and countersigned by the Principal / Academic Co-ordinator.

Teaching Scheme		Examination Scheme	
Lecture Periods per week	1	Term II	
		Sessional (Internal)	25 marks (for Term II)
		Sessional (External)	25 marks (for Term II)
Studio Periods per week	1	Viva	nil
		Total sessional marks for both terms	50 marks
Total Contact Periods per week	2	Paper	nil
		Total Marks	50 marks

AIMS AND OBJECTIVE

The subject of Electives has been introduced in syllabus with specific intention of in depth study of a particular subject of student's liking in greater detail but in the larger context of overall scope of Architecture syllabus at undergraduate level. This will give students an opportunity to develop their skills in a subject they may opt, to make their career in future. Architectural practice is a team effort in which persons of different skills in varied fields are required such as Concept Developers, Technical / Working Drawing Experts, Specification Writers, Quantity Surveyors, Project Managers, Contract Managers, Interior Designers, Architectural Photographers, Architectural Journalists, Signage and Graphic Designers, Energy Consultants, Building Services Consultants, Making Managers etc. In depth study in Electives will prepare the technical base of the students. Since the Architectural Projects in future are going to be very complex, the vital need of support staff in Architectural Practice will be fulfilled and the student's skills and talent will be effectively used.

COURSE OUTLINE

Following is a list of topics from which individual Colleges may offer few topics depending upon the availability of experts and resource material. The Colleges will have the opportunity to focus on particular group of Electives such as Design, Technology, Management or Allied group, according to overall philosophy and mission statement of the College. The probable Allied Elective topics are as follows :

- | | |
|--------------------------------|------------------------------|
| 1. Visual Communication | 2. Fine Arts and Graphics |
| | Advanced Computer |
| 3. Architectural Journalism | 4 Graphics |
| 5. Architectural Conservation | 6 Photography |
| 7. Applied Psychology in Arch. | 8 Applied Sociology in Arch. |
| Housing Finance and Building | |
| 9. Economics | |

SUBMISSION DETAILS :

The students are expected to study the selected topic in depth, including the basic principles, and their application in built projects by undertaking case studies, necessary site visits, and collecting all the relevant information to make it an exhaustive study and present it in a well documented format having A-3 / A-4 size papers properly filed with a signed certificate from concerned Teacher / Expert stating that the study was carried out under his guidance and countersigned by the Principal / Academic Co-ordinator.



M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

D) Institute Time Table and Teachers Teaching Loads

1. AY- 2020-2021

- Time Table -Sem-I & SEM-II
- Teachers Teaching Load



MVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2020-21)

SEM I Div A

Co-ordinator: Ar. Ketaki Manolkar

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 9.00	BCM I (L)	TOS I (L)	HOAC I (L)	AUDIT	BD (S)
TEACHER	AN/ KM/ NM /SG	AT	PB	SB	UH/ KM/ RD
9.00 - 10.00	BCM I (S)	TOS I (L)	HOAC I (L)	AGD II(S)	BD (S)
TEACHER	AN/ KM/ NM /SG	AT	PB	KM/TP/RB/SB	UH/ KM/ RD
10.00 - 11.00	BCM I (S)	BD (L)	HOAC I (S)	AGD II(S)	BD (S)
TEACHER	AN/ KM/ NM /SG	UH/ KJ/ RD	PB	KM/TP/RB/SB	UH/ KM/ RD
11.00 - 11.30	B R E A K				
11.30. - 12.30	BCM I (S)	BD (S)	WORKSHOP I (L)	AGD II(S)	COM. SKILL (L)
TEACHER	AN/ KM/ NM /SG	UH/ KJ/ RD	SD/RA/ST	KM/TP/RB/SB	RB
12.30 - 1.30	BCM I (S)	BD (S)	WORKSHOP I (S)	AGD II(S)	COM. SKILL (L)
TEACHER	AN/ KM/ NM /SG	UH/ KJ/ RD	SD/RA/ST	KM/TP/RB/SB	RB
1.30 - 2.30	FHD (L)*	BD (S)	WORKSHOP I (S)	AGD II(S)	COM. SKILL (S)
TEACHER	SB	UH/ KJ/ RD	SD/RA/ST	KM/TP/RB/SB	RB

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, UH- Umesh Hirawe, AN- Abhishek Nasikar, KM- Ketaki Manolkar, NM - Nandan Malani, RB - Radhika Bhattad, TP-Tejas Pawar, AT - Anil Thomare, SD - Suhas Datrange, RA- Rahul Aher, ST- Suresh Tajane,

VISITING FACULTY: RD - Rounak Dodecha, SG - Sayali Gogate

 IQAC Coordinator	 College Stamp	 Principal
--	--	---

Institute Philosophy lectures are given in Teaching Load additionally in subject of FHD.

MVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2020-21)
 Co-ordinator: Ar. Kiran Kadam

SEM I Div B

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 9.00	BCM I (L)	TOS I (L)	WORKSHOP I (S)	AUDIT	BD II (S)
TEACHER	KK / YK/TM/MDR	ABH	LG/RA/ST	LG	AP / SC / RP / PP
9.00 - 10.00	BCM I (L)	TOS I (L)	WORKSHOP I (S)	AGD I (S)	BD II (S)
TEACHER	KK / YK/TM/MDR	ABH	LG/RA/ST	AK/KK/SW	AP / SC / RP / PP
10.00 - 11.00	BCM I (S)	BD I (L)	WORKSHOP I (S)	AGD I (S)	BD II (S)
TEACHER	KK / YK/TM/MDR	AP / SC / RP / PP	LG/RA/ST	AK/KK/SW	AP / SC / RP / PP
11.00 - 11.30	B R E A K				
11.30 - 12.30	BCM I (S)	BD I (S)	HOAC I (L)	AGD I (S)	COM. SKILL (L)
TEACHER	KK / YK/TM/MDR	AP / SC / RP / PP	MB/TM	AK/KK/SW	PS
12.30 - 1.30	BCM I (S)	BD I (S)	HOAC I (L)	AGD I (S)	COM. SKILL (L)
TEACHER	KK / YK/TM/MDR	AP / SC / RP / PP	MB/TM	AK/KK/SW	PS
1.30 - 2.30	FHD (L)*	BD I (S)	HOAC I (L)	AGD I (L)	COM. SKILL (S)
TEACHER	LG	AP / SC / RP / PP	MB/TM	AK/KK/SW	PS

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, MB- Megha Butte, AP- Ankita Patil, KK- Kiran Kadam, SW- Sachin Waje, ABH- Ashwini Bhusare, LG- Lewant Gavande, RA- Rahul Aher, ST- Suresh Tajane

VISITING FACULTY: YK - Yogita Kulkarni, PP - Pooja Palod, TM -Tejaswini Marode, MDR- Madhulika Raut

 IQAC Coordinator	 College Stamp	 Principal
--	--	---

Institute Philosophy lectures are given in Teaching Load additionally in subject of FHD.

MVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2020-21)
 Co-ordinator: Ar. Sharmishtha Surajiwale

SEM I Div A

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 9.00	CADG [L]	CADG [S]	BS I [L]	B C M III [L]	A D II [S]
TEACHER	UH/NK/SB	UH/NK/SB	SS /TP	SS /MR	SR/NK/SS/TK
9.00 - 10.00	CADG [S]	A D II [L]	BS I [L]	B C M III [L]	A D II [S]
TEACHER	UH/NK/SB	SR/NK/SS/TK	SS /TP	SS /MR	SR/NK/SS/TK
10.00 - 11.00	CADG [S]	A D II [S]	BS I [S]	B C M III [S]	A D II [S]
TEACHER	UH/NK/SB	SR/NK/SS/TK	SS /TP	SS /MR	SR/NK/SS/TK
11.00 - 11.30					
11.30. - 12.30	HOAC [L]	A D II [S]	BS I [S]	B C M III [S]	CLIMATOLOGY[L]
TEACHER	TP	SR/NK/SS/TK	SS /TP	SS /MR	KM
12.30 - 1.30	HOAC [S]	A D II [S]	TOS III [L]	B C M III [S]	CLIMATOLOGY[S]
TEACHER	TP	SR/NK/SS/TK	AT	SS /MR	KM
1.30 - 2.30	HOAC [S]	A D II [S]	TOS III [L]	Institute Philosophy	CLIMATOLOGY [S]
TEACHER	TP	SR/NK/SS/TK	AT	SS	KM

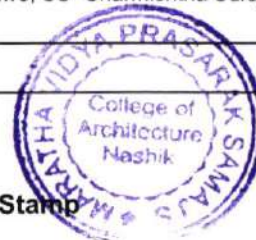
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, SR-Suruchi Ranadive, UH- Umesh Hirawe, SS- Sharmishtha Surajiwale, KM- Ketaki Manolkar, MR- Manisha Rajole, NK - Niketa Kothavale, AT - Anil Thomare, SB- Sankalp Bagul,

VISITING FACULTY: TK -Trupti Kakde



IQAC Coordinator



College Stamp



Principal

MVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2020-21)
 Co-ordinator: Ar.Purva Shah

SEM I Div B

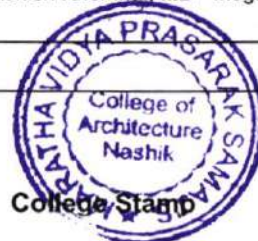
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 9.00	CADG [L]	CADG [S]	TOS III [L]	B C & M III [L]	A D II [S]
TEACHER	AK/SC/SD.	AK/SC/SD.	AT	GP / MB	PS/KK/GA/KP
9.00 - 10.00	CADG [S]	A D II [L]	TOS III [L]	B C & M III [L]	A D II [S]
TEACHER	AK/SC/SD.	PS/KK/GA/KP	AT	GP / MB	PS/KK/GA/KP
10.00 - 11.00	CADG [S]	A D II [S]	BS I [L]	B C & M III [S]	Institute Philosophy
TEACHER	AK/SC/SD.	PS/KK/GA/KP	GP /KK	GP / MB	PS
11.00 - 11.30					
11.30. - 12.30	HOAC [L]	A D II [S]	BS I [L]	B C & M III [S]	CLIMAT [L]
TEACHER	MB	PS/KK/GA/KP	GP /KK	GP / MB	HT / AP
12.30 - 1.30	HOAC [S]	A D II [S]	BS I [S]	B C & M III [S]	CLIMAT [S]
TEACHER	MB	PS/KK/GA/KP	GP /KK	GP / MB	HT / AP
1.30 - 2.30	HOAC [S]	A D II [S]	BS I [S]	Institute Philosophy	CLIMAT [S]
TEACHER	MB	PS/KK/GA/KP	GP /KK	PS	HT / AP

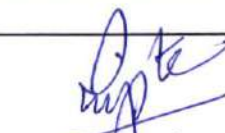
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, GP- Geetanjali Patil, AK - Ashish Khemnagar, MB - Megha Butte, PS- Purva Shah, ANK- Ankita Nikam, HT- Hemant Thakre, GA - Gaurav Arbooj, KK- Kiran Kadam, SC - Sheetal Chougule, SD- Suhas Datrange.

VISITING FACULTY: KP - Ketaki Pathak.


 IQAC Coordinator




 Principal

MVPS's College of Architecture, Nashik.
TH YEAR B. ARCH. (2020-21)
 Co-ordinator: Ar. Nandan Malani

SEM I Div A

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	B T M V [L]	DESIGN V [S]	B S III [L]	TOS V [L]	DESIGN V [S]
TEACHER	SR / S SON	AB/NM/TP/MR/MS	KJ /CN/AB	AT	AB/NM/TP/MR/MS
8.45 - 9.30	B T M V [L]	DESIGN V [S]	B S III [L]	TOS V [S]	DESIGN V [S]
TEACHER	SR / S SON	AB/NM/TP/MR/MS	KJ /CN/AB	AT	AB/NM/TP/MR/MS
9.30 - 10.15	B T M V [L]	DESIGN V [S]	B S III [S]	TOS V [S]	DESIGN V [S]
TEACHER	SR / S SON	AB/NM/TP/MR/MS	KJ /CN/AB	AT	AB/NM/TP/MR/MS
10.15 - 11.00	B T M V [S]	DESIGN V [S]	B S III [S]	Institute Philosophy	Institute Philosophy
TEACHER	SR / S SON	AB/NM/TP/MR/MS	KJ /CN/AB	NM	NM
11.00 - 11.30					
11.30 - 12.15	B T M V [S]	DESIGN V [S]	W D I [L]	HA IV (L)	LA [L]
TEACHER	SR / S SON	AB/NM/TP/MR/MS	AN /SS/YK	SR	NM /TP
12.15 - 1.00	B T M V [S]	DESIGN V [S]	W D I [L]	HA IV (L)	LA [S]
TEACHER	SR / S SON	AB/NM/TP/MR/MS	AN /SS/YK	SR	NM /TP
1.00 - 1.45	B T M V [S]	DESIGN V [S]	W D I [S]	HA IV (S)	LA [S]
TEACHER	SR / S SON	AB/NM/TP/MR/MS	AN /SS/YK	SR	NM /TP
1.45 - 2.30	Institute Philosophy	DESIGN V [S]	W D I [S]	Institute Philosophy	LA [S]
TEACHER	NM	AB/NM/TP/MR/MS	AN /SS/YK	NM	NM /TP

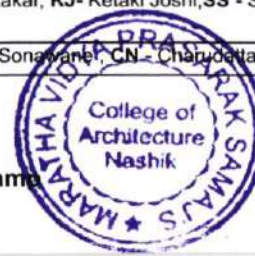
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, SR-Suruchi Ranadive, AN- Abhishek Nasikakar, KJ- Ketaki Joshi, SS - Sharmishtha Surajiwale, NM - Nandan Malani, NK - Niketa Kothavale, MR -Manisha Rajole, TP -Tejas Pawar, AT - Anil Thomare.

VISITING FACULTY: YK - Yogita Kulkarni, PA- Parag Adanwala, MS- Mahesh Shirke, S SON - Sagar Sonawane, CN - Chandana Nerkar AB - Archana Bidve.


 IQAC Coordinator

College Stamp




 Principal

MVPS's College of Architecture, Nashik.

THIRD YEAR B. ARCH. (2020-21)

SEM I Div B

Co-ordinator: Ar.Gaurav Arbooj

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	B T M V [L]	DESIGN V [L]	B S III [L]	HA IV (L)	DESIGN V [S]
TEACHER	PS /GA	GP/MB/HT/PA/TMP	MB / HT	GA	GP/MB/HT/PA/TMP
8.45 - 9.30	B T M V [L]	DESIGN V [L]	B S III [L]	HA IV (L)	DESIGN V [S]
TEACHER	PS /GA	GP/MB/HT/PA/TMP	MB / HT	GA	GP/MB/HT/PA/TMP
9.30 - 10.15	B T M V [L]	DESIGN V [L]	B S III [S]	HA IV (S)	DESIGN V [S]
TEACHER	PS /GA	GP/MB/HT/PA/TMP	MB / HT	GA	GP/MB/HT/PA/TMP
10.15 - 11.00	B T M V [S]	DESIGN V [S]	B S III [S]	Institute Philosophy	Institute Philosophy
TEACHER	PS /GA	GP/MB/HT/PA/TMP	MB / HT	GA	GA
11.00 - 11.30					
11.30. - 12.15	B T M V [S]	DESIGN V [S]	W D I [L]	T OS V [L]	LA [L]
TEACHER	PS /GA	GP/MB/HT/PA/TMP	VP/ AK/ AP	AT	GA / KP
12.15 - 1.00	B T M V [S]	DESIGN V [S]	W D I [L]	T OS V [S]	LA [L]
TEACHER	PS /GA	GP/MB/HT/PA/TMP	VP/ AK/ AP	AT	GA / KP
1.00 - 1.45	B T M V [S]	DESIGN V [S]	W D I [S]	T OS V [S]	LA [S]
TEACHER	PS /GA	GP/MB/HT/PA/TMP	VP/ AK/ AP	AT	GA / KP
1.45 - 2.30	Institute Philosophy	DESIGN V [S]	W D I [S]	Institute Philosophy	LA [S]
TEACHER	GA	GP/MB/HT/PA/TMP	VP/ AK/ AP	GA	GA / KP

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

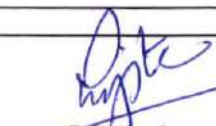
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, VP- Vijay Pawar, AK-Ashish Khemnar, GP-Geetanjali Patil, MB- Megha Butte, PS- Purva Shah, HT- Hemant Thakre, AN- Ankita Nikam, GA- Gaurav Arbooj, AT- Anil Thomare.

VISITING FACULTY: PA - Parag Adenwala, KP - Ketaki Pathak, TMP- Tejaswini Marode Patil,


IQAC Coordinator

College Stamp




Principal

MVPS's College of Architecture
FOURTH YEAR B. ARCH. (2020-21)

Co-ordinator: Ar. Abhishek Nasikakar

SEM I Div A

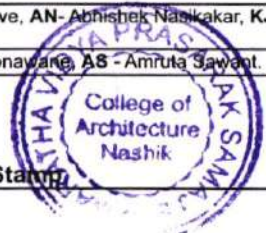
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	R I A I [L]	DESIGN VII [L]	QSE I [L]	ABTS-I [L]	DESIGN VII [S]
	PB / AS	AN/ NN/ AC/SM	MR	UH/ NK	AN/ NN/ AC/SM
8.45 - 9.30	R I A I [S]	DESIGN VII [L]	QSE I [S]	ABTS-I [L]	DESIGN VII [S]
	PB / AS	AN/ NN/ AC/SM	MR	UH/ NK	AN/ NN/ AC/SM
9.30 - 10.15	R I A I [S]	DESIGN VII [L]	QSE I [S]	ABTS-I [L]	DESIGN VII [S]
	PB / AS	AN/ NN/ AC/SM	MR	UH/ NK	AN/ NN/ AC/SM
10.15 - 11.00	INST. PHIL.	DESIGN VII [S]	ELECTIVE - III	ABTS-I [S]	DESIGN VII [S]
	AN	AN/ NN/ AC/SM	AN/SR/MR/RB	UH/ NK	AN/ NN/ AC/SM
11.30 - 12.15	P P I [L]	DESIGN VII [S]	ELECTIVE - III	ABTS-I [S]	S W I [L]
	AB	AN/ NN/ AC/SM	SR/MR/RB	UH/ NK	NK
12.15 - 1.00	P P I [S]	DESIGN VII [S]	USI [L]	ABTS-I [S]	S W I [S]
	AB	AN/ NN/ AC/SM	AB /RB /S SON	UH/ NK	NK
1.00 -1.45	P P I [S]	DESIGN VII [S]	USI [S]	ABTS-I [S]	S W I [S]
	AB	AN/ NN/ AC/SM	AB /RB /S SON	UH/ NK	NK
1.45 -2.30	INST. PHIL.	DESIGN VII [S]	USI [S]	INST. PHIL.	INST. PHIL.
	AN	AN/ NN/ AC/SM	AB /RB /S SON	AN	AN

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, SR- Suruchi Ranadive, UH- Umesh Hirave, AN- Abhishek Nasikakar, KJ- Ketaki Joshi, MR- Manisha Rajole, NK- Niketa Kothavie, RB- Radhika Bhattad, AT - Anil Thomare.

VISITING FACULTY: NN - Nitin Nikam, AC - Amol Choudhari, SM- Sanjay Mistri, S SON - Sagar Sonawale, AS - Amruta Sawant.


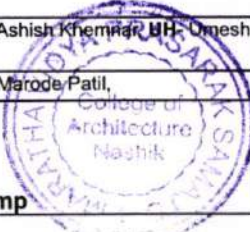
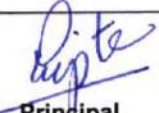

IQAC Coordinator


College Stamp





Principal

MVPS's College of Architecture
FOURTH YEAR B. ARCH. (2020-21)
 Co-ordinator: Ar.Ashish Khemnar

SEM I Div B

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	QSE I [L]	DESIGN VII [L]	R I A I [L]	ABTS-I [L]	DESIGN VII [S]
	AK	VP/ASo/SP/AK	TMP	VP / SC	VP/ASo/SP/AK
8.45 - 9.30	QSE I [S]	DESIGN VII [L]	R I A I [S]	ABTS-I [L]	DESIGN VII [S]
	AK	VP/ASo/SP/AK	TMP	VP / SC	VP/ASo/SP/AK
9.30 - 10.15	QSE I [S]	DESIGN VII [L]	R I A I [S]	ABTS-I [L]	DESIGN VII [S]
	AK	VP/ASo/SP/AK	TMP	VP / SC	VP/ASo/SP/AK
10.15 - 11.00	INST. PHIL.	DESIGN VII [S]	ELECTIVE -3	ABTS-I [S]	DESIGN VII [S]
	AK	VP/ASo/SP/AK	VP/AK	VP / SC	VP/ASo/SP/AK
11.30 - 12.15	P P I [L]	DESIGN VII [S]	ELECTIVE -3	ABTS-I [S]	S W I [L]
	SC	VP/ASo/SP/AK	GA/MB	VP / SC	SC
12.15 - 1.00	P P I [S]	DESIGN VII [S]	USI [L]	ABTS-I [S]	S W I [S]
	SC	VP/ASo/SP/AK	PS/AS	VP / SC	SC
1.00 - 1.45	P P I [S]	DESIGN VII [S]	USI [S]	ABTS-I [S]	S W I [S]
	SC	VP/ASo/SP/AK	PS/AS	VP / SC	SC
1.45 - 2.30	INST. PHIL.	DESIGN VII [S]	USI [S]	INST. PHIL.	INST. PHIL.
	AK	VP/ASo/SP/AK	PS/AS	AK	AK
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy. CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, VP- Vijay Pawar, UH - Umesh Hirawe, AK - Ashish Khemnar, MH- Umesh Hirawe, HT - Hemant Thakre, PS- Purva Shah, SC - Sheetal Chougule, NK- Niketa Kothavle. VISITING FACULTY: Aso - Ashwin Sonawane, SP- Satish Pawar, AS- Amruta Sawant, TMP- Tejasvini Marode Patil,					
 IQAC Coordinator		 College Stamp		 Principal	

M.V.P.S.'s College of Architecture, Nashik

Academic Year 2020-21		Teaching Load										Semester I
SR. NO.	Faculty Name	Monday		Tuesday		Wednesday		Thursday		Friday		Total Hrs.
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	
1	Prajakta Baste	3	-	-	-	3	-	-	-	-	-	6
2	Arpita Bhatt	-	3	4	4	-	3	-	-	3	-	17
3	Suruchi Ranadive	4	3	2	3	1	1	-	3	2	-	19
4	Umesh Hirawe	3	-	2	3	-	-	4	3	3	-	18
5	Abhishek Nasikakar	3	3	4	4	1	4	-	1	4	1	25
6	Ketaki Manolkar	3	2	1	3	4	-	2	3	3	3	24
7	Sharmishtha Surajiwale	-	-	3	3	3	4	3	3	3	-	22
8	Nandan Malani	3	3	4	4	-	1	1	1	4	4	25
9	Niketa Kothavle	3	-	3	3	-	-	4	3	2	3	21
10	Manisha Rajole	-	-	4	4	4	1	3	2	3	-	21
11	Tejas Pawar	-	-	4	4	3	1	2	3	3	4	24
12	Sankalp Bagul	3	1	1	-	-	-	3	3	-	-	11
13	Radhika Bhattad	-	-	-	-	1	4	2	3	-	3	13
14	Anil Thomare	-	-	2	-	2	2	3	3	-	-	12
15	Vijay Pawar	-	-	4	4	1	4	4	3	4	-	24
16	Ashish Khemnar	4	1	4	4	1	4	2	4	4	1	29
17	Geetanjali Patil	-	-	4	4	1	3	3	2	3	-	20
18	Megha Butte	-	3	4	4	4	1	3	2	3	-	24
19	Hemant Thakare	3	-	4	4	4	4	-	-	3	3	25
20	Purva Shah	4	3	2	3	-	3	-	1	3	3	22
21	Ankita Pathare	-	-	1	3	-	4	-	-	3	3	14
22	Kiran Kadam	3	2	2	3	1	3	2	3	3	-	22
23	Gaurav Arbooj	4	4	2	3	-	-	3	1	2	4	23
24	Sheetal Chougule	3	3	2	3	-	-	4	3	3	3	24
25	Suhas Datrang	3	-	1	-	-	3	-	-	-	-	7
 IQAC Coordinator				 College Stamp				 Principal				

...VPS's College of Architecture, Nashik

FIRST YEAR B. ARCH. (2020-21)

SEM II Div A

Co-ordinator: Ar. Ketaki Manolkar

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 9.00	AUDIT COURSE (L)	TOS II(L)	HOAC II (L)	AUDIT COURSE (L)	AD I (S)
TEACHER	SB	AT	NM/ VB	SB	KM/ RD /SKG
9.00 - 10.00	BCM II(L)	TOS II(L)	HOAC II (L)	AGD II(S)	AD I (S)
TEACHER	AN/ KM/ NM/SG	AT	NM/ VB	KM / TP / RB / SB	KM/ RD /SKG
10.00 - 11.00	BCM II(S)	AD I (L)	HOAC II (L)	AGD II(S)	AD I (S)
TEACHER	AN/ KM/ NM/SG	KM/ RD /SKG	NM/ VB	KM / TP / RB / SB	KM/ RD /SKG
11.00 - 11.30	B R E A K				
11.30. - 12.30	BCM II(S)	AD I (S)	WORKSHOPII	AGD II(S)	FOA(L)
TEACHER	AN/ KM/ NM/SG	KM/ RD /SKG	SD/RA/ST	KM / TP / RB / SB	RB /SKG
12.30 - 1.30	BCM II(S)	AD I (S)	WORKSHOPII	AGD II(S)	FOA(L)
TEACHER	AN/ KM/ NM/SG	KM/ RD /SKG	SD/RA/ST	KM / TP / RB / SB	RB /SKG
1.30 - 2.30	BCM II(L)	AD I (S)	WORKSHOPII	AGD II(S)	FOA(S)
TEACHER	AN/ KM/ NM/SG	KM/ RD /SKG	SD/RA/ST	KM / TP / RB / SB	RB /SKG

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, UH- Umesh Hirawe, AN- Abhishek Nasikakar, KM- Ketaki Manolkar, NM - Nandan Malani, RB - Radhika Bhattad, AT - Anil Thomare, VB - Vinit Bobade, SD - Suhas Datrange, **Workshop Assistants** RA-Rahul Aher,ST-Suresh Tajane

VISITING FACULTY: RD - Rounak Dodecha, SKG- Shruti Kamath, SG - Sayali Gogate

IQAC Coordinator

College Stamp

Principal

MVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2020-21)
 Co-ordinator: Ar. Kiran Kadam

SEM II Div B

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 9.00	AUDIT COURSE (L)	TOS II (L)	WORKSHOP II (S)	AUDIT COURSE (L)	AD I (S)
TEACHER	LG	ABH	LG/RA/ST	LG	AN/SC/RP/PP
9.00 - 10.00	BCM II(L)	TOS II (L)	WORKSHOP II (S)	AGD II (S)	AD I (S)
TEACHER	KK / YK/TM/MDR	ABH	LG/RA/ST	AK/SW/SG	AN/SC/RP/PP
10.00 - 11.00	BCM II(S)	AD I (L)	WORKSHOP II (S)	AGD II (S)	AD I (S)
TEACHER	KK / YK/TM/MDR	AN/SC/ RP/PP	LG/RA/ST	AK/SW/SG	AN/SC/RP/PP
11.00 - 11.30	B R E A K				
11.30 - 12.30	BCM II(S)	AD I (S)	HOAC II (L)	AGD II (S)	FOA (L)
TEACHER	KK / YK/TM/MDR	AN/SC/ RP/PP	MB/TM	AK/SW/SG	PS/AS
12.30 - 1.30	BCM II(S)	AD I (S)	HOAC II (L)	AGD II (S)	FOA (L)
TEACHER	KK / YK/TM/MDR	AN/SC/ RP/PP	MB/TM	AK/SW/SG	PS/AS
1.30 - 2.30	BCM II(L)	AD I (S)	HOAC II (L)	AGD II (L)	FOA (S)
TEACHER	KK / YK/TM/MDR	AN/SC/ RP/PP	MB/TM	AK/SW/SG	PS/AS

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

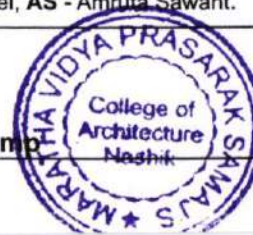
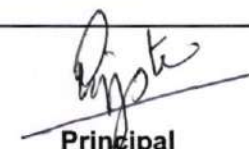
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, AK- Ashish Khemnar, MB- Megha Butte, PS- Purva Shah, AN- Ankita Nikam, KK - Kiran Kadam, SC- Sheetal Chougule, SW - Sachin Waje, ABH-Ashwini Bhusare, LG- Levant Gavande, TM - Tejaswini Marode, **Workshop Assistants** RA-Rahul Aher, ST-Suresh Tajane.

VISITING FACULTY: YK - Yogita Kulkarni, PP - Pooja Palod, MDR - Madhulika Rath, RP - Rajesh Patel, AS - Amruta Sawant.



IQAC Coordinator

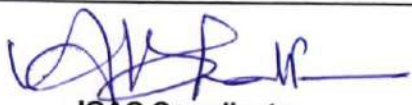

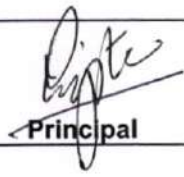
College Stamp

Principal

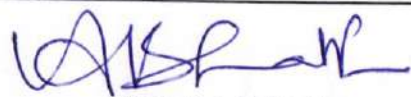

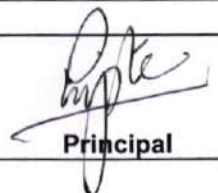
MVPS's College of Architecture, Nashik.
SECOND YEAR B. ARCH. (2020-21)
 Co-ordinator: Ar. Sharmishtha Surajiwale

SEM II Div A

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 9.00	SS & A [L]	SS & A [S]	BS II [L]	B C & M IV [L]	A D III [S]
TEACHER	AT	AT	SS / TP	SS /MR	SR/NK/SS/VB
9.00 - 10.00	SS & A [S]	A D III [L]	BS II [L]	B C & M IV [L]	A D III [S]
TEACHER	AT	SR/NK/SS/VB	SS / TP	SS /MR	SR/NK/SS/VB
10.00 - 11.00	SS & A [S]	A D III [S]	BS II [S]	B C & M IV [S]	Institute Philosophy
TEACHER	AT	SR/NK/SS/VB	SS / TP	SS /MR	SS
11.00 - 11.30					
11.30. - 12.30	HOAC [L]	A D III [S]	BS II [S]	B C & M IV [S]	ES [L]
TEACHER	TP	SR/NK/SS/VB	SS / TP	SS /MR	KM
12.30 - 1.30	HOAC [S]	A D III [S]	TOS IV [L]	B C & M IV [S]	ES [S]
TEACHER	TP	SR/NK/SS/VB	AT	SS /MR	KM
1.30 - 2.30	HOAC [S]	A D III [S]	TOS IV [L]	Institute Philosophy	ES [S]
TEACHER	TP	SR/NK/SS/VB	AT	SS	KM
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy. CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, SR-Suruchi Ranadive, UH- Umesh Hirawe, SS- Sharmishtha Surajiwale, KM- Ketaki Manolkar, MR- Manisha Rajole, NK - Niketa Kothavale, AT - Anil Thomare, VB - Vinit Bobade. VISITING FACULTY:					
 IQAC Coordinator		 College Stamp		 Principal	

MVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2020-21)
 Co-ordinator: Ar.Purva Shah

SEM II Div B

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 9.00	SS & A [L]	SS & A [S]	BS I [L]	B C & M IV [L]	A D II [S]
TEACHER	ABH	ABH	GP /KK	GP / MB	PS/KK/GA/KP
9.00 - 10.00	SS & A [S]	A D III [L]	BS I [L]	B C & M IV [L]	A D II [S]
TEACHER	ABH	PS/KK/GA/KP	GP /KK	GP / MB	PS/KK/GA/KP
10.00 - 11.00	SS & A [S]	A D II [S]	BS I [S]	B C & M IV [S]	Institute Philosophy
TEACHER	ABH	PS/KK/GA/KP	GP /KK	GP / MB	PS
11.00 - 11.30					
11.30. - 12.30	HOAC [L]	A D II [S]	BS I [S]	B C & M IV [S]	E S [L]
TEACHER	MB	PS/KK/GA/KP	GP /KK	GP / MB	HT / AN
12.30 - 1.30	HOAC [S]	A D II [S]	TOS III [L]	B C & M IV [S]	E S [S]
TEACHER	MB	PS/KK/GA/KP	A BH	GP / MB	HT / AN
1.30 - 2.30	HOAC [S]	A D II [S]	TOS III [L]	Institute Philosophy	E S [S]
TEACHER	MB	PS/KK/GA/KP	A BH	PS	HT / AN
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy. CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, GP- Geetanjali Patil, MB - Megha Butte, PS- Purva Shah, AP- Ankita Pathare, HT- Hemant Thakre, GA - Gaurav Arbooj, KK- Kiran Kadam, SC - Sheetal Chougule, ABH- Ashwini Bhusare. VISITING FACULTY: KP - Ketaki Pathak					
 IQAC Coordinator		 College Stamp		 Principal	

MVPS's College of Architecture, Nashik

THIRD YEAR B. ARCH. (2020-21)

SEM II Div A

Co-ordinator: Ar. Nandan Malani

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	B T M VI [L]	DESIGN VI (L)	B S IV [L]	TOS V [L]	DESIGN VI (S)
TEACHER	SR /RB /S SON	AB /NM/ TP /MR /PA	KM/VB/CN	AT	AB /NM/ TP /MR /PA
8.45 - 9.30	B T M VI [L]	DESIGN VI (L)	B S IV [L]	TOS V [S]	DESIGN VI (S)
TEACHER	SR /RB /S SON	AB /NM/ TP /MR /PA	KM/VB/CN	AT	AB /NM/ TP /MR /PA
9.30 - 10.15	B T M VI [S]	DESIGN VI (L)	B S IV [S]	TOS V [S]	DESIGN VI (S)
TEACHER	SR /RB /S SON	AB /NM/ TP /MR /PA	KM/VB/CN	AT	AB /NM/ TP /MR /PA
10.15 - 11.00	B T M VI [S]	DESIGN VI (S)	B S IV [S]	Institute Philosophy	Institute Philosophy
TEACHER	SR /RB /S SON	AB /NM/ TP /MR /PA	KM/VB/CN	NM	NM
11.00 - 11.30					
11.30. - 12.15	B T M VI [S]	DESIGN VI (S)	Elective I - ID (L)	CAS [L]	LA [L]
TEACHER	SR /RB /S SON	AB /NM/ TP /MR /PA	AN /SS	SR	NM /TP
12.15 - 1.00	B T M VI [S]	DESIGN VI (S)	Elective I - ID (S)	CAS [S]	LA [S]
TEACHER	SR /RB /S SON	AB /NM/ TP /MR /PA	AN /SS	SR	NM /TP
1.00 - 1.45	B T M VI [S]	DESIGN VI (S)	Elective I - ID (S)	CAS [S]	LA [S]
TEACHER	SR /RB /S SON	AB /NM/ TP /MR /PA	AN /SS	SR	NM /TP
1.45 - 2.30	Institute Philosophy	DESIGN VI (S)	Elective I - ID (S)*	CAS [S]	LA [S]
TEACHER	NM	AB /NM/ TP /MR /PA	AN /SS	SR	NM /TP

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

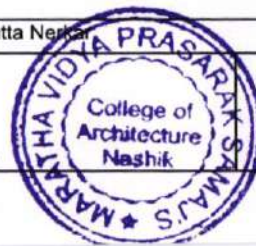
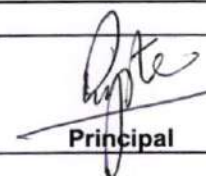
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, SR-Suruchi Ranadive, AN- Abhishek Nasikakar, KM- Ketaki Manolkar, SS - Sharmishtha Surajiwale, NM - Nandan Malani, NK - Niketa Kothavale, TP - Tejas Pawar, RB- Radhika Bhattad.

VISITING FACULTY: YK - Yogita Kulkarni, PA- Parag Adanwale, S SON - Sagar Sonawane, CN - Charudatta Nerkar



IQAC Coordinator

College Stamp

Principal

MVPS's College of Architecture, Nashik

THIRD YEAR B. ARCH. (2020-21)

SEM II Div B

Co-ordinator: Ar.Gaurav Arbooj

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	B T M VI [L]	DESIGN VI (L)	Elective I - ID (L)	CAS [L]	DESIGN VI (S)
TEACHER	PS /GA/SW	GP/MB/HT/TM/MS	VP/AK/AN	GA	GP/MB/HT/TM/MS
8.45 - 9.30	B T M VI [L]	DESIGN VI (L)	Elective I - ID (S)	CAS [S]	DESIGN VI (S)
TEACHER	PS /GA/SW	GP/MB/HT/TM/MS	VP/AK/AN	GA	GP/MB/HT/TM/MS
9.30 - 10.15	B T M VI [L]	DESIGN VI (L)	Elective I - ID (S)	CAS [S]	DESIGN VI (S)
TEACHER	PS /GA/SW	GP/MB/HT/TM/MS	VP/AK/AN	GA	GP/MB/HT/TM/MS
10.15 - 11.00	B T M VI [S]	DESIGN VI (S)	Elective I - ID (S)*	CAS [S]	DESIGN VI (S)*
TEACHER	PS /GA/SW	GP/MB/HT/TM/MS	VP/AK/AN	GA	GP/MB/HT/TM/MS
11.00 - 11.30					
11.30. - 12.15	B T M VI [S]	DESIGN VI (S)	B S IV [L]	Institute Philosophy	L A [S]
TEACHER	PS /GA/SW	GP/MB/HT/TM/MS	MB / HT	GA	GA / KP
12.15 - 1.00	B T M VI [S]	DESIGN VI (S)	B S IV [L]	T OS V [L]	L A [S]
TEACHER	PS /GA/SW	GP/MB/HT/TM/MS	MB / HT	AT	GA / KP
1.00 - 1.45	B T M VI [S]	DESIGN VI (S)	B S IV [S]	T OS V [S]	L A [S]
TEACHER	PS /GA/SW	GP/MB/HT/TM/MS	MB / HT	AT	GA / KP
1.45 - 2.30	Institute Philosophy	DESIGN VI (S)	B S IV [S]	T OS V [S]	L A [S]
TEACHER	GA	GP/MB/HT/TM/MS	MB / HT	AT	GA / KP

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, VP- Vijay Pawar, AK-Ashish Khemnir, GP-Geetanjali Patil, MB- Megha Butte, PS- Purva Shah, HT- Hemant Thakre, AN- Ankita Nikam, GA- Gaurav Arbooj, SW- Sachin Waje, AT- Anil Thomare, TM- Tejaswini Marode.

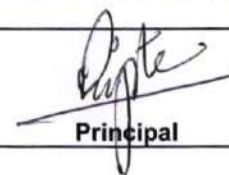
VISITING FACULTY: MS - Mahesh Shirke, KP - Ketaki Pathak,



IQAC Coordinator





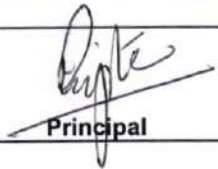
College Stamp



Principal


MVPS's College of Architecture, Nashik
FOURTH YEAR B. ARCH. (2020-21)
 Co-ordinator: Ar. Abhishek Nasikakar

SEM II Div A

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	R I A II [L]	DESIGN VIII [L]	QSE II [L]	ABTS-I [L]	DESIGN VIII [S]
TEACHER	PB / VB	AN/ NN/ AC/SM	MR	UH/ NK	AN/ NN/ AC/SM
8.45 - 9.30	R I A II [S]	DESIGN VIII [L]	QSE II [S]	ABTS-I [L]	DESIGN VIII [S]
TEACHER	PB / VB	AN/ NN/ AC/SM	MR	UH/ NK	AN/ NN/ AC/SM
9.30 - 10.15	R I A II [S]	DESIGN VIII [L]	QSE II [S]	ABTS-I [L]	DESIGN VIII [S]
TEACHER	PB / VB	AN/ NN/ AC/SM	MR	UH/ NK	AN/ NN/ AC/SM
10.15 - 11.00	INST. PHIL.	DESIGN VIII [S]	ELECTIVE -III (L)	ABTS-I [S]	DESIGN VIII [S]
TEACHER	AN	AN/ NN/ AC/SM	TEAM	UH/ NK	AN/ NN/ AC/SM
11.30 - 12.15	P P II [L]	DESIGN VIII [S]	ELECTIVE - III (S)	ABTS-I [S]	S W II [L]
TEACHER	AB	AN/ NN/ AC/SM	TEAM	UH/ NK	NK
12.15 - 1.00	P P II [S]	DESIGN VIII [S]	USI [L]	ABTS-I [S]	S W II [S]
TEACHER	AB	AN/ NN/ AC/SM	AB /RB /S SON	UH/ NK	NK
1.00 -1.45	P P II [S]	DESIGN VIII [S]	USI [S]	ABTS-I [S]	S W II [S]
TEACHER	AB	AN/ NN/ AC/SM	AB /RB /S SON	UH/ NK	NK
1.45 -2.30	INST. PHIL.	DESIGN VIII [S]	USI [S]	ABTS-I [S]*	S W II [S]*
TEACHER	AN	AN/ NN/ AC/SM	AB /RB /S SON	UH/ NK	NK
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy. CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, SR- Suruchi Ranadive, UH- Umesh Hirave, AN- Abhishek Nasikakar, KJ- Ketaki Joshi, MR- Manisha Rajole, NK- Niketa Kothavle, RB- Radhika Bhattad, AT - Anil Thomare, VB - Vinit Bobade, VISITING FACULTY: NN - Nitin Nikam, AC - Amol Choudhari, SM- Sanjay Mistri, S SON - Sagar Sonawane					
 IQAC Coordinator		 College Stamp		 Principal	



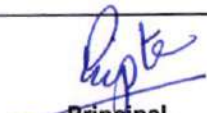
MVPS's College of Architecture, Nashik
FOURTH YEAR B. ARCH. (2020-21)
 Co-ordinator: Ar.Ashish Khemnar

SEM II Div B

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	QSE II [L]	DESIGN VIII [L]	R I A I [L]	ABTS-I [L]	DESIGN VIII [S]
TEACHER	AK	VP/ASo/SP/AK	TMP/ HT	VP / SC	VP/ASo/SP/AK
8.45 - 9.30	QSE II [S]	DESIGN VIII [L]	R I A I [S]	ABTS-I [L]	DESIGN VIII [S]
TEACHER	AK	VP/ASo/SP/AK	TM/ HT	VP / SC	VP/ASo/SP/AK
9.30 - 10.15	QSE II [S]	DESIGN VIII [L]	R I A I [S]	ABTS-I [L]	DESIGN VIII [S]
TEACHER	AK	VP/ASo/SP/AK	TM/ HT	VP / SC	VP/ASo/SP/AK
10.15 - 11.00	INST. PHIL.	DESIGN VIII [S]	ELECTIVE -3	ABTS-I [S]	DESIGN VIII [S]
TEACHER	AK	VP/ASo/SP/AK	TEAM	VP / SC	VP/ASo/SP/AK
11.30 - 12.15	P P II [L]	DESIGN VIII [S]	ELECTIVE -3	ABTS-I [S]	S W II [L]
TEACHER	SC	VP/ASo/SP/AK	TEAM	VP / SC	SW
12.15 - 1.00	P P II [S]	DESIGN VIII [S]	USI [L]	ABTS-I [S]	S W II [S]
TEACHER	SC	VP/ASo/SP/AK	PS/AS	VP / SC	SW
1.00 -1.45	P P II [S]	DESIGN VIII [S]	USI [S]	ABTS-I [S]	S W II [S]
TEACHER	SC	VP/ASo/SP/AK	PS/AS	VP / SC	SW
1.45 -2.30	INST. PHIL.	DESIGN VIII [S]	USI [S]	INST. PHIL.	INST. PHIL.
TEACHER	AK	VP/ASo/SP/AK	PS/AS	AK	AK
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.					
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, VP- Vijay Pawar, UH - Umesh Hirawe, AK - Ashish Khemnar, UH- Umesh Hirawe, HT - Hemant Thakre, PS- Purva Shah, SC - Sheetal Chougule, NK- Niketa Kothavle, AN- Ankita Nikam, SW- Sachin Waje, ABH - Ashwini Bhusare, TM - Tejaswini Marde					
VISITING FACULTY: Aso - Ashwin Sonawane, SP- Satish Pawar, AS- Amruta Sawant.					
 IQAC Coordinator		 College Stamp		 Principal	

MVPS's College of Architecture, Nashik
FIFTH YEAR B. ARCH. (2020-21)
 Co-ordinator: Ar. Umesh Hirawe.

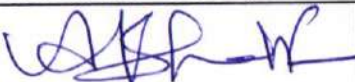


SEM II Div A




	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.00 - 8.45	Elective IV (L)	-	Arch. Design Project (L)	-	Arch. Design Project Progressive Work (S)	Arch. Design Project (S)
TEACHER	MR		UH / AR / DB / RD		UH / AR / DB / RD	UH / AR / DB / RD
8.45 - 9.30	Elective IV (S)	-	Arch. Design Project (L)	-	Arch. Design Project Progressive Work (S)	Arch. Design Project (S)
TEACHER	MR		UH / AR / DB / RD		UH / AR / DB / RD	UH / AR / DB / RD
9.30 - 10.15	Elective IV (S)	-	Arch. Design Project (L)	-	Arch. Design Project Progressive Work (S)	Arch. Design Project (S)
TEACHER	MR		UH / AR / DB / RD		UH / AR / DB / RD	UH / AR / DB / RD
10.15 - 11.00	-	-	Arch. Design Project (L)	-	Arch. Design Project Progressive Work (S)	Arch. Design Project (S)
TEACHER			UH / AR / DB / RD		UH / AR / DB / RD	UH / AR / DB / RD
11.30 - 12.15	-	-	Arch. Design Project (S)	-	-	Arch. Design Project (S)
TEACHER			UH / AR / DB / RD			UH / AR / DB / RD
12.15 - 1.00	-	-	Arch. Design Project (S)	-	-	Arch. Design Project (S)
TEACHER			UH / AR / DB / RD			UH / AR / DB / RD
1.00 - 1.45	-	-	Arch. Design Project (S)	-	-	Arch. Design Project (S)
TEACHER			UH / AR / DB / RD			UH / AR / DB / RD
1.45 - 2.30	-	-	Arch. Design Project (S)	-	-	Arch. Design Project (S)
TEACHER			UH / AR / DB / RD			UH / AR / DB / RD
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.						
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, UH- Umesh Hirawe.						
VISITING FACULTY: AR - Ashish Ranadive, DB - Deep Bhagwat, RD - Rohan Deore.						
 IQAC Coordinator		 College Stamp			 Principal	

MVPS's College of Architecture, Nashik
FIFTH YEAR B. ARCH. (2020-21)

SEM II Div B

Co-ordinator: Dr. Prajakta Baste

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.00 - 8.45	-	Elective IV (L)	Arch. Design Project (L)	Arch. Design Project Progressive Work (S)	-	Arch. Design Project (S)
TEACHER		SW	PB / PP / NP / MP	PB / PP / NP / MP		PB / PP / NP / MP
8.45 - 9.30	-	Elective IV (S)	Arch. Design Project (L)	Arch. Design Project Progressive Work (S)	-	Arch. Design Project (S)
TEACHER		SW	PB / PP / NP / MP	PB / PP / NP / MP		PB / PP / NP / MP
9.30 - 10.15	-	Elective IV (S)	Arch. Design Project (L)	Arch. Design Project Progressive Work (S)	-	Arch. Design Project (S)
TEACHER		SW	PB / PP / NP / MP	PB / PP / NP / MP		PB / PP / NP / MP
10.15 - 11.00	-	-	Arch. Design Project (L)	Arch. Design Project Progressive Work (S)	-	Arch. Design Project (S)
TEACHER			PB / PP / NP / MP	PB / PP / NP / MP		PB / PP / NP / MP
11.30 - 12.15	-	-	Arch. Design Project (S)	-	-	Arch. Design Project (S)
TEACHER			PB / PP / NP / MP			PB / PP / NP / MP
12.15 - 1.00	-	-	Arch. Design Project (S)	-	-	Arch. Design Project (S)
TEACHER			PB / PP / NP / MP			PB / PP / NP / MP
1.00 -1.45	-	-	Arch. Design Project (S)	-	-	Arch. Design Project (S)
TEACHER			PB / PP / NP / MP			PB / PP / NP / MP
1.45 -2.30	-	-	Arch. Design Project (S)	-	-	Arch. Design Project (S)
TEACHER			PB / PP / NP / MP			PB / PP / NP / MP
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.						
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt						
VISITING FACULTY: PP - Pravin Pagar, NP - Nitin Patel, MP- Mukul Patil,						
 IQAC Coordinator	 College Stamp			 Principal		

M.V.P.S.'s College of Architecture, Nashik														
Academic Year 2020-21		Faculty Load Calculations										Semester II		
SR. NO.	Faculty	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Total
	Name	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Hrs.
1	Prajakta Baste	3	-	-	-	-	-	-	-	-	-	4	4	11
2	Arpita Bhatt	-	3	4	4	-	3	-	-	3	-	-	-	17
3	Suruchi Ranadive	4	3	2	3	-	-	-	4	2	-	-	-	18
4	Umesh Hirawe	-	-	-	-	4	4	4	3	4	-	4	4	27
5	Abhishek Nasikakar	3	3	4	4	-	3	-	-	4	-	-	-	21
6	Ketaki Manolkar	3	3	1	3	4	-	3	3	3	3	-	-	26
7	Sharmishtha Surajiwale	-	-	3	3	3	3	3	3	3	-	-	-	21
8	Nandan Malani	2	3	4	4	3	-	1	-	4	4	-	-	25
9	Niketa Kothavle	-	-	2	3	-	-	4	3	2	3	-	-	17
10	Manisha Rajole	-	-	4	4	3	-	3	2	3	-	-	-	19
11	Tejas Pawar	-	3	4	4	3	1	2	3	3	4	-	-	27
12	Sankalp Bagul	1	-	-	-	-	-	3	3	-	-	-	-	7
13	Radhika Bhattad	4	3	-	-	-	3	2	3	-	3	-	-	18
14	Vinit Bobade	3	-	2	3	3	-	-	-	2	-	-	-	13
15	Anil Thomare	3	-	2	-	-	2	3	3	-	-	-	-	13
16	Suhas Datrange	-	-	-	-	-	3	-	-	-	-	-	-	3
17	Vijay Pawar	-	-	4	4	3	-	4	3	4	-	-	-	22
18	Ashish Khemnar	4	1	4	4	3	-	2	3	4	1	-	-	26
19	Geetanjali Patil	-	-	4	4	3	1	3	2	3	-	-	-	20
20	Megha Butte	-	3	4	4	-	4	3	2	3	-	-	-	23
21	Hemant Thakare	-	-	4	4	3	4	-	-	3	3	-	-	21
22	Purva Shah	4	3	2	3	-	3	-	1	3	3	-	-	22
23	Ankita Nikam	-	-	1	3	3	-	-	-	3	3	-	-	13
24	Kiran Kadam	2	3	2	3	3	1	-	-	2	-	-	-	16
25	Gaurav Arbooj	4	4	2	3	-	-	4	1	2	4	-	-	24
26	Sheetal Chougule	-	3	1	3	-	-	4	3	3	-	-	-	17
27	Sachin Waje	4	3	-	-	-	-	2	3	-	3	-	-	15
28	Ashwini Bhusare	3	-	2	-	-	2	-	-	-	-	-	-	7
29	Levant Gavande	1	-	-	-	3	-	-	-	-	-	-	-	5
30	Tejaswini Marode	2	3	4	4	3	-	-	-	3	-	-	-	19
 IQAC Coordinator				 College Stamp						 Principal				



M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

D) Institute Time Table and Teachers Teaching Loads

2. AY- 2019-2020

- Time Table -Sem-I & SEM-II
- Teachers Teaching Load



MVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2019-20)
 Co-ordinator: Ar. Ketaki Joshi

SEM I Div A

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 9.00	BCM I (L)	TOS I (L)	HISTORY (L)	FHD (S)	BD (S)
TEACHER	AN / KJ / NM	SS	AP	SB	UH / KJ / AP / RP
9.00 - 10.00	BCM I (L)	TOS I (L)	HISTORY (S)	AGD I (L)	BD (S)
TEACHER	AN / KJ / NM	SS	AP	KJ / AP / SB	UH / KJ / AP / RP
10.00 - 11.00	BCM I (S)	BD (L)	HISTORY (S)	AGD I (S)	BD (S)
TEACHER	AN / KJ / NM	UH / KJ / AP / RP	AP	KJ / AP / SB	UH / KJ / AP / RP
11.00 - 11.30	B R E A K				
11.30 - 12.30	BCM I (S)	BD (S)	WORKSHOP (L)	AGD I (S)	COM. SKILL (L)
TEACHER	AN / KJ / NM	UH / KJ / AP / RP	SD	KJ / AP / SB	AP
12.30 - 1.30	BCM I (S)	BD (S)	WORKSHOP (S)	AGD I (S)	COM. SKILL (L)
TEACHER	AN / KJ / NM	UH / KJ / AP / RP	SD	KJ / AP / SB	AP
1.30 - 2.30	BCM I (S) *	BD (S)	WORKSHOP (S)	AGD I (S)	COM. SKILL (S)
TEACHER	AN / KJ / NM	UH / KJ / AP / RP	SD	KJ / AP / SB	AP

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, UH- Umesh Hirawe, AN- Abhishek Nasikakar, KJ- Ketaki Joshi, NM - Nandan Malani, SS- Sharmishtha Surajiwale, PS- Purva Shah, AP- Ankita Pathare, GA- Gaurav Arbooj, SB- Sankalp Bagul, SD- Suhas Datrange, TP - Tejas Pawar

VISITING FACULTY : RP - Rajesh Patel.

 IQAC Coordinator	 College Stamp	 Principal
--	---	---

Institute Philosophy lectures are given in Teaching Load additionally in subject of BCM-I and as TND in the subject of AGD-I

MVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2019-20)

SEM I Div B

Co-ordinator: Ar. Kiran Kadam

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 9.00	BCM I (L)	TOS I (L)	HISTORY (L)	FHD (S)	BD (S)
TEACHER	KK / TP / YK	AT	PB	SB	VP / SC / RD
9.00 - 10.00	BCM I (L)	TOS I (L)	HISTORY (S)	AGD I (L)	BD (S)
TEACHER	KK / TP / YK	AT	PB	AK / KK	VP / SC / RD
10.00 - 11.00	BCM I (L)	BD (L)	HISTORY (S)	AGD I (S)	BD (S)
TEACHER	KK / TP / YK	VP / SC / RD	PB	AK / KK	VP / SC / RD
11.00 - 11.30	B R E A K				
11.30 - 12.30	BCM I (S)	BD (S)	WORKSHOP (L)	AGD I (S)	COM. SKILL (L)
TEACHER	KK / TP / YK	VP / SC / RD	SD	AK / KK	PS
12.30 - 1.30	BCM I (S)	BD (S)	WORKSHOP (S)	AGD I (S)	COM. SKILL (L)
TEACHER	KK / TP / YK	VP / SC / RD	SD	AK / KK	PS
1.30 - 2.30	BCM I (S)*	BD (S)	WORKSHOP (S)	AGD I (S)	COM. SKILL (S)
TEACHER	KK / TP / YK	VP / SC / RD	SD	AK / KK	PS

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, VP- Vijay Pawar, AK- Ashish Khemnagar, PS- Purva Shah, AN- Ankita Pathare, KK- Kiran Kadam, NM- Nandan Malani, AT- Anil Thombare, SC- Sheetal Chougule, TP- Tejas Pawar, SB- Sankalp Bagul, SD- Suhas Datranga.

VISITING FACULTY : YK - Yogita Kulkarni, RD - Ronak Dodecha,

 IQAC Coordinator	 College Stamp	 Principal
--	---	---

Institute Philosophy lectures are given in Teaching Load additionally in subject of BCM-I and as FHD in the subject of AGD-I

MVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2019-20)
 Co-ordinator: Ar. Sharmishtha Surajiwale

SEM I Div A

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	TOS III (L)	DESIGN III (L)	BS I (L)	BTM III (L)	DESIGN III (S)
TEACHER	AT	SR / NK / YN	SS	SS / MR	SR / NK / YN
8.45 - 9.30	TOS III (S)	DESIGN III (L)	BS I (L)	BTM III (L)	DESIGN III (S)
TEACHER	AT	SR / NK / YN	SS	SS / MR	SR / NK / YN
9.30 - 10.15	TOS III (S)	DESIGN III (L)	BS I (S)	BTM III (L)	DESIGN III (S)
TEACHER	AT	SR / NK / YN	SS	SS / MR	SR / NK / YN
10.15 - 11.00	ADG III (L)	DESIGN III (S)	BS I (S)	BTM III (S)	DESIGN III (S)*
TEACHER	UH / NK / SS	SR / NK / YN	SS	SS / MR	SR / NK / YN
11.00 - 11.30	B R E A K				
11.30 - 12.15	ADG III (L)	DESIGN III (S)	HIST II (L)	BTM III (S)	SL (L)
TEACHER	UH / NK / SS	SR / NK / YN	NM	SS / MR	AT
12.15 - 1.00	ADG III (S)	DESIGN III (S)	HIST II (L)	BTM III (S)	SL (S)
TEACHER	UH / NK / SS	SR / NK / YN	NM	SS / MR	AT
1.00 - 1.45	ADG III (S)	DESIGN III (S)	HIST II (S)	BTM III (S)	SL (S)
TEACHER	UH / NK / SS	SR / NK / YN	NM	SS / MR	AT
1.45 - 2.30	ADG III (S)	DESIGN III (S)	HIST II (S)*	BTM III (S)*	SL (S) *
TEACHER	UH / NK / SS	SR / NK / YN	NM	SS / MR	AT

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, SR- Suruchi Ramadive, UH- Umesh Hirawe, HT- Hemant Thankre, SS- Sharmishtha Surajiwale, NM - Nandan Malani, GA- Gaurav Arbooj, NK- Niketa Kothavle, MR- Manisha Rajole, AT- Anil Thombare,

VISITING FACULTY : YN - Yusuf Nasikwala

 IQAC Coordinator	 College Stamp	 Principal
--	---	---

Institute Philosophy lectures are given in Teaching Load additionally in subject of Design-III, BTM-III, History II and SL.

MVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2019-20)

SEM I Div B

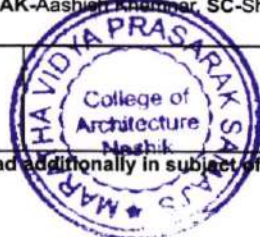
Co-ordinator: Ar. Purva Shah

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	ADG III (L)	DESIGN III (L)	BS I (L)	BTM- III (L)	DESIGN III (S)
TEACHER	AK / SC	PS / HT / KK / GA	GP	GP / MB	PS / HT / KK / GA
8.45 - 9.30	ADG III (L)	DESIGN III (L)	BS I (L)	BTM- III (L)	DESIGN III (S)
TEACHER	AK / SC	PS / HT / KK / GA	GP	GP / MB	PS / HT / KK / GA
9.30 - 10.15	ADG III (S)	DESIGN III (L)	BS I (S)	BTM- III (L)	DESIGN III (S)
TEACHER	AK / SC	PS / HT / KK / GA	GP	GP / MB	PS / HT / KK / GA
10.15 - 11.00	ADG III (S)	DESIGN III (S)	BS I (S)	BTM- III (S)	DESIGN III (S)*
TEACHER	AK / SC	PS / HT / KK / GA	GP	GP / MB	PS / HT / KK / GA
11.00 - 11.30	B R E A K				
11.30 - 12.15	ADG III (S)	DESIGN III (S)	HIST II (L)	BTM- III (S)	SL (L)
TEACHER	AK / SC	PS / HT / KK / GA	MB	GP / MB	HT
12.15 - 1.00	TOS III (L)	DESIGN III (S)	HIST II (L)	BTM- III (S)	SL (S)
TEACHER	AT	PS / HT / KK / GA	MB	GP / MB	HT
1.00 - 1.45	TOS III (S)	DESIGN III (S)	HIST II (S)	BTM- III (S)	SL (S)
TEACHER	AT	PS / HT / KK / GA	MB	GP / MB	HT
1.45 - 2.30	TOS III (S)	DESIGN III (S)	HIST II (S)*	BTM- III (S)*	SL (S) *
TEACHER	AT	PS / HT / KK / GA	MB	GP / MB	HT

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, AK-Aashish Kulkarni, SC-Sheetal Chougule, MB- Megha Butte, GP - Geetanjali Patil, PS- Purva Shah, KK- Kiran Kadam, GA- Gaurav Arbooj, HT- Hemant Thakre, AT- Anil Thombare.


IQAC Coordinator





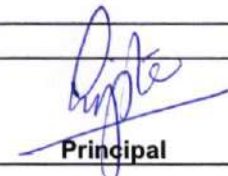
College Stamp


Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of Design-III, BTM-III, History II and SL.

MVPS's College of Architecture, Nashik
THIRD YEAR B.Arch. (2019-20)
 Co-ordinator: Ar. Suruchi Ranadive

SEM I Div A

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM V (L)	DESIGN V (L)	BS III (L)	TOS V (L)	DESIGN V (S)
TEACHER	SR / AP	AB / MR / NM / MS	KJ	AT	AB / MR / NM / MS
8.45 - 9.30	BTM V (L)	DESIGN V (L)	BS III (L)	TOS V (S)	DESIGN V (S)
TEACHER	SR / AP	AB / MR / NM / MS	KJ	AT	AB / MR / NM / MS
9.30 - 10.15	BTM V (L)	DESIGN V (L)	BS III (S)	TOS V (S)	DESIGN V (S)
TEACHER	SR / AP	AB / MR / NM / MS	KJ	AT	AB / MR / NM / MS
10.15 - 11.00	BTM V (S)	DESIGN V (S)	BS III (S)	TOS V (S)*	DESIGN V (S)*
TEACHER	SR / AP	AB / MR / NM / MS	KJ	AT	AB / MR / NM / MS
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM V (S)	DESIGN V (S)	WD II (L)	HIST IV (L)	LA I (L)
TEACHER	SR / AP	AB / MR / NM / MS	AN / SS	SR	NM
12.15 - 1.00	BTM V (S)	DESIGN V (S)	WD II (L)	HIST IV (L)	LA I (S)
TEACHER	SR / AP	AB / MR / NM / MS	AN / SS	SR	NM
1.00 - 1.45	BTM V (S)	DESIGN V (S)	WD II (S)	HIST IV (S)	LA I (S)
TEACHER	SR / AP	AB / MR / NM / MS	AN / SS	SR	NM
1.45 - 2.30	BTM V (S)*	DESIGN V (S)	WD II (S)	HIST IV (S)*	LA I (S)
TEACHER	SR / AP	AB / MR / NM / MS	AN / SS	SR	NM
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy. CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, SR- Suruchi Ranadive, AN- Abhishek Nasikakar, SS- Sharmishtha Surajiwale, KJ - Ketaki Joshi, NM - Nandan Malani, AP- Ankita Pathre, GA- Gaurav Arbooj, MR- Manisha Rajole, AT- Anil Thombare, VISITING FACULTY : MS- Mahesh Shirke.					
 IQAC Coordinator			 College Stamp		 Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of Design-V, BTM-V, TOS-V and History IV.

MVPS's College of Architecture, Nashik
THIRD YEAR B. ARCH. (2019-20)

SEM I Div B

Co-ordinator: Ar.Gaurav Arbooj

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM V (L)	DESIGN V (L)	BS III (L)	HIST IV (L)	DESIGN V (S)
TEACHER	PS / GA	GP / MB / TP / PA	HT / MB	GA / TP	GP / MB / TP / PA
8.45 - 9.30	BTM V (L)	DESIGN V (L)	BS III (L)	HIST IV (L)	DESIGN V (S)
TEACHER	PS / GA	GP / MB / TP / PA	HT / MB	GA / TP	GP / MB / TP / PA
9.30 - 10.15	BTM V (L)	DESIGN V (L)	BS III (S)	HIST IV (S)	DESIGN V (S)
TEACHER	PS / GA	GP / MB / TP / PA	HT / MB	GA / TP	GP / MB / TP / PA
10.15 - 11.00	BTM V (S)	DESIGN V (S)	BS III (S)	HIST IV (S)*	DESIGN V (S)*
TEACHER	PS / GA	GP / MB / TP / PA	HT / MB	GA / TP	GP / MB / TP / PA
11.00 - 11.30 B R E A K					
11.30 - 12.15	BTM V (S)	DESIGN V (S)	WD II (L)	TOS V (L)	LA I (L)
TEACHER	PS / GA	GP / MB / TP / PA	VP / YK	AT	GA / TP
12.15 - 1.00	BTM V (S)	DESIGN V (S)	WD II (L)	TOS V (S)	LA I (S)
TEACHER	PS / GA	GP / MB / TP / PA	VP / YK	AT	GA / TP
1.00 - 1.45	BTM V (S)	DESIGN V (S)	WD II (S)	TOS V (S)	LA I (S)
TEACHER	PS / GA	GP / MB / TP / PA	VP / YK	AT	GA / TP
1.45 - 2.30	BTM V (S)*	DESIGN V (S)	WD II (S)	TOS V (S)*	LA I (S)
TEACHER	PS / GA	GP / MB / TP / PA	VP / YK	AT	GA / TP

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, VP - Vijay Pawar, GP-Geetanjali Patil, MB- Megha Butte, PS- Purva Shah, GA- Gaurav Arbooj, AP- Ankita Pathre, HT- Hemant Thakre, TP- Tejas Pawar, AT - Anil Thomare

VISITING FACULTY: YK - Yogita Kulkarni, PA- Parag Adanwale

[Signature]

IQAC Coordinator



College Stamp

[Signature]
Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of Design-V, BTM-V, TOS-V and History-IV.

MVPS's College of Architecture, Nashik
FOURTH YEAR B. ARCH. (2019-20)

SEM I Div A

Co-ordinator: Ar. Abhishek Nasikakar

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	RIA (L)	DESIGN VII (L)	QSE I (L)	ABTS I (L)	DESIGN VII (S)
TEACHER	PB / RD	AN / NN / AC / SM	MR / AT	UH / NK	AN / NN / AC / SM
8.45 - 9.30	RIA (S)	DESIGN VII (L)	QSE I (S)	ABTS I (L)	DESIGN VII (S)
TEACHER	PB / RD	AN / NN / AC / SM	MR / AT	UH / NK	AN / NN / AC / SM
9.30 - 10.15	RIA (S)	DESIGN VII (L)	QSE I (S)	ABTS I (L)	DESIGN VII (S)
TEACHER	PB / RD	AN / NN / AC / SM	MR / AT	UH / NK	AN / NN / AC / SM
10.15 - 11.00	Elective II (L)	DESIGN VII (S)	QSE I (S)*	ABTS I (S)	DESIGN VII (S)
TEACHER	Coordinator	AN / NN / AC / SM	MR / AT	UH / NK	AN / NN / AC / SM
11.00 - 11.30	B R E A K				
11.30 - 12.15	Elective II (S)	DESIGN VII (S)	US I (L)	ABTS I (S)	SW I (L)
TEACHER	Coordinator	AN / NN / AC / SM	AB / S Son	UH / NK	AN / NK
12.15 - 1.00	PP I (L)	DESIGN VII (S)	US I (S)	ABTS I (S)	SW I (S)
TEACHER	AB	AN / NN / AC / SM	AB / S Son	UH / NK	AN / NK
1.00 - 1.45	PP I (S)	DESIGN VII (S)	US I (S)	ABTS I (S)	SW I (S)
TEACHER	AB	AN / NN / AC / SM	AB / S Son	UH / NK	AN / NK
1.45 - 2.30	PP I (S)	DESIGN VII (S)	US I (S)*	ABTS I (S)*	SW I (S)*
TEACHER	AB	AN / NN / AC / SM	AB / S Son	UH / NK	AN / NK

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

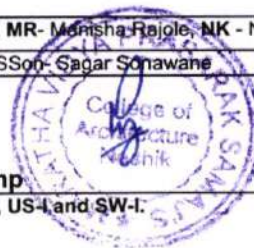
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, UH- Umesh Hirawe, AN- Abhishek Nasikakar, MR- Manisha Rajole, NK - Nikita Kothavale, SC- Shital Chaugule, AT-Anil Thomare

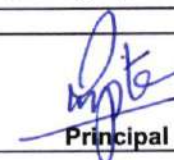
VISITING FACULTY: RD - Ronak Dodecha, SM - Sanjay Mistri, AC- Amol Chaudhari, NN- Nitin Nikam, SSon- Sagar Sonawane



IQAC Coordinator

College Stamp




Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of ABTS-I, QSE-I, US-I and SW-I.

MVPS's College of Architecture, Nashik
FOURTH YEAR B. ARCH. (2019-20)
Co-ordinator: Ar. Ashish Khemnar

SEM I Div B

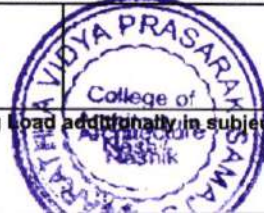
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	RIA (L)	DESIGN VII (L)	QSE I (L)	ABTS I (L)	DESIGN VII (S)
TEACHER	HT / SG	AK / SP / AS	AK	VP / SC	AK / SP / AS
8.45 - 9.30	RIA (S)	DESIGN VII (L)	QSE I (S)	ABTS I (L)	DESIGN VII (S)
TEACHER	HT / SG	AK / SP / AS	AK	VP / SC	AK / SP / AS
9.30 - 10.15	RIA (S)	DESIGN VII (L)	QSE I (S)	ABTS I (L)	DESIGN VII (S)
TEACHER	HT / SG	AK / SP / AS	AK	VP / SC	AK / SP / AS
10.15 - 11.00	Elective II (L)	DESIGN VII (S)	QSE I (S)*	ABTS I (S)	DESIGN VII (S)
TEACHER	Coordinator	AK / SP / AS	AK	VP / SC	AK / SP / AS
11.00 - 11.30	B R E A K				
11.30 - 12.15	Elective II (S)	DESIGN VII (S)	US I (L)	ABTS I (S)	SW I (L)
TEACHER	Coordinator	AK / SP / AS	SC	VP / SC	SC
12.15 - 1.00	PP I (L)	DESIGN VII (S)	US I (S)	ABTS I (S)	SW I (S)
TEACHER	SC	AK / SP / AS	SC	VP / SC	SC
1.00 - 1.45	PP I (S)	DESIGN VII (S)	US I (S)	ABTS I (S)	SW I (S)
TEACHER	SC	AK / SP / AS	SC	VP / SC	SC
1.45 - 2.30	PP I (S)	DESIGN VII (S)	US I (S)*	ABTS I (S)*	SW I (S)*
TEACHER	SC	AK / SP / AS	SC	VP / SC	SC

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.


CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, VP -Vijay Pawar, HT- Hemant Thakre, AK - Ashish Khemnar, SC - Shital Chaugule,

VISITING FACULTY: SP - Satish Pawar, AS - Ashwin Sonavane, SG-Shivani Gaikwad.


IQAC Coordinator



College Stamp


Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of ABTS-I, QSE-I, SW-I and US-I.

M.V.P.S.'s College of Architecture, Nashik

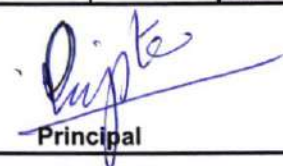
Academic Year - 2019-20		Teaching Load										Semester - I
	Faculty Name	Monday		Tuesday		Wednesday		Thursday		Friday		Total
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Hrs.
1	Prajakta Baste	3	-	-	-	3	-	-	-	-	-	6
2	Arpita Bhatt	-	3	4	4	-	3	-	-	3	-	17
3	Vijaykumar Pawar	-	-	1	3	-	4	4	3	3	-	18
4	Suruchi Randive	4	3	4	4	-	-	-	3	3	-	21
5	Umesh Hirawe	1	4	1	3	-	-	4	3	3	-	19
6	Geetanjali Patil	-	-	4	4	4	-	4	3	3	-	22
7	Abhishek Nasikakar	3	2	4	4	-	4	-	-	4	3	24
8	Ashish Khemnagar	4	1	4	4	3	-	2	3	4	-	25
9	Megha Butte	-	-	4	4	4	3	4	3	3	-	25
10	Ketaki Joshi	3	2	1	3	4	-	2	3	3	-	21
11	Purva Shah	4	3	4	4	-	-	-	-	3	3	21
12	Nandan Malani	3	2	4	4	-	3	-	-	3	4	23
13	Sharmishtha Surajiwale	1	4	2	-	4	4	4	3	-	-	22
14	Ankita Pathare	4	3	1	3	3	-	2	3	3	3	25
15	Niketa Kothavale	1	4	4	4	-	-	4	3	3	3	26
16	Manisha Rajole	-	-	4	4	3	-	4	3	3	-	21
17	Hemant Thakare	3	-	4	4	4	-	-	-	3	3	21
18	Gaurav Arbooj	4	3	4	4	-	-	3	-	3	4	25
19	Kiran Kadam	3	2	4	4	-	-	2	3	3	-	21
20	Sheetal Chougule	4	4	1	3	-	3	4	3	3	3	28
21	Tejas Pawar	3	2	4	4	-	-	3	-	3	4	23
22	Anil Thomare	3	3	2	-	3	-	3	3	-	3	20
23	Sankalp Bagul	-	-	-	-	-	-	3	3	-	-	6
24	Suhas Datrange	-	-	-	-	-	3	-	-	-	-	3



IQAC Coordinator



College Stamp



Principal

MVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2019-20)

SEM II Div A

Co-ordinator: Ar. Ketaki Joshi

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 9.00	BCM II (L)	TOS II (L)	HISTORY (L)	FHD (S)	ARCH DESIGN I (S)
TEACHER	AN / KJ / NM	SS	NM	SB	KJ / CN / TK
9.00 - 10.00	BCM II (L)	TOS II (L)	HISTORY (S)	AGD II (L)	ARCH DESIGN I (S)
TEACHER	AN / KJ / NM	SS	NM	KJ / YK / SB	KJ / CN / TK
10.00 - 11.00	BCM II (L)	ARCH DESIGN I (L)	HISTORY (S)	AGD II (S)	ARCH DESIGN I (S)
TEACHER	AN / KJ / NM	KJ / CN / TK	NM	KJ / YK / SB	KJ / CN / TK
11.00 - 11.30	B R E A K				
11.30 - 12.30	BCM II (S)	ARCH DESIGN I (S)	WORKSHOP II (L)	AGD II (S)	FOA
TEACHER	AN / KJ / NM	KJ / CN / TK	SD	KJ / YK / SB	AS
12.30 - 1.30	BCM II (S)	ARCH DESIGN I (S)	WORKSHOP II (S)	AGD II (S)	FOA
TEACHER	AN / KJ / NM	KJ / CN / TK	SD	KJ / YK / SB	AS
1.30 - 2.30	BCM II (S)*	ARCH DESIGN I (S)	WORKSHOP II (S)	AGD II (S)	FOA
TEACHER	AN / KJ / NM	KJ / CN / TK	SD	KJ / YK / SB	AS

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, UH- Umesh Hirawe, AN- Abhishek Nasikakar, KJ - Ketaki Joshi, NM - Nandan Malani, SS - Sharmishta Surajiwale, AT- Anil Thombare, SB- Sankalp Bagul, SD - Suhas Datrang, PS- Purva Shah.

VISITING FACULTY : RD - Ronak Dodecha, AS - Amruta Sawant, RP - Rajesh Patel, CN - Charudatta Nerkar, YK - Yogita Kulkarni, TK- Trupti Kakde

 IQAC Coordinator	 College Stamp	 Principal
--	---	---

Institute Philosophy lectures are given in Teaching Load additionally in subject of BCM-I and as FHD (Free Hand Sketching) in the subject of AGD-I

MVPS's College of Architecture, Nashik

FIRST YEAR B. ARCH. (2019-20)

SEM II Div B

Co-ordinator: Ar. Kiran Kadam

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 9.00	BCM II (L)	TOS II (L)	HISTORY (L)	FHD (S)	ARCH DESIGN I (S)
TEACHER	KK / TP / YK	AT	PB	SB	VP / SC / RD
9.00 - 10.00	BCM II (L)	TOS II (L)	HISTORY (L)	AGD II (L)	ARCH DESIGN I (S)
TEACHER	KK / TP / YK	AT	PB	AK / KK	VP / SC / RD
10.00 - 11.00	BCM II (L)	ARCH DESIGN I (L)	HISTORY (S)	AGD II (S)	ARCH DESIGN I (S)
TEACHER	KK / TP / YK	VP / SC / RD	PB	AK / KK	VP / SC / RD
11.00 - 11.30	B R E A K				
11.30 - 12.30	BCM II (S)	ARCH DESIGN I (S)	WORKSHOP II (S)	AGD II (S)	FOA (L)
TEACHER	KK / TP / YK	VP / SC / RD	SD	AK / KK	PS
12.30 - 1.30	BCM II (S)	ARCH DESIGN I (S)	WORKSHOP II (S)	AGD II (S)	FOA (L)
TEACHER	KK / TP / YK	VP / SC / RD	SD	AK / KK	PS
1.30 - 2.30	BCM II (S)*	ARCH DESIGN I (S)	WORKSHOP II (S)	AGD II (S)	FOA (S)
TEACHER	KK / TP / YK	VP / SC / RD	SD	AK / KK	PS

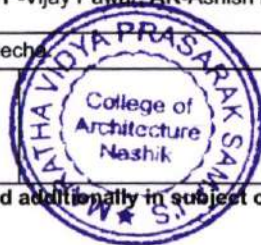
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, VP-Vijay Pawar, AK-Ashish Khemnar, KK- Kiran Kadam, AT- Anil Thombare, SB- Sankalp Bagul, SD - Suhas Datrang, TP-Tejas Pawar, PS- Purva Shah, SC- Sheetal Chougule,

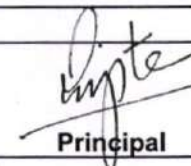
VISITING FACULTY : YK - Yogita Kulkarni, RD-Ronak Dodecha



IQAC Coordinator



College Stamp



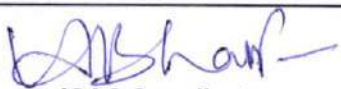
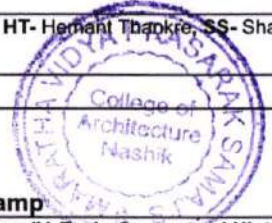
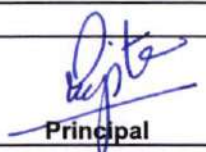
Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BCM-I and as FHD (Free Hand Sketching) in the subject of AGD-I

SECOND YEAR B. ARCH. (2019-20)

SEM II Div A

Co-ordinator: Ar. Sharmishtha Surajiwale


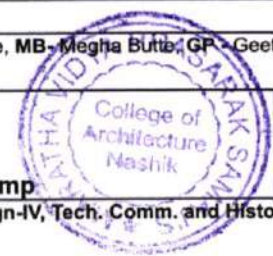
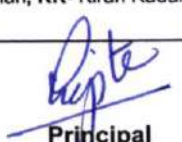
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	TOS IV (L)	DESIGN IV (L)	BS II (L)	BTM IV (L)	DESIGN IV (S)
TEACHER	AT	SR / GA / YN	SS	SS / MR	SR / GA / YN
8.45 - 9.30	TOS IV (S)	DESIGN IV (L)	BS II (L)	BTM IV (L)	DESIGN IV (S)
TEACHER	AT	SR / GA / YN	SS	SS / MR	SR / GA / YN
9.30 - 10.15	TOS IV (S)	DESIGN IV (L)	BS II (S)	BTM IV (L)	DESIGN IV (S)
TEACHER	AT	SR / GA / YN	SS	SS / MR	SR / GA / YN
10.15 - 11.00	WD I (L)	DESIGN IV (S)	BS II (S)	BTM IV (S)	DESIGN IV (S)*
TEACHER	SS / NK	SR / GA / YN	SS	SS / MR	SR / GA / YN
11.00 - 11.30	B R E A K				
11.30 - 12.15	WD I (L)	DESIGN IV (S)	HIST III (L)	BTM IV (S)	Tech Comm (L)
TEACHER	SS / NK	SR / GA / YN	NM	SS / MR	HT
12.15 - 1.00	WD I (S)	DESIGN IV (S)	HIST III (L)	BTM IV (S)	Tech Comm (S)
TEACHER	SS / NK	SR / GA / YN	NM	SS / MR	HT
1.00 - 1.45	WD I (S)	DESIGN IV (S)	HIST III (S)	BTM IV (S)	Tech Comm (S)
TEACHER	SS / NK	SR / GA / YN	NM	SS / MR	HT
1.45 - 2.30	WD I (S)	DESIGN IV (S)	HIST III (S)*	BTM IV (S)*	Tech Comm (S)*
TEACHER	SS / NK	SR / GA / YN	NM	SS / MR	HT
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.					
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, SR-Suruchi Ranadive, UH- Umesh Hirawe, HT- Hemant Thakre, SS- Sharmishtha Surajiwale, NM - Nandan Malani, GA- Gaurav Arbooj, NK- Niketa Kothavle, MR- Manisha Rajole, AT- Anil Thombare,					
VISITING FACULTY : YN - Yusuf Nasikwala,					
 IQAC Coordinator		 College Stamp		 Principal	

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-IV, Design-IV, Tech. Comm. and History-III.

MVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2019-20)

SEM II Div B

Co-ordinator: Ar. Purva Shah

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	WD I (L)	DESIGN IV (L)	BS II (L)	BTM IV (L)	DESIGN IV (S)
TEACHER	AK/SC	PS / HT / KK	GP	GP/MB	PS / HT / KK
8.45 - 9.30	WD I (L)	DESIGN IV (L)	BS II (L)	BTM IV (L)	DESIGN IV (S)
TEACHER	AK/SC	PS / HT / KK	GP	GP/MB	PS / HT / KK
9.30 - 10.15	WD I (S)	DESIGN IV (L)	BS II (S)	BTM IV (L)	DESIGN IV (S)
TEACHER	AK/SC	PS / HT / KK	GP	GP/MB	PS / HT / KK
10.15 - 11.00	WD I (S)	DESIGN IV (S)	BS II (S)	BTM IV (S)	DESIGN IV (S)*
TEACHER	AK/SC	PS / HT / KK	GP	GP/MB	PS / HT / KK
11.00 - 11.30	B R E A K				
11.30 - 12.15	WD I (S)	DESIGN IV (S)	HIST III (L)	BTM IV (S)	Tech Comm (L)
TEACHER	AK/SC	PS / HT / KK	MB	GP/MB	KK
12.15 - 1.00	TOS IV (L)	DESIGN IV (S)	HIST III (L)	BTM IV (S)	Tech Comm (S)
TEACHER	AT	PS / HT / KK	MB	GP/MB	KK
1.00 - 1.45	TOS IV (S)	DESIGN IV (S)	HIST III (S)	BTM IV (S)	Tech Comm (S)
TEACHER	AT	PS / HT / KK	MB	GP/MB	KK
1.45 - 2.30	TOS IV (S)	DESIGN IV (S)	HIST III (S)*	BTM IV (S)*	Tech Comm (S)*
TEACHER	AT	PS / HT / KK	MB	GP/MB	KK
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy. CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, AK-Aashish Khemnar, SC-Sheetal Chougule, MB- Megha Butte, GP- Geetanjali Patil, PS- Purva Shah, KK- Kiran Kadam, GA- Gaurav Arbooj, HT- Hemant Thakre, AT- Anil Thombare.					
 IQAC Coordinator		 College Stamp		 Principal	

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-IV, Design-IV, Tech. Comm. and History-III.

.VPS's College of Architecture, Nashik
THIRD YEAR B. ARCH. (2019-20)
 Co-ordinator: Ar. Suruchi Ranadive

SEM II Div A

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM VI (L)	DESIGN VI (L)	BS IV (L)	TOS VI (L)	DESIGN VI (S)
TEACHER	SR / SSON	AB / MR / NM / MS	KJ / CN	AT	AB / MR / NM / MS
8.45 - 9.30	BTM VI (L)	DESIGN VI (L)	BS IV (L)	TOS VI (S)	DESIGN VI (S)
TEACHER	SR / SSON	AB / MR / NM / MS	KJ / CN	AT	AB / MR / NM / MS
9.30 - 10.15	BTM VI (L)	DESIGN VI (L)	BS IV (S)	TOS VI (S)	DESIGN VI (S)
TEACHER	SR / SSON	AB / MR / NM / MS	KJ / CN	AT	AB / MR / NM / MS
10.15 - 11.00	BTM VI (S)	DESIGN VI (S)	BS IV (S)	TOS VI (S)*	DESIGN VI (S)*
TEACHER	SR / SSON	AB / MR / NM / MS	KJ / CN	AT	AB / MR / NM / MS
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM VI (S)	DESIGN VI (S)	Electives I (L)	CAS (L)	LA II (L)
TEACHER	SR / SSON	AB / MR / NM / MS	AN / SS	SR	NM / TK
12.15 - 1.00	BTM VI (S)	DESIGN VI (S)	Electives I (L)	CAS (L)	LA II (S)
TEACHER	SR / SSON	AB / MR / NM / MS	AN / SS	SR	NM / TK
1.00 - 1.45	BTM VI (S)	DESIGN VI (S)	Electives I (S)	CAS (S)	LA II (S)
TEACHER	SR / SSON	AB / MR / NM / MS	AN / SS	SR	NM / TK
1.45 - 2.30	BTM VI (S)*	DESIGN VI (S)	Electives I (S)	CAS (S)*	LA II (S)
TEACHER	SR / SSON	AB / MR / NM / MS	AN / SS	SR	NM / TK

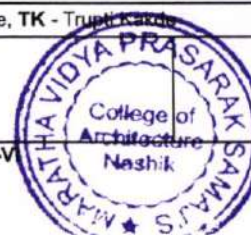
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

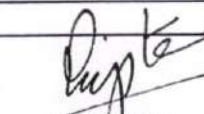
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, SR-Suruchi Ranadive, AN-Abhishek Nasikakar, KJ - Ketaki Joshi, SS- Sharmishtha Surajiwale, NM - Nandan Malani, GA- Gaurav Arbooj, MR- Manisha Rajole, AT- Anil Thombare.

VISITING FACULTY : VV - Vivek Vibhute , CN - Charudatta Nerkar, MS- Mahesh Shirke, SSON - Sagar Sonawane, TK - Trupti Kande


IQAC Coordinator

College Stamp



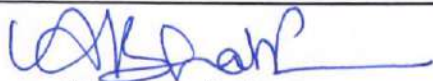
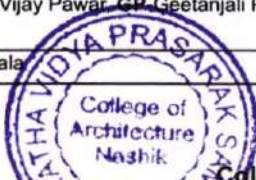
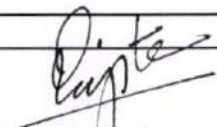

Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-VI, Design-VI, TOS-VI

MVPS's College of Architecture, Nashik
THIRD YEAR B. ARCH. (2019-20)

SEM II Div B

Co-ordinator: Ar.Gaurav Arbooj

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM VI (L)	DESIGN VI (L)	BS IV (L)	CAS (L)	DESIGN VI (S)
TEACHER	PS / GA	GP / MB / TP / PA	HT / MB	GA/TP	GP / MB / TP / PA
8.45 - 9.30	BTM VI (L)	DESIGN VI (L)	BS IV (L)	CAS(L)	DESIGN VI (S)
TEACHER	PS / GA	GP / MB / TP / PA	HT / MB	GA/TP	GP / MB / TP / PA
9.30 - 10.15	BTM VI (L)	DESIGN VI (L)	BS IV (S)	CAS (S)	DESIGN VI (S)
TEACHER	PS / GA	GP / MB / TP / PA	HT / MB	GA/TP	GP / MB / TP / PA
10.15 - 11.00	BTM VI (S)	DESIGN VI (S)	BS IV (S)	CAS (S)*	DESIGN VI (S)*
TEACHER	PS / GA	GP / MB / TP / PA	HT / MB	GA/TP	GP / MB / TP / PA
11.00 - 11.30 B R E A K					
11.30 - 12.15	BTM VI (S)	DESIGN VI (S)	Electives I (L)	TOS VI (L)	LA II (L)
TEACHER	PS / GA	GP / MB / TP / PA	VP / AK	AT	GA / TP
12.15 - 1.00	BTM VI (S)	DESIGN VI (S)	Electives I (S)	TOS VI (S)	LA II (S)
TEACHER	PS / GA	GP / MB / TP / PA	VP / AK	AT	GA / TP
1.00 - 1.45	BTM VI (S)	DESIGN VI (S)	Electives I (S)	TOS VI (S)	LA II (S)
TEACHER	PS / GA	GP / MB / TP / PA	VP / AK	AT	GA / TP
1.45 - 2.30	BTM VI (S)*	DESIGN VI (S)	Electives I (S)*	TOS VI (S)*	LA II (S)
TEACHER	PS / GA	GP / MB / TP / PA	VP / AK	AT	GA / TP
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.					
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, VP - Vijay Pawar, GP- Geetanjali Patil, AK - Ashish Khemnar, MB- Megha Butte, GA- Gaurav Arbooj, AP- Ankita Pathre, PS- Purva Shah, HT- Hemant Thakre, TP-Tejas Pawar					
VISITING FACULTY: YK - Yogita Kulkarni, PA- Parag Adenwala					
 IQAC Coordinator		 College Stamp		 Principal	

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-VI, Design-VI, TOS-VI and Elective I

MVPS's College of Architecture, Nashik
FOURTH YEAR B. ARCH. (2019-20)
Co-ordinator: Ar. Abhishek Nasikakar

SEM II Div A

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	RIA II (L)	DESIGN VIII (L)	QSE II (L)	ABTS II (L)	DESIGN VIII (S)
TEACHER	PB / RD	AN / NN / AC / SM	MR / AT	UH / NK	AN / NN / AC / SM
8.45 - 9.30	RIA II (S)	DESIGN VIII (L)	QSE II (S)	ABTS II (L)	DESIGN VIII (S)
TEACHER	PB / RD	AN / NN / AC / SM	MR / AT	UH / NK	AN / NN / AC / SM
9.30 - 10.15	RIA II (S)	DESIGN VIII (L)	QSE II (S)	ABTS II (L)	DESIGN VIII (S)
TEACHER	PB / RD	AN / NN / AC / SM	MR / AT	UH / NK	AN / NN / AC / SM
10.15 - 11.00	RIA II (S)*	DESIGN VIII (S)	ELECTIVE III (L)	ABTS II (S)	DESIGN VIII (S)
TEACHER	PB / RD	AN / NN / AC / SM	AN / VP	UH / NK	AN / NN / AC / SM
11.00 - 11.30	B R E A K				
11.30 - 12.15	RIA II (S)*	DESIGN VIII (S)	ELECTIVE III (S)	ABTS II (S)	SW II (L)
TEACHER	PB / RD	AN / NN / AC / SM	KJ	UH / NK	AN / NK
12.15 - 1.00	PP II (L)	DESIGN VIII (S)	US II (L)	ABTS II (S)	SW II (S)
TEACHER	AB	AN / NN / AC / SM	AB / SSON	UH / NK	AN / NK
1.00 - 1.45	PP II (S)	DESIGN VIII (S)	US II (S)	ABTS II (S)	SW II (S)
TEACHER	AB	AN / NN / AC / SM	AB / SSON	UH / NK	AN / NK
1.45 - 2.30	PP II (S)	DESIGN VIII (S)	US II (S)	ABTS II (S) *	SW II (S) *
TEACHER	AB	AN / NN / AC / SM	AB / SSON	UH / NK	AN / NK

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, AN-Abhishek Nasikakar, UH - Umesh Hirawe, MR- Manisha Rajole, AT - Anil Thomare, NK- Niketa Kothawle

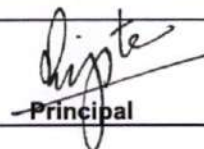
VISITING FACULTY : RD - Roank Dodecha, SM - Sanjay Mistri, AC- Amol Chaudhari, NN- Nitin Nikam, SSON - Sagar Sonawane



IQAC Coordinator

College Stamp




Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of ABTS-II, SW-II and RIA II.

MVPS's College of Architecture, Nashik
FOURTH YEAR B. ARCH. (2019-20)

SEM II Div B

Co-ordinator: Ar. Ashish Khemnar

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	RIA II (L)	DESIGN VIII (L)	QSE II (L)	ABTS II (L)	DESIGN VIII (S)
TEACHER	HT	AK / AS / SP	AK	VP/SC	AK / AS / SP
8.45 - 9.30	RIA II (S)	DESIGN VIII (L)	QSE II (S)	ABTS II (L)	DESIGN VIII (S)
TEACHER	HT	AK / AS / SP	AK	VP/SC	AK / AS / SP
9.30 - 10.15	RIA II (S)	DESIGN VIII (L)	QSE II (S)	ABTS II (L)	DESIGN VIII (S)
TEACHER	HT	AK / AS / SP	AK	VP/SC	AK / AS / SP
10.15 - 11.00	RIA II (S)*	DESIGN VIII (S)	ELECTIVE III	ABTS II (S)	DESIGN VIII (S)
TEACHER	HT	AK / AS / SP	AN / VP	VP/SC	AK / AS / SP
11.00 - 11.30	B R E A K				
11.30 - 12.15	RIA II (S)*	DESIGN VIII (S)	ELECTIVE III	ABTS II (S)	SW II (L)
TEACHER	HT	AK / AS / SP	KJ	VP/SC	SC
12.15 - 1.00	PP II (L)	DESIGN VIII (S)	US II (S)	ABTS II (S)	SW II (S)
TEACHER	SC	AK / AS / SP	PP / AS	VP/SC	SC
1.00 - 1.45	PP II (S)	DESIGN VIII (S)	US II (S)	ABTS II (S)	SW II (S)
TEACHER	SC	AK / AS / SP	PP / AS	VP/SC	SC
1.45 - 2.30	PP II (S)	DESIGN VIII (S)	US II (S) *	ABTS II (S) *	SW II (S) *
TEACHER	SC	AK / AS / SP	PP / AS	VP/SC	SC

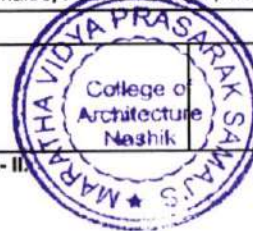
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

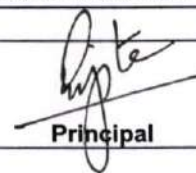
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, VP- Vijay Pawar, AK-Ashish Khemnar, HT - Hemant Thakre, PS- Pooja Shah, SC - Sheetal Chougule, KJ - Ketaki Joshi

VISITING FACULTY : SP - Satish Patil, AS- Ashwin Sonawane, PP- Pankaj Patil


IQAC Coordinator

College Stamp




Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of ABTS-II, SW-II and RIA- II.

MVPS's College of Architecture, Nashik
F. H YEAR B. ARCH. (2019-20)

SEM II

Co-ordinator: Dr. Prajakta Baste

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.00 - 8.45	Elective IV - A (L)	Elective IV- B (L)	Arch. Design Project (L)	-	Arch. Design Project Progressive Work (S)	Arch. Design Project (S)
TEACHER	MR / AC	AC	PB / UH / DB / RD / MP / NP / PP		PB / UH / DB / RD / MP / NP / PP	PB / UH / DB / RD / MP / NP / PP
8.45 - 9.30	Elective IV- A (S)	Elective IV- B (S)	Arch. Design Project (L)	-	Arch. Design Project Progressive Work (S)	Arch. Design Project (S)
TEACHER	MR / AC	AC	PB / UH / DB / RD / MP / NP / PP		PB / UH / DB / RD / MP / NP / PP	PB / UH / DB / RD / MP / NP / PP
9.30 - 10.15	Elective IV- A (S)	Elective IV- B (S)	Arch. Design Project (L)	-	Arch. Design Project Progressive Work (S)	Arch. Design Project (S)
TEACHER	MR / AC	AC	PB / UH / DB / RD / MP / NP / PP		PB / UH / DB / RD / MP / NP / PP	PB / UH / DB / RD / MP / NP / PP
10.15 - 11.00	-	-	Arch. Design Project (L)	-	Arch. Design Project Progressive Work (S)	Arch. Design Project (S)
TEACHER			PB / UH / DB / RD / MP / NP / PP		PB / UH / DB / RD / MP / NP / PP	PB / UH / DB / RD / MP / NP / PP
11.00 - 11.30 B R E A K						
11.30 - 12.15	-	-	Arch. Design Project (S)	-	-	Arch. Design Project (S)
TEACHER			PB / UH / DB / RD / MP / NP / PP			PB / UH / DB / RD / MP / NP / PP
12.15 - 1.00	-	-	Arch. Design Project (S)	-	-	Arch. Design Project (S)
TEACHER			PB / UH / DB / RD / MP / NP / PP			PB / UH / DB / RD / MP / NP / PP
1.00 - 1.45	-	-	Arch. Design Project (S)	-	-	Arch. Design Project (S)
TEACHER			PB / UH / DB / RD / MP / NP / PP			PB / UH / DB / RD / MP / NP / PP
1.45 - 2.30	-	-	Arch. Design Project (S)	-	-	Arch. Design Project (S)
TEACHER			PB / UH / DB / RD / MP / NP / PP			PB / UH / DB / RD / MP / NP / PP

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

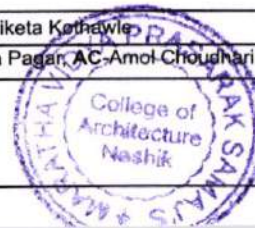
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, UH - Umesh Hirawe, MR- Manisha Rajole, NK- Niketa Kothawale

VISITING FACULTY : DB - Deep Bhagwat, RD - Rohan Devre, MP - Mukul Patil, NP - Nitin Patel, PP- Pravin Pagar, AC- Amol Choudhari

[Signature]

IQAC Coordinator

College Stamp



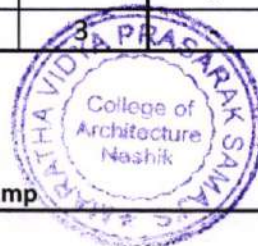
[Signature]
Principal

M.V.P.S. 'S COLLEGE OF ARCHITECTURE, NASHIK

Academic Year - 2019-20		Teaching Load										Semester - II		
Sr. No.	Faculty Name	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Total Hrs.
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	
1	Prajakta Baste	3	-	4	4	3	-	4	-	-	-	4	4	26
2	Arpita Bhatt	-	3	4	4	-	3	-	-	3	-	-	-	17
3	Vijay Pawar	-	-	1	3	1	4	4	3	3	-	-	-	19
4	Suruchi Randive	4	3	4	4	-	-	-	3	3	-	-	-	21
5	Umesh Hirawe	-	-	-	-	4	4	4	3	4	-	4	4	27
6	Geetanjali Patil	-	-	4	4	4	-	4	3	3	-	-	-	22
7	Abhishek Nasikakar	3	2	4	4	1	4	-	-	4	3	-	-	25
8	Ashish Khemnar	4	1	4	4	3	4	2	3	4	-	-	-	29
9	Megha Butte	-	-	4	4	4	3	4	3	3	-	-	-	25
10	Ketaki Joshi	3	2	1	3	4	1	2	3	3	-	-	-	22
11	Purva Shah	4	3	4	4	-	-	-	-	3	3	-	-	21
12	Nandan Malani	3	2	4	4	3	3	-	-	3	4	-	-	26
13	Sharmishtha Surajiwale	1	4	2	-	4	4	4	3	-	-	-	-	22
14	Ankita Pathare	Maternity Leave												
15	Niketa Kothavale	1	4	-	-	3	-	4	3	-	3	-	-	18
16	Manisha Rajole	3	-	4	4	3	-	4	3	3	-	-	-	24
17	Hemant Thakare	3	-	4	4	4	-	-	-	3	3	-	-	21
18	Kiran Kadam	3	2	4	4	-	-	2	3	3	3	-	-	24
19	Gaurav Arbooj	4	3	4	4	-	-	3	-	3	4	-	-	25
20	Sheetal Chougule	4	4	1	3	-	3	4	3	3	3	-	-	28
21	Tejas Pawar	3	2	4	4	-	-	3	-	3	4	-	-	23
22	Anil Thomare	3	3	2	-	3	-	3	3	-	3	-	-	20
23	Sankalp Bagul	-	-	-	-	-	-	3	3	-	-	-	-	6
24	Suhas Datrange	-	-	-	-	-	-	-	-	-	-	-	-	3

[Signature]

IQAC Coordinator



College Stamp

[Signature]
Principal



M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

D) Institute Time Table and Teachers Teaching Loads

3. AY- 2018-2019


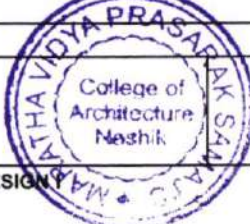
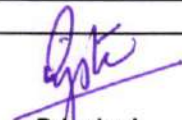
- Time Table -Sem-I & SEM-II
- Teachers Teaching Load



MVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2018-19)

SEM I Div A

Co-ordinator: Ar. Ketaki Joshi

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM I (L)	TOS I (L)	SKETCHING/ADG I (S)*	ITA (L)	SKETCHING/DESIGN I (S)*
TEACHER	AN / MJ / GA	AT	SB + ADG Team	PS	SB + Design Team
8.45 - 9.30	BTM I (L)	TOS I (S)	SKETCHING/ADG I (S)*	ITA (L)	SKETCHING/DESIGN I (S)*
TEACHER	AN / MJ / GA	AT	SB + ADG Team	PS	SB + Design Team
9.30 - 10.15	BTM I (L)	TOS I (S)	WORKSHOP (L)	ITA (S)	SKETCHING/DESIGN I (S)*
TEACHER	AN / MJ / GA	AT	SD	PS	SB + Design Team
10.15 - 11.00	BTM I (S)	DESIGN I (L)	WORKSHOP (L)	ADG I (L)	DESIGN I (S)
TEACHER	AN / MJ / GA	UH / KJ / SS	SD	AP / GA	UH / KJ / SS
11.00 - 11.30 B R E A K					
11.30 - 12.15	BTM I (S)	DESIGN I (L)	WORKSHOP (S)	ADG I (L)	DESIGN I (S)
TEACHER	AN / MJ / GA	UH / KJ / SS	SD	AP / GA	UH / KJ / SS
12.15 - 1.00	BTM I (S)	DESIGN I (L)	HUMANITIES (L)	ADG I (S)	DESIGN I (S)
TEACHER	AN / MJ / GA	UH / KJ / SS	PB	AP / GA	UH / KJ / SS
1.00 - 1.45	BTM I (S)	DESIGN I (S)	HUMANITIES (L)	ADG I (S)	DESIGN I (S)
TEACHER	AN / MJ / GA	UH / KJ / SS	PB	AP / GA	UH / KJ / SS
1.45 - 2.30	BTM I (S)*	DESIGN I (S)	HUMANITIES (S)	ADG I (S)	DESIGN I (S)
TEACHER	AN / MJ / GA	UH / KJ / SS	PB	AP / GA	UH / KJ / SS
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.					
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, UH-Umesh Hirawe, AN- Abhishek Nasikakar, KJ- Ketaki Joshi, NM- Nandan Malani, PS- Purva Shah, SS- Sharmishtha Surajiwale, AP-Ankita Pathare, MJ-Meghana Joshi, GA-Gaurav Arbooj, AT-Anil Thomre, SB- Sankalp Bagul, SD- Suhas Datrange.					
VISITING FACULTY : RD - Ronak Dodecha					
 IQAC Coordinator	 College Stamp				 Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-I, ADG I and DESIGN I

MVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2018-19)

SEM I Div B

Co-ordinator: Ar. Kiran Kadam

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM I (L)	TOS I (L)	SKETCHING/ADG I (S)*	ITA (L)	SKETCHING/DESIGN I (S)*
TEACHER	KJ / KK / NM / YK	AT	SB + Team ADG	AP	SB + Design Team
8.45 - 9.30	BTM I (L)	TOS I (S)	SKETCHING/ADG I (S)*	ITA (L)	SKETCHING/DESIGN I (S)*
TEACHER	KJ / KK / NM / YK	AT	SB + Team ADG	AP	SB + Design Team
9.30 - 10.15	BTM I (L)	TOS I (S)	WORKSHOP I (L)	ITA (S)	SKETCHING/DESIGN I (S)*
TEACHER	KJ / KK / NM / YK	AT	SD	AP	SB + Design Team
10.15 - 11.00	BTM I (S)	DESIGN I (L)	WORKSHOP I (S)	ADG I (L)	DESIGN I (S)
TEACHER	KJ / KK / NM / YK	AP / TT / RB	SD	KJ / KK / JS	AP / TT / RB
11.00 - 11.30 B R E A K					
11.30 - 12.15	BTM I (S)	DESIGN I (L)	WORKSHOP I (S)	ADG I (L)	DESIGN I (S)
TEACHER	KJ / KK / NM / YK	AP / TT / RB	SD	KJ / KK / JS	AP / TT / RB
12.15 - 1.00	BTM I (S)	DESIGN I (L)	HUMANITIES (L)	ADG I (S)	DESIGN I (S)
TEACHER	KJ / KK / NM / YK	AP / TT / RB	JS	KJ / KK / JS	AP / TT / RB
1.00 - 1.45	BTM I (S)	DESIGN I (S)	HUMANITIES (L)	ADG I (S)	DESIGN I (S)
TEACHER	KJ / KK / NM / YK	AP / TT / RB	JS	KJ / KK / JS	AP / TT / RB / BM
1.45 - 2.30	BTM I (S)*	DESIGN I (S)	HUMANITIES (S)	ADG I (S)	DESIGN I (S)
TEACHER	KJ / KK / NM / YK	AP / TT / RB	JS	KJ / KK / JS	AP / TT / RB

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

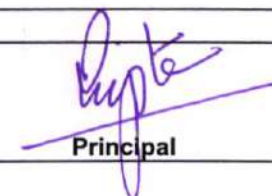
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, AN- Ankita Pathare, KJ- Ketaki Joshi, KK- Kiran Kadam, RB- Rachana Bhargav, TT- Tejashree Thangaonkar, NM- Nandan Malani, AT- Anil Thombare, SB- Sankalp Bagul, SD- Suhas Datrang, JS- Juie Sabnis,

VISITING FACULTY : YK - Yogita Kulkarni



IQAC Coordinator

College Stamp

Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-I, ADG I and DESIGN I.

MVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2018-19)
 Co-ordinator: Ar. Sharmishtha Surajiwale

SEM I Div A

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	TOS III (L)	DESIGN III (L)	BS I (L)	BTM III (L)	DESIGN III (L)
TEACHER	AT / RB	SR / GA / NK / YN	SS	AB / SS	SR / GA / NK / YN
8.45 - 9.30	TOS III (S)	DESIGN III (L)	BS I (L)	BTM III (L)	DESIGN III (S)
TEACHER	AT / RB	SR / GA / NK / YN	SS	AB / SS	SR / GA / NK / YN
9.30 - 10.15	TOS III (S)	DESIGN III (L)	BS I (S)	BTM III (L)	DESIGN III (S)
TEACHER	AT / RB	SR / GA / NK / YN	SS	AB / SS	SR / GA / NK / YN
10.15 - 11.00	ADG III (L)	DESIGN III (S)	BS I (S)	BTM III (S)	DESIGN III (S)*
TEACHER	UH / NK	SR / GA / NK / YN	SS	AB / SS	SR / GA / NK / YN
11.00 - 11.30 B R E A K					
11.30 - 12.15	ADG III (L)	DESIGN III (S)	HIST II (L)	BTM III (S)	SL (L)
TEACHER	UH / NK	SR / GA / NK / YN	SS	AB / SS	AT
12.15 - 1.00	ADG III (S)	DESIGN III (S)	HIST II (L)	BTM III (S)	SL (S)
TEACHER	UH / NK	SR / GA / NK / YN	SS	AB / SS	AT
1.00 - 1.45	ADG III (S)	DESIGN III (S)	HIST II (S)	BTM III (S)	SL (S)
TEACHER	UH / NK	SR / GA / NK / YN	SS	AB / SS	AT
1.45 - 2.30	ADG III (S)	DESIGN III (S)	HIST II (S) *	BTM III (S)*	SL (S) *
TEACHER	UH / NK	SR / GA / NK / YN	SS	AB / SS	AT

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, SR-Suruchi Ranadive, UH- Umesh Hirawe, HT- Hemant Thankare, SS- Sharmishtha Surajiwale, NM - Nandan Malani, GA- Gaurav Arbooj, NK- Niketa Kothavle, AT- Anil Thombare, RB- Rachana Bhargav.

VISITING FACULTY : YN - Yusuf Nasikwala


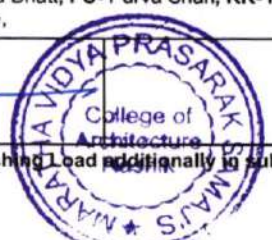
 IQAC Coordinator	 College Stamp	 Principal
--	---	---

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-III, SL, HISTORY and DESIGN III

MVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2018-19)

SEM I Div B

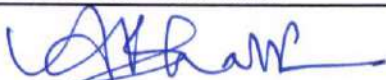

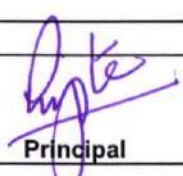
Co-ordinator: Ar. Purva Shah

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	TOS III (L)	DESIGN III (L)	BS I (L)	BTM- III (L)	DESIGN III (S)
TEACHER	AT / RB	KK / JS / PS / HT	GP / JS	TT / NK / GP	KK / JS / PS / HT
8.45 - 9.30	TOS III (S)	DESIGN III (L)	BS I (L)	BTM III (L)	DESIGN III (S)
TEACHER	AT / RB	KK / JS / PS / HT	GP / JS	TT / NK / GP	KK / JS / PS / HT
9.30 - 10.15	TOS III (S)	DESIGN III (L)	BS I (S)	BTM III (L)	DESIGN III (S)
TEACHER	AT / RB	KK / JS / PS / HT	GP / JS	TT / NK / GP	KK / JS / PS / HT
10.15 - 11.00	ADG III (L)	DESIGN III (S)	BS I (S)	BTM III (S)	DESIGN III (S) *
TEACHER	HT	KK / JS / PS / HT	GP / JS	TT / NK / GP	KK / JS / PS / HT
11.00 - 11.30	B R E A K				
11.30 - 12.15	ADG III (L)	DESIGN III (S)	HIST II (L)	BTM III (S)	SL (L)
TEACHER	HT	KK / JS / PS / HT	NM	TT / NK / GP	AT
12.15 - 1.00	ADG III (S)	DESIGN III (S)	HIST II (L)	BTM III (S)	SL (S)
TEACHER	HT	KK / JS / PS / HT	NM	TT / NK / GP	AT
1.00 - 1.45	ADG III (S)	DESIGN III (S)	HIST II (S)	BTM III (S)	SL (S)
TEACHER	HT	KK / JS / PS / HT	NM	TT / NK / GP	AT
1.45 - 2.30	ADG III (S)	DESIGN III (S)	HIST II (S) *	BTM III (S)*	SL (S) *
TEACHER	HT	KK / JS / PS / HT	NM	TT / NK / GP	AT
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.					
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, PS- Purva Shah, KK- Kiran Kadam, HT- Hemant Thakare, RB- Rachana Bhargav, NM - Nandan Malani, TT- Tejashree Thangaonkar, AT- Anil Thombare, JS- Juie Sabnis, NK- Niketa Kothavle,					
 IQAC Coordinator			 College Stamp		 Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-III, SL, HISTORY and DESIGN III

AVPS's College of Architecture, Nashik
THIRD YEAR B. ARCH. (2018-19)
 Co-ordinator: Ar. Suruchi Ranadive

SEM I Div A

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM V (L)	DESIGN V (L)	WD II (L)	HIST IV (L)	TOS V (L)
TEACHER	SR / RR	AB / RR / VV	MJ / RB	SR	AT
8.45 - 9.30	BTM V (L)	DESIGN V (L)	WD II (L)	HIST IV (L)	TOS V (S)
TEACHER	SR / RR	AB / RR / VV	MJ/RB	SR	AT
9.30 - 10.15	BTM V (L)	DESIGN V (L)	WD II (S)	HIST IV (S)	TOS V (S)
TEACHER	SR / RR	AB / RR / VV	MJ/RB	SR	AT
10.15 - 11.00	BTM V (S)	DESIGN V (S)	WD II (S)	HIST IV (S)*	DESIGN V (S)
TEACHER	SR / RR	AB / RR / VV	MJ/RB	SR	AB / RR / VV
11.00 - 11.30 B R E A K					
11.30 - 12.15	BTM V (S)	DESIGN V (S)	BS III (L)	LA I (L)	DESIGN V (S)
TEACHER	SR / RR	AB / RR / VV	SR	NM	AB / RR / VV
12.15 - 1.00	BTM V (S)	DESIGN V (S)	BS III (L)	LA I (L)	DESIGN V (S)
TEACHER	SR / RR	AB / RR / VV	SR	NM	AB / RR / VV
1.00 - 1.45	BTM V (S)	DESIGN V (S)	BS III (S)	LA I (L)	DESIGN V (S)
TEACHER	SR / RR	AB / RR / VV	SR	NM	AB / RR / VV
1.45 - 2.30	BTM V (S)*	DESIGN V (S)	BS III (S)	LA I (S)	DESIGN V (S)*
TEACHER	SR / RR	AB / RR / VV	SR	NM	AB / RR / VV
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy. CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, SR-Suruchi Ranadive, UH- Umesh Hirawe, HT- Hemant Thankre, RB- Rachana Bhargav, NM - Nandan Malani, GA- Gaurav Arbooj, NK- Niketa Kothavle, TT- Tejashree Thangaonkar, RR- Rama Raghavan, MR- Manisha Rajole, AT- Anil Thomare. VISITING FACULTY : VV - Vivek Vibhute					
 IQAC Coordinator		 College Stamp		 Principal	

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-V, HISTORY IV and DESIGN V

WVPS's College of Architecture, Nashik
THIRD YEAR B. ARCH. (2018-19)

SEM I Div B

Co-ordinator: Ar.Abhishek Nasikakar

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM V (L)	DESIGN V (L)	WD II (L)	HIST IV (L)	TOS V (L)
TEACHER	AP / PS	MJ / NM / GP / PA	AN / TT	RR	AT
8.45 - 9.30	BTM V (L)	DESIGN V (L)	WD II (L)	HIST IV (L)	TOS V (S)
TEACHER	AP / PS	MJ / NM / GP / PA	AN / TT	RR	AT
9.30 - 10.15	BTM V (L)	DESIGN V (L)	WD II (S)	HIST IV (S)	TOS V (S)
TEACHER	AP / PS	MJ / NM / GP / PA	AN / TT	RR	AT
10.15 - 11.00	BTM V (S)	DESIGN V (S)	WD II (S)	HIST IV (S)*	DESIGN V (S)
TEACHER	AP / PS	MJ / NM / GP / PA	AN / TT	RR	MJ / NM / GP / PA
11.00 - 11.30 B R E A K					
11.30 - 12.15	BTM V (S)	DESIGN V (S)	BS III (L)	LA I (L)	DESIGN V (S)
TEACHER	AP / PS	MJ / NM / GP / PA	HT / TT	PS / HT	MJ / NM / GP / PA
12.15 - 1.00	BTM V (S)	DESIGN V (S)	BS III (L)	LA I (S)	DESIGN V (S)
TEACHER	AP / PS	MJ / NM / GP / PA	HT / TT	PS / HT	MJ / NM / GP / PA
1.00 - 1.45	BTM V (S)	DESIGN V (S)	BS III (S)	LA I (S)	DESIGN V (S)
TEACHER	AP / PS	MJ / NM / GP / PA	HT / TT	PS / HT	MJ / NM / GP / PA
1.45 - 2.30	BTM V (S)*	DESIGN V (S)	BS III (S)	LA I (S)	DESIGN V (S)*
TEACHER	AP / PS	MJ / NM / GP / PA	HT / TT	PS / HT	MJ / NM / GP / PA

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, AP- Ankita Pathre, GP-Geetanjali Patil, PS- Purva Shah, MJ-Meghana Joshi, KK- Kiran Kadam, HT- Hemant Thakare, NM - Nandan Malani, RB- Rachana Bhargav, TT- Tejashree Thangaonkar, RR- Rama Raghavan

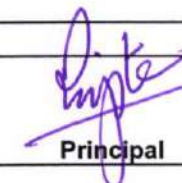
VISITING FACULTY: PA - Parag Adanwala



IQAC Coordinator



College Stamp



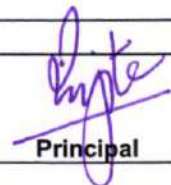

Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-V, HISTORY IV and DESIGN V

MVPS's College of Architecture, Nashik
FOURTH YEAR B. ARCH. (2018-19)

SEM I

Co-ordinator: Ar. Abhishek Nasikakar

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	RIA I (L)	DESIGN VII (L)	QSE I (L)	ABTS I (L)	US I (L)
TEACHER	PB / HT	AN / SP / AC / SM	UH	UH / RB	AB / MJ
8.45 - 9.30	RIA I (S)	DESIGN VII (L)	QSE I (L)	ABTS I (L)	US I (S)
TEACHER	PB / HT	AN / SP / AC / SM	UH	UH / RB	AB / MJ
9.30 - 10.15	RIA I (S)	DESIGN VII (L)	QSE I (S)	ABTS I (L)	US I (S) *
TEACHER	PB / HT	AN / SP / AC / SM	UH	UH / RB	AB / MJ
10.15 - 11.00	PP I (L)	DESIGN VII (S)	Electives (L)	ABTS I (S)	DESIGN VII (S)
TEACHER	AB	AN / SP / AC / SM	KJ / RR / PS	UH / RB	AN / SP / AC / SM
11.00 - 11.30	B R E A K				
11.30 - 12.15	PP I (S)	DESIGN VII (S)	Electives (S)	ABTS I (S)	DESIGN VII (S)
TEACHER	AB	AN / SP / AC / SM	KJ / RR / PS	UH / RB	AN / SP / AC / SM
12.15 - 1.00	PP I (S)	DESIGN VII (S)	SW I (L)	ABTS I (S)	DESIGN VII (S)
TEACHER	AB	AN / SP / AC / SM	AN	UH / RB	AN / SP / AC / SM
1.00 - 1.45	Institute Phil.	DESIGN VII (S)	SW I (S)	ABTS I (S)	DESIGN VII (S)
TEACHER	GA / KK	AN / SP / AC / SM	AN	UH / RB	AN / SP / AC / SM
1.45 - 2.30	Institute Phil.	DESIGN VII (S)	SW I (S)	ABTS I (S) *	DESIGN VII (S) *
TEACHER	GA / KK	AN / SP / AC / SM	AN	UH / RB	AN / SP / AC / SM
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy. CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, UH- Umesh Hirawe, AN- Abhishek Nasikakar, GA - Gaurav Arbooj, KK- Kiran Kadam, KJ - Ketaki Joshi, RR - Rama Raghavan, RB -Rachana Bhargav, MJ - Meghana Joshi, VISITING FACULTY : SM - Sanjay Mistri, AC- Amol Chaudhari, NN- Nitin Nikam, SP - Satish Pawar					
 IQAC Coordinator		 College Stamp		 Principal	

Institute Philosophy lectures are given in Teaching Load additionally in subject of ABTS I, PP I, US I and DESIGN VII

M.V.P. SAMAJ'S COLLEGE OF ARCHITECTURE, NASHIK

Academic Year - 2018-19		Teaching Load										Semester - I
	Faculty	Monday		Tuesday		Wednesday		Thursday		Friday		Total
	Name	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Hrs.
1	Prajakta Baste	3	-	-	-	-	3	-	-	-	-	6
2	Arpita Bhatt	1	2	4	4	-	-	4	3	2	3	23
3	Suruchi Randive	4	3	4	4	-	4	3	-	3	-	25
4	Umesh Hirve	1	4	1	4	3	-	4	3	1	4	25
5	Ashish Khemnar	Leave for Post Graduation										
6	Geetanjali Patil	-	-	4	4	4	-	4	3	1	3	23
7	Abhishek Nasikakar	4	3	4	4	4	3	-	-	1	3	26
8	Ketaki Joshi	4	3	1	4	1	1	1	4	1	4	24
9	Purva Shah	4	3	4	4	1	1	3	4	3	-	27
10	Nandan Malani	4	3	4	4	-	3	-	4	1	3	26
11	Ankita Pathare	4	3	1	4	-	-	4	4	1	4	25
12	Hemant Thakare	4	4	4	4	-	4	-	4	3	-	27
13	Sharmishtha Surajiwale	-	-	1	4	4	3	4	3	1	4	24
14	Kiran Kadam	4	4	4	4	-	-	1	4	3	-	24
15	Gaurav Arbooj	4	4	4	4	-	-	1	4	3	-	24
16	Niketa Kothavale	1	4	4	4	-	-	4	3	3	-	23
17	Rama Raghwan	4	3	4	4	1	1	3	-	1	3	24
18	Meghna Joshi	4	3	4	4	4	-	-	-	3	3	25
19	Tejashree Thangaonkar	-	-	1	4	4	4	4	3	1	4	25
20	Juie Sabnis	-	-	4	4	4	3	1	4	3	-	23
21	Rachana Bhargav	3	-	1	4	4	-	4	3	1	4	24
22	Anil Thomare	3	-	3	-	-	-	-	-	3	3	12
23	Sankalp Bagul	-	-	-	-	2	-	-	-	3	-	5
24	Suhas Datrange	-	-	-	-	2	1	-	-	-	-	3

[Signature]

IQAC Coordinator



College Stamp

[Signature]

Principal

IVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2018-19)
 Co-ordinator: Ar. Ketaki Joshi


SEM II Div A


TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM II (L)	TOS II (L)	HIST OF ARCH I (L)	CLIMATOLOGY (L)	SKETCHING (S)*
TEACHER	KJ / AN / NM / GA	AT	PB	KJ	SB + Design Team
8.45 - 9.30	BTM II (L)	TOS II (S)	HIST OF ARCH I (L)	CLIMATOLOGY (L)	SKETCHING (S)*
TEACHER	KJ / AN / NM / GA	AT	PB	KJ	SB + Design Team
9.30 - 10.15	BTM II (L)	TOS II (S)	HIST OF ARCH I (S)	CLIMATOLOGY (S)	SKETCHING (S)
TEACHER	KJ / AN / NM / GA	AT	PB	KJ	SB + Design Team
10.15 - 11.00	BTM II (S)	DESIGN II (L)	SKETCHING (L)*	ADG II (L)	DESIGN II (S)
TEACHER	KJ / AN / NM / GA	UH / KJ / SS / RD	SB	KJ / GA	UH / KJ / SS / RD
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM II (S)	DESIGN II (L)	SKETCHING (L)*	ADG II (L)	DESIGN II (S)
TEACHER	KJ / AN / NM / GA	UH / KJ / SS / RD	SB	KJ / GA	UH / KJ / SS / RD
12.15 - 1.00	BTM II (S)	DESIGN II (L)	WORKSHOP II (L)	ADG II (S)	DESIGN II (S)
TEACHER	KJ / AN / NM / GA	UH / KJ / SS / RD	SD / MR	KJ / GA	UH / KJ / SS / RD
1.00 - 1.45	BTM II (S)	DESIGN II (S)	WORKSHOP II (S)	ADG II (S)	DESIGN II (S)
TEACHER	KJ / AN / NM / GA	UH / KJ / SS / RD	SD / MR	KJ / GA	UH / KJ / SS / RD
1.45 - 2.30	BTM II (S)*	DESIGN II (S)	WORKSHOP II (S)	ADG II (S)	DESIGN II (S)
TEACHER	KJ / AN / NM / GA	UH / KJ / SS / RD	SD / MR	KJ / GA	UH / KJ / SS / RD

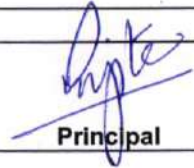
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, UH- Umesh Hirawe, AN- Abhishek Nasikakar, KJ - Ketaki Joshi, NM - Nandan Malani, SS - Sharmishta Surajiwale, AP - Ankita Pathare, AT- Anil Thombare, SB- Sankalp Bagul, SD - Suhas Datranga, PS- Purva Shah, MJ- Meghana Joshi, MR- Manisha Rajole

VISITING FACULTY : RD - Ronak Dodecha


IQAC Coordinator


College Stamp


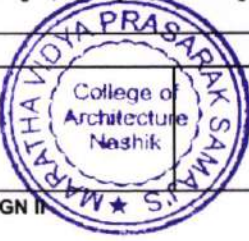
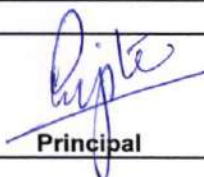

Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM II, ADG II and DESIGN II

MVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2018-19)

SEM II Div B

Co-ordinator: Ar. Ankita Pathare

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM II (L)	CLIMATOLOGY (L)	WORKSHOP II (L)	TOS II (L)	SKETCHING (S)*
TEACHER	KK / MJ / YK / BM	AP	SD	AT	SB + Design Team
8.45 - 9.30	BTM II (L)	CLIMATOLOGY (L)	WORKSHOP II (S)	TOS II (S)	SKETCHING (S)*
TEACHER	KK / MJ / YK / BM	AP	SD	AT	SB + Design Team
9.30 - 10.15	BTM II (L)	CLIMATOLOGY (S)	WORKSHOP II (S)	TOS II (S)	SKETCHING/DESIGN II (S)*
TEACHER	KK / MJ / YK / BM	AP	SD	AT	SB
10.15 - 11.00	BTM II (S)	DESIGN II (L)	SKETCHING (S)*	ADG II (L)	DESIGN II (S)
TEACHER	KK / MJ / YK / BM	AP / TT / RB / BM	SB	AP / KK / NK	AP / TT / RB / BM
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM II (S)	DESIGN II (L)	SKETCHING (S)*	ADG II (L)	DESIGN II (S)
TEACHER	KK / MJ / YK / BM	AP / TT / RB / BM	SB	AP / KK / NK	AP / TT / RB / BM
12.15 - 1.00	BTM II (S)	DESIGN II (L)	HIST OF ARCH I (L)	ADG II (S)	DESIGN II (S)
TEACHER	KK / MJ / YK / BM	AP / TT / RB / BM	JS / KK	AP / KK / NK	AP / TT / RB / BM
1.00 - 1.45	BTM II (S)	DESIGN II (S)	HIST OF ARCH I (L)	ADG II (S)	DESIGN II (S)
TEACHER	KK / MJ / YK / BM	AP / TT / RB / BM	JS / KK	AP / KK / NK	AP / TT / RB / BM
1.45 - 2.30	BTM II (S)*	DESIGN II (S)	HIST OF ARCH I (S)	ADG-II (S)	DESIGN II (S)
TEACHER	KK / MJ / YK / BM	AP / TT / RB / BM	JS / KK	AP / KK / NK	AP / TT / RB / BM
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.					
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, AN- Ankita Pathare, KK- Kiran Kadam, RB- Rachana Bhargav, TT- Tejashree Thangaonkar, BM- Bhushan Mantri, AT- Anil Thombare, SB- Sankalp Bagul, SD - Suhas Datrang, JS- Jui Sabnis.					
VISITING FACULTY : YK - Yogita Kulkarni					
 IQAC Coordinator		 College Stamp		 Principal	

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM II, ADG II and DESIGN II

MVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2018-19)
 Co-ordinator: Ar. Sharmishtha Surajiwale

SEM II Div A

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	WD I (L)	DESIGN IV (L)	BS II (L)	BTM IV (L)	TOS IV (L)
TEACHER	UH / TT / JS / MR	SR / GA / NK / YN	SS	AB / SS / MR	AT
8.45 - 9.30	WD I (L)	DESIGN IV (L)	BS II (L)	BTM IV (L)	TOS IV (S)
TEACHER	UH / TT / JS / MR	SR / GA / NK / YN	SS	AB / SS / MR	AT
9.30 - 10.15	WD I (S)	DESIGN IV (L)	BS II (S)	BTM IV (L)	TOS IV (S)
TEACHER	UH / TT / JS / MR	SR / GA / NK / YN	SS	AB / SS / MR	AT
10.15 - 11.00	WD I (S)	DESIGN IV (S)	BS II (S)	BTM IV (S)	DESIGN IV (S)
TEACHER	UH / TT / JS / MR	SR / GA / NK / YN	SS	AB / SS / MR	SR / GA / NK / YN
11.00 - 11.30	B R E A K				
11.30 - 12.15	WD I (S)	DESIGN IV (S)	HIST III (L)	BTM IV (S)	DESIGN IV (S)
TEACHER	UH / TT / JS / MR	SR / GA / NK / YN	NM	AB / SS / MR	SR / GA / NK / YN
12.15 - 1.00	TC (L)	DESIGN IV (S)	HIST III (L)	BTM IV (S)	DESIGN IV (S)
TEACHER	HT	SR / GA / NK / YN	NM	AB / SS / MR	SR / GA / NK / YN
1.00 - 1.45	TC (S)	DESIGN IV (S)	HIST III (S)	BTM IV (S)	DESIGN IV (S)*
TEACHER	HT	SR / GA / NK / YN	NM	AB / SS / MR	SR / GA / NK / YN
1.45 - 2.30	TC (S)	DESIGN IV (S)	HIST III (S)*	BTM IV (S)*	DESIGN IV (S)*
TEACHER	HT	SR / GA / NK / YN	NM	AB / SS / MR	SR / GA / NK / YN

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, SR- Suruchi Ranadive, UH- Umesh Hirawe, HT- Hemant Thombare, SS- Sharmishtha Surajiwale, NM - Nandan Malani, GA- Gaurav Arbooj, NK- Niketa Kothavle, TT- Tejashree Thangaonkar, MR- Manisha Rajole, AT- Anil Thombare.

VISITING FACULTY : YN - Yusuf Nasikwala

 IQAC Coordinator	 College Stamp	 Principal
--	---	---

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM IV, HISTORY III and DESIGN IV.

MVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2018-19)

SEM II Div B

Co-ordinator: Ar. Purva Shah

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BS II (L)	DESIGN IV (L)	TOS IV (L)	BTM IV (L)	HIST III (L)
TEACHER	GP	PS / HT / KK / JS	AT	GP / TT	SS
8.45 - 9.30	BS II (L)	DESIGN IV (L)	TOS IV (S)	BTM IV (L)	HIST III (L)
TEACHER	GP	PS / HT / KK / JS	AT	GP / TT	SS
9.30 - 10.15	BS II (S)	DESIGN IV (L)	TOS IV (S)	BTM IV (L)	HIST III (L)
TEACHER	GP	PS / HT / KK / JS	AT	GP / TT	SS
10.15 - 11.00	BS II (S)	DESIGN IV (S)	WD II (L)	BTM IV (S)	DESIGN IV (S)
TEACHER	GP	PS / HT / KK / JS	HT / MJ / RB / NK	GP / TT	PS / HT / KK / JS
11.00 - 11.30	B R E A K				
11.30 - 12.15	BS II (S)*	DESIGN IV (S)	WD I (L)	BTM IV (S)	DESIGN IV (S)
TEACHER	GP	PS / HT / KK / JS	HT / MJ / RB / NK	GP / TT	PS / HT / KK / JS
12.15 - 1.00	TC (L)	DESIGN IV (S)	WD I (S)	BTM IV (S)	DESIGN IV (S)
TEACHER	JS	PS / HT / KK / JS	HT / MJ / RB / NK	GP / TT	PS / HT / KK / JS
1.00 - 1.45	TC (S)	DESIGN IV (S)	WD I (S)	BTM IV (S)	DESIGN IV (S)*
TEACHER	JS	PS / HT / KK / JS	HT / MJ / RB / NK	GP / TT	PS / HT / KK / JS
1.45 - 2.30	TC (S)	DESIGN IV (S)	WD I (S)	BTM IV (S)*	DESIGN IV (S)*
TEACHER	JS	PS / HT / KK / JS	HT / MJ / RB / NK	GP / TT	PS / HT / KK / JS

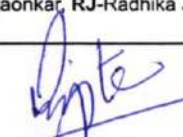
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatta, PS- Purva Shah, KK- Kiran Kadam, HT- Hemant Thakre, RB- Rachana Bhargava, TJ- Tejashree Thangaonkar, RJ- Radhika Jhavar, AT- Anil Thomare, SB- Sankalp Bagul, JS- Jui Sabnis.


IQAC Coordinator

College Stamp




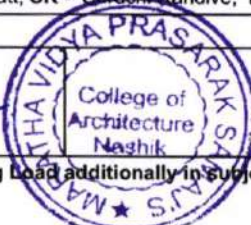
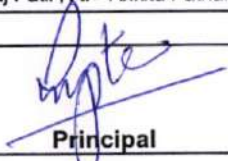

Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM IV, HISTORY III and DESIGN IV

MVPS's College of Architecture, Nashik
THIRD YEAR B. ARCH. (2018-19)

Co-ordinator: Ar. Suruchi Randive

SEM II Div A

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM VI (L)	DESIGN V (L)	BS IV (L)	CONT. ARCH (L)	ELECTIVES I (L)
TEACHER	SR / RR	AB / RR / NM / VV	SR / TT / MR	SR	PS / NK
8.45 - 9.30	BTM VI (L)	DESIGN V (L)	BS IV (L)	CONT. ARCH (L)	ELECTIVES I (S)
TEACHER	SR / RR	AB / RR / NM / VV	SR / TT / MR	SR	PS / NK
9.30 - 10.15	BTM VI (L)	DESIGN V (L)	BS IV (S)	CONT. ARCH (S)	ELECTIVES I (S)
TEACHER	SR / RR	AB / RR / NM / VV	SR / TT / MR	SR	PS / NK
10.15 - 11.00	BTM VI (L)	DESIGN V (S)	BS IV (S)	CONT. ARCH (S)*	ELECTIVES I (S)*
TEACHER	SR / RR	AB / RR / NM / VV	SR / TT / MR	SR	PS / NK
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM VI (S)	DESIGN V (S)	BS IV (S)*	LA II (L)	DESIGN VI (S)
TEACHER	SR / RR	AB / RR / NM / VV	SR / TT / MR	NM / BM	AB / RR / NM / VV
12.15 - 1.00	BTM VI (S)	DESIGN V (S)	TOS VI (L)	LA II (L)	DESIGN VI (S)
TEACHER	SR / RR	AB / RR / NM / VV	AT	NM / BM	AB / RR / NM / VV
1.00 - 1.45	BTM VI (S)	DESIGN V (S)	TOS VI (S)	LA II (S)	DESIGN VI (S)
TEACHER	SR / RR	AB / RR / NM / VV	AT	NM / BM	AB / RR / NM / VV
1.45 - 2.30	BTM VI (S) *	DESIGN V (S)	TOS VI (S)*	LA II (S)	DESIGN VI (S)*
TEACHER	SR / RR	AB / RR / NM / VV	AT	NM / BM	AB / RR / NM / VV
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.					
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, SR - Suruchi Randive, NM - Nandan Malani, MR - Manisha Rajole, AT- Anil Thombare, PP - Pankaj Patil, AP- Ankita Pathare.					
VISITING FACULTY : MS - Mahesh Shirke					
 IQAC Coordinator			 College Stamp		 Principal

Institute Philosophy lectures are given in Teaching Load additionally in Subject of BTM VI, BS IV, TOS V and DESIGN VI

MVPS's College of Architecture, Nashik

THIRD YEAR B. ARCH. (2018-19)

SEM II Div B

Co-ordinator: Ar. Abhishek Nasikakar

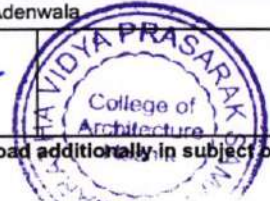
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM VI (L)	DESIGN VI (L)	LA II (L)	BS IV (L)	ELECTIVES I (L)
TEACHER	PS / AP	GP / MJ / RG / PA	HT / PS	HT / RR	GP / BM
8.45 - 9.30	BTM VI (L)	DESIGN VI (L)	LA II (S)	BS IV (L)	ELECTIVES I (L)
TEACHER	PS / AP	GP / MJ / RG / PA	HT / PS	HT / RR	GP / BM
9.30 - 10.15	BTM VI (L)	DESIGN VI (L)	LA II (S)	BS IV (S)	ELECTIVES I (S)
TEACHER	PS / AP	GP / MJ / RG / PA	HT / PS	HT / RR	GP / BM
10.15 - 11.00	BTM VI (S)	DESIGN VI (S)	LA II (S)	BS IV (S)	ELECTIVES I (S)*
TEACHER	PS / AP	GP / MJ / RG / PA	PS	HT / RR	GP / BM
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM VI (S)	DESIGN VI (S)	CONT. ARCH (L)	BS IV (S)*	DESIGN VI (S)
TEACHER	PS / AP	GP / MJ / RG / PA	RR	HT / RR	GP / MJ / RG / PA
12.15 - 1.00	BTM VI (S)	DESIGN VI (S)	CONT. ARCH (L)	TOS VI (L)	DESIGN VI (S)
TEACHER	PS / AP	GP / MJ / RG / PA	RR	AT	GP / MJ / RG / PA
1.00 - 1.45	BTM VI (S)	DESIGN VI (S)	CONT. ARCH (S)	TOS VI (S)	DESIGN VI (S)
TEACHER	PS / AP	GP / MJ / RG / PA	RR	AT	GP / MJ / RG / PA
1.45 - 2.30	BTM VI (S) *	DESIGN VI (S)	CONT. ARCH (S)*	TOS VI (S)	DESIGN VI (S)*
TEACHER	PS / AP	GP / MJ / RG / PA	RR	AT	GP / MJ / RG / PA

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

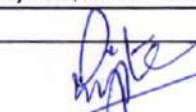
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, SR - Suruchi Randive, NM - Nandan Malani, MR - Manisha Rajole, AT- Anil Thombare, PP - Pankaj Patil , AP- Ankita Pathare.

VISITING FACULTY : RG - Rajesh Gaikwad, PA- Parag Adenwala


IQAC Coordinator



College Stamp


Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM VI, BS IV, TOS V and DESIGN VI

MVPS's College of Architecture, Nashik
FOURTH YEAR B. ARCH. (2018-19)

SEM II

Co-ordinator: Ar. Abhishek Nasikakar

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	RIA II (L)	DESIGN VIII (L)	US II (L)	ABTS II (L)	QSE II (L)
TEACHER	PB / RD / HT	AN / AC / SM / SP	AB / RB / MJ	UH / RB	UH
8.45 - 9.30	RIA II (S)	DESIGN VIII (L)	US II (S)	ABTS II (L)	QSE II (S)
TEACHER	PB / RD / HT	AN / AC / SM / SP	AB / RB / MJ	UH / RB	UH
9.30 - 10.15	RIA II (S)	DESIGN VIII (L)	US II (S)	ABTS II (L)	QSE II (S)
TEACHER	PB / RD / HT	AN / AC / SM / SP	AB / RB / MJ	UH / RB	UH
10.15 - 11.00	RIA II (S)*	DESIGN VIII (S)	ELECTIVES III (L)	ABTS II (S)	DESIGN VIII (S)
TEACHER	PB / RD / HT	AN / AC / SM / SP	AN / GA / KJ	UH / RB	AN / AC / SM / SP
11.00 - 11.30	B R E A K				
11.30 - 12.15	PP II (L)	DESIGN VIII (S)	ELECTIVES III (S)	ABTS II (S)	DESIGN VIII (S)
TEACHER	AB	AN / AC / SM / SP	AN / GA / KJ	UH / RB	AN / AC / SM / SP
12.15 - 1.00	PP II (S)	DESIGN VIII (S)	SW II (L)	ABTS II (S)	DESIGN VIII (S)
TEACHER	AB	AN / AC / SM / SP	AN	UH / RB	AN / AC / SM / SP
1.00 - 1.45	PP II (S)	DESIGN VIII (S)	SW II (S)	ABTS II (S)	DESIGN VIII (S)
TEACHER	AB	AN / AC / SM / SP	AN	UH / RB	AN / AC / SM / SP
1.45 - 2.30	PP II (S)*	DESIGN VIII (S)	SW II (S)	ABTS II (S) *	DESIGN VIII (S)*
TEACHER	AB	AN / AC / SM / SP	AN	UH / RB	AN / AC / SM / SP

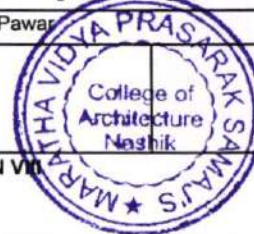
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

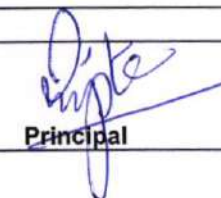
CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, UH- Umesh Hirawe, AN- Abhishek Nasikakar, RB- Rachana Bhargav, MJ- Meghan Joshi

VISITING FACULTY : RD - Roank Dodecha, SM - Sanjay Mistri, AC- Amol Chaudhari, NN- Nitin Nikam, SP - Satish Pawar


IQAC Coordinator

College Stamp




Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of RIA II, ABTS II and DESIGN VIII

M.V.P.S.'s College of Architecture, Nashik
FIFTH YEAR B. ARCH. (2018-19 SEM II)

Co-ordinator: Dr. Prajakta Baste

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	Allied Elective (L)	Arch. Project Part II (L)	-	Arch. Project Part II (S)	Management Elective (L)
TEACHER	RB	PB / DB / RD / AK / MP / NP		PB / DB / RD / AK / MP / NP	MR
8.45 - 9.30	Allied Elective (S)	Arch. Project Part II (L)	-	Arch. Project Part II (S)	Management Elective (S)
TEACHER	RB	PB / DB / RD / AK / MP / NP		PB / DB / RD / AK / MP / NP	MR
9.30 - 10.15	-	Arch. Project Part II (S)	-	Arch. Project Part II (S)	-
TEACHER		PB / DB / RD / AK / MP / NP		PB / DB / RD / AK / MP / NP	
10.15 - 11.00	-	Arch. Project Part II (S)	-	Arch. Project Part II (S)	-
TEACHER		PB / DB / RD / AK / MP / NP		PB / DB / RD / AK / MP / NP	
11.00 - 11.30	B R E A K				
11.30 - 12.15	-	Arch. Project Part II (S)	-	Arch. Project Part II (S)	-
TEACHER		PB / DB / RD / AK / MP / NP		PB / DB / RD / AK / MP / NP	
12.15 - 1.00	-	Arch. Project Part II (S)	-	Arch. Project Part II (S)	-
TEACHER		PB / DB / RD / AK / MP / NP		PB / DB / RD / AK / MP / NP	
1.00 - 1.45	-	Institute Philosophy	-	-	-
TEACHER		PB			
1.45 - 2.30	-	Institute Philosophy	-	-	-
TEACHER		PB			

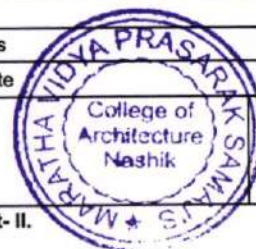
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB- Arpita Bhatt, UH- Umesh Hirawe, MR- Manisha Rajole, JS - Juie Sabnis

VISITING FACULTY : - MP - Mukul Patil, DB - Deep Bhagvat, RD- Rohan Deore, NP- Nitin Patel, AK - Apeksha Kute

[Signature]

IQAC Coordinator



College Stamp

[Signature]

Principal

Institute Philosophy lectures are given in Teaching Load additionally in Subject of Architectural Project Part- II.

M.V.P. SAMAJ'S COLLEGE OF ARCHITECTURE, NASHIK

Academic Year - 2018-19		Teaching Load										Semester - II
	Faculty Name	Monday		Tuesday		Wednesday		Thursday		Friday		Total Hrs.
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	
1	Prajakta Baste	3	-	4	4	3	-	4	2	-	-	20
2	Arpita Bhatt	-	3	4	4	3	-	4	3	-	3	24
3	Suruchi Randive	4	3	4	4	4	-	3	-	1	2	25
4	Umesh Hirve	4	1	1	4	-	-	4	3	4	4	25
5	Ashish Khemnar	Leave for Post Graduation										
6	Geetanjali Patil	4	-	4	4	-	-	4	3	3	3	25
7	Abhishek Nasikakar	4	3	4	4	1	4	-	-	1	3	24
8	Bhushan Mantri	4	3	1	4	-	-	-	4	4	4	24
9	Ketaki Joshi	4	3	1	4	1	1	4	4	1	4	27
10	Purva Shah	4	3	4	4	4	-	-	-	4	4	27
11	Nandan Malani	4	3	4	4	-	3	-	4	-	3	25
12	Ankita Pathare	4	3	4	4	-	-	1	4	1	4	25
13	Hemant Thakare	3	3	4	4	4	4	4	-	1	2	29
14	Sharmishtha Surajiwale	-	-	1	4	4	-	4	3	4	4	24
15	Kiran Kadam	4	3	4	4	-	3	1	4	1	2	26
16	Gaurav Arbooj	4	3	4	4	1	1	1	4	1	2	25
17	Niketa Kothavale	-	-	4	4	1	4	1	4	4	2	24
18	Rama Raghwan	4	3	4	4	-	3	4	-	-	3	25
19	Meghna Joshi	4	3	4	4	1	4	-	-	-	3	23
20	Tejashree Thangaonkar	4	1	1	4	4		4	3	1	4	26
21	Juie Sabnis	4	4	4	4	-	3	-	-	1	2	22
22	Rachana Bhargav	2	-	1	4	4	4	4	3	1	4	27
23	Manisha Rajole	4	1	-	-	4	3	4	3	-	-	19
24	Anil Thomare	-	-	3	-	3	2	3	3	3	-	17
25	Sankalp Bagul	-	-	-	-	1	1	-	-	3	-	5
26	Suhas Datrang	-	-	-	-	3	3	-	-	-	-	6

[Signature]

IQAC Coordinator



College Stamp

[Signature]

Principal



M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

D) Institute Time Table and Teachers Teaching Loads

4. AY- 2017-2018

- Time Table -Sem-I & SEM-II
- Teachers Teaching Load



IVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2017-18)
 Co-ordinator: Ar. Ketaki Joshi

SEM I Div A

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM I (L)	TOS I (L)	SKETCHING / ADG I (S)*	ITA (L)	SKETCHING / DESIGN I (L)*
TEACHER	AN / KJ / SS / MJ / NM / RJ	AT / RJ	SB / SD + ADG Team	PS	SB +DESIGN Team
8.45 - 9.30	BTM I (L)	TOS I (S)	SKETCHING / ADG I (S)*	ITA (L)	SKETCHING / DESIGN I (S)*
TEACHER	AN / KJ / SS / MJ / NM / RJ	AT / RJ	SB / SD + ADG Team	PS	SB +DESIGN Team
9.30 - 10.15	BTM I (L)	TOS I (S)	WORKSHOP (L)	ITA (S)	SKETCHING / DESIGN I (S)*
TEACHER	AN / KJ / SS / MJ / NM / RJ	AT / RJ	SD/ JC/ RA / Taj	PS	SB +DESIGN Team
10.15 - 11.00	BTM I (S)	DESIGN I (L)	WORKSHOP (L)	ADG I (L)	DESIGN I (S)
TEACHER	AN / KJ / SS / MJ / NM / RJ	UH / SS / KJ / RD / TT	SD/ JC/ RA / Taj	AN /PS / SS / KJ / SB / RJ	UH / SS / KJ / RD / TT
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM I (S)	DESIGN I (L)	WORKSHOP (S)	ADG I (L)	DESIGN I (S)
TEACHER	AN / KJ / SS / MJ / NM / RJ	UH / SS / KJ / RD / TT	SD/ JC/ RA / Taj	AN /PS / SS / KJ / SB / RJ	UH / SS / KJ / RD / TT
12.15 - 1.00	BTM I (S)	DESIGN I (L)	HUMANITIES (L)	ADG I (S)	DESIGN I (S)
TEACHER	AN / KJ / SS / MJ / NM / RJ	UH / SS / KJ / RD / TT	PB / RJ	AN /PS / SS / KJ / SB / RJ	UH / SS / KJ / RD / TT
1.00 - 1.45	BTM I (S)	DESIGN I (S)	HUMANITIES (L)	ADG I (S)	DESIGN I (S)
TEACHER	AN / KJ / SS / MJ / NM / RJ	UH / SS / KJ / RD / TT	PB / RJ	AN /PS / SS / KJ / SB / RJ	UH / SS / KJ / RD / TT
1.45 - 2.30	BTM I (S)*	DESIGN I (S)	HUMANITIES (S)	ADG I (S)	DESIGN I (S)
TEACHER	AN / KJ / SS / MJ / NM / RJ	UH / SS / KJ / RD / TT	PB / RJ	AN /PS / SS / KJ / SB / RJ	UH / SS / KJ / RD / TT

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB - Arpita Bhatt, SR- Suruchi Randive UH- Umesh Hirawe, AN- Abhishek Nasikakar, HT - Hemant Thakare, RB - Rachana Bhargav, NM- Nandan Malani, PS- Purva Shah, KJ- Ketaki Joshi, JC- Jigar Chawda, SS- Sharmishtha Surajiwale, MJ- Meghana Joshi, TT- Tejashree Thangaonkar, RJ- Radhika Jhavar.

Allied Faculty: SB - Sankalp Bagul, SD- Suhas Datrange

Visiting Faculty: RD - Ronak Dodecha

 ADC Chairperson	 College Stamp	 Principal
---	---	---

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM I, ADG I & DESIGN I

MVPS.'s College of Architecture, Nashik
FIRST YEAR B. ARCH. (2017-18)

SEM I Div B

Co-ordinator: Ar. Ankita Pathare

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM I (L)	ITA (L)	SKETCHING / ADG I (S)	TOS (L)	SKETCHING / DESIGN I (L)*
TEACHER	AP / GA / KK / YK / JS	AP	SB/SD + ADG Team	AT	SB + Design Team
8.45 - 9.30	BTM I (L)	ITA (L)	SKETCHING / ADG I (S)	TOS (S)	SKETCHING / DESIGN I (S)*
TEACHER	AP / GA / KK / YK / JS	AP	SB/SD + ADG Team	AT	SB + Design Team
9.30 - 10.15	BTM I (L)	ITA (S)	WORKSHOP (L)	TOS (S)	SKETCHING / DESIGN I (S)*
TEACHER	AP / GA / KK / YK / JS	AP	SW / RA / Taj / Dat	AT	SB + Design Team
10.15 - 11.00	BTM I (S)	DESIGN I (L)	WORKSHOP (S)	ADG I (L)	DESIGN I (S)
TEACHER	AP / GA / KK / YK / JS	GP/SW/AP/ N.Kar	SW / RA / Taj / Dat	AP / GA / KK	GP/SW/AP/ N.Kar
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM I (S)	DESIGN I (L)	WORKSHOP (S)	ADG I (L)	DESIGN I (S)
TEACHER	AP / GA / KK / YK / JS	GP/SW/AP/ N.Kar	SW / RA / Taj / Dat	AP / GA / KK	GP/SW/AP/ N.Kar
12.15 - 1.00	BTM I (S)	DESIGN I (L)	HUMANITIES (L)	ADG I (S)	DESIGN I (S)
TEACHER	AP / GA / KK / YK / JS	GP/SW/AP/ N.Kar	JS	AP / GA / KK	GP/SW/AP/ N.Kar
1.00 - 1.45	BTM I (S)	DESIGN I (S)	HUMANITIES (L)	ADG I (S)	DESIGN I (S)
TEACHER	AP / GA / KK / YK / JS	GP/SW/AP/ N.Kar	JS	AP / GA / KK	GP/SW/AP/ N.Kar
1.45 - 2.30	BTM I (S)*	DESIGN I (S)	HUMANITIES (S)	ADG I (S)	DESIGN I (S)
TEACHER	AP / GA / KK / YK / JS	GP/SW/AP/ N.Kar	JS	AP / GA / KK	GP/SW/AP/ N.Kar

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, GP-Geetanjali Patil, AP- Ankita Pathare, SW- Sachin Wagh, GA - Gaurav Arbooi, KK- Kiran Kadam, NK-Niketa Kothavale, JS- Juie Sabnis, AT- Anil Thombare, SB - Sankalp Bagul,

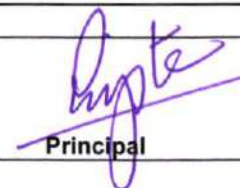
VISITING FACULTY : NKar - Nishta Karkhanis, YK- Yogita Kulkarni, SD- Suhas Datrange.



ADC Chairperson



College Stamp



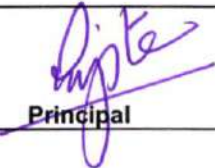


Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM I, ADG I & DESIGN I

MVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2017-18)
 Co-ordinator: Ar. Purva Shah

SEM I Div A

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	TOS III (L)	DESIGN III (L)	BS I (L)	BTM III (L)	DESIGN III (S)
TEACHER	AT / RB	SR / PS / JC / YN / HT	SS / RJ	AB / JC / TT	SR / PS / JC / YN / HT
8.45 - 9.30	TOS III (S)	DESIGN III (L)	BS I (L)	BTM III (L)	DESIGN III (S)
TEACHER	AT / RB	SR / PS / JC / YN / HT	SS / RJ	AB / JC / TT	SR / PS / JC / YN / HT
9.30 - 10.15	TOS III (S)	DESIGN III (L)	BS I (S)	BTM III (L)	DESIGN III (S)
TEACHER	AT / RB	SR / PS / JC / YN / HT	SS / RJ	AB / JC / TT	SR / PS / JC / YN / HT
10.15 - 11.00	ADG III (L)	DESIGN III (S)	BS I (S)	BTM III (S)	DESIGN III (S)*
TEACHER	HT	SR / PS / JC / YN / HT	SS / RJ	AB / JC / TT	SR / PS / JC / YN / HT
11.00 - 11.30	B R E A K				
11.30 - 12.15	ADG III (L)	DESIGN III (S)	HIST II (L)	BTM III (S)	SL (L)
TEACHER	UH/ AK / HT	SR / PS / JC / YN / HT	NM	AB / JC / TT	JC / HT
12.15 - 1.00	ADG III (S)	DESIGN III (S)	HIST II (L)	BTM III (S)	SL (S)
TEACHER	UH/ AK / HT	SR / PS / JC / YN / HT	NM	AB / JC / TT	JC / HT
1.00 - 1.45	ADG III (S)	DESIGN III (S)	HIST II (S)	BTM III (S)	SL (S)
TEACHER	UH/ AK / HT	SR / PS / JC / YN / HT	NM	AB / JC / TT	JC / HT
1.45 - 2.30	ADG III (S)	DESIGN III (S)	HIST II (S)*	BTM III (S)*	SL (S)*
TEACHER	UH/ AK / HT	SR / PS / JC / YN / HT	NM	AB / JC / TT	JC / HT
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy. CORE FACULTY: PB- Prajakta Baste, AB - Arpita Bhatt, SR- Suruchi Randive UH- Umesh Hirawe, AK - Ashish Khemnar, AN- Abhishek Nashikkar, HT - Hemant Thakare, RB - Rachana Bhargaw, NM- Nandan Malani, PS- Purva Shah, JC- Jigar Chawda, SS- Sharmishtha Surajiwale, TT- Tejashree Thangaonkar, RJ- Radhika Jhawar, AT- Anil Thombare, Allied Faculty: SB - Sankalp Bagul, SD- Suhas Datranga VISITING FACULTY : YN -Yusuf Nasikwala					
 ADC Chairperson			 College Stamp		 Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM III, SL & DESIGN III

AVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2017-18)

SEM I

Div B

Co-ordinator: Ar. Geetanjali Patil

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	HIST I (L)	DESIGN III (L)	BS I (L)	BTM III	DESIGN III (S)
TEACHER	GP	GA / KK / JS / NJ	GP / JS	GP / SW / NJ	GA / KK / JS / NJ
8.45 - 9.30	HIST I (L)	DESIGN III (L)	BS I (L)	BTM III	DESIGN III (S)
TEACHER	GP	GA / KK / JS / NJ	GP / JS	GP / SW / NJ	GA / KK / JS / NJ
9.30 - 10.15	HIST I (S)	DESIGN III (L)	BS I (S)	BTM III	DESIGN III (S)
TEACHER	GP	GA / KK / JS / NJ	GP / JS	GP / SW / NJ	GA / KK / JS / NJ
10.15 - 11.00	ADG II (L)	DESIGN III (S)	BS I (S)	BTM III (S)	DESIGN III (S)*
TEACHER	SW / NJ / SB	GA / KK / JS / NJ	GP / JS	GP / SW / NJ	GA / KK / JS / NJ
11.00 - 11.30	B R E A K				
11.30 - 12.15	ADG III (L)	DESIGN III (S)	SL (L)	BTM III (S)	TOS III (L)
TEACHER	SW / NJ / SB	GA / KK / JS / NJ	AT	GP / SW / NJ	AT / RB
12.15 - 1.00	ADG III (S)	DESIGN III (S)	SL (S)	BTM III (S)	TOS III (L)
TEACHER	SW / NJ / SB	GA / KK / JS / NJ	SW / AT	GP / SW / NJ	AT / RB
1.00 - 1.45	ADG III (S)	DESIGN III (S)	SL (S)	BTM III (S)	TOS III (S)
TEACHER	SW / NJ / SB	GA / KK / JS / NJ	SW / AT	GP / SW / NJ	AT / RB
1.45 - 2.30	ADG III (S)	DESIGN III (S)	SL (S)*	BTM III (S)*	TOS III (S)*
TEACHER	SW / NJ / SB	GA / KK / JS / NJ	SW / AT	GP / SW / NJ	AT / RB

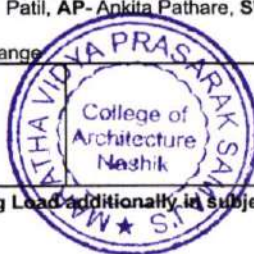
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, GP-Geetanjali Patil, AP- Ankita Pathare, SW- Sachin Wagh, GA - Gaurav Arbooj, KK- Kiran Kadam, NJ-Niketa Jadhav, JS- Juie Sabnis, AT-Anil Thombare, RB-Rachana Bhargav

Allied Faculty: SB - Sankalp Bagul, SD- Suhas Datrange



ADC Chairperson



College Stamp



Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM III, TOS III & DESIGN III



IVPS.'s College of Architecture, Nashik
THIRD YEAR B. ARCH. (2017-18) SEM I
 Co-ordinator: Ar. Abhishek Nasikakar

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM V (L)	DESIGN V (L)	WD II (L)	HA IV (L)	TOS V (L)
TEACHER	SYP / SR / PS	AN / AB / NM / PA / MJ	AK / MJ / TT / RB	SR	AT
8.45 - 9.30	BTM V (L)	DESIGN V (L)	WD II (L)	HA IV (L)	TOS V (S)
TEACHER	SYP / SR / PS	AN / AB / NM / PA / MJ	AK / MJ / TT / RB	SR	AT
9.30 - 10.15	BTM V (L)	DESIGN V (L)	WD II (S)	HA IV (S)	TOS V (S)
TEACHER	SYP / SR / PS	AN / AB / NM / PA / MJ	AK / MJ / TT / RB	SR	AT
10.15 - 11.00	BTM V (S)	DESIGN V (S)	WD II (S)	HA IV (S)*	TOS V (S)*
TEACHER	SYP / SR / PS	AN / AB / NM / PA / MJ	AK / MJ / TT / RB	SR	AT
11.00 - 11.30 B R E A K					
11.30 - 12.15	BTM V (S)	DESIGN V (S)	BS III (L)	LA I (L)	Design VI(S)
TEACHER	SYP / SR / PS	AN / AB / NM / PA / MJ	SR / RB	NM / AmP / HT	AN / AB / NM / PA / MJ
12.15 - 1.00	BTM V (S)	DESIGN V (S)	BS III (L)	LA I (S)	Design VI (S)
TEACHER	SYP / SR / PS	AN / AB / NM / PA / MJ	SR / RB	NM / AmP / HT	AN / AB / NM / PA / MJ
1.00 - 1.45	BTM V (S)	DESIGN V (S)	BS III (S)	LA I (S)	Design VI (S)
TEACHER	SYP / SR / PS	AN / AB / NM / PA / MJ	SR / RB	NM / AmP / HT	AN / AB / NM / PA / MJ
1.45 - 2.30	BTM V (S)*	DESIGN V (S)	BS III (S)	LA I (S)	Design VI (S)*
TEACHER	SYP / SR / PS	AN / AB / NM / PA / MJ	SR / RB	NM / AmP / HT	AN / AB / NM / PA / MJ

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, SYP - Sanjeev Patil, AmP- Amruta Pawar, AB - Arpita Bhatt, SR- Suruchi Randive, UH- Umesh Hirawe, AK - Ashish Khemnar, AN- Abhishek Nasikakar, HT - Hemant Thakare, RB - Rachana Bhargaw, NM- Nandan Malani, PS- Purva Shah, KJ- Ketki Joshi, JC- Jigar Chawda, MT- Meghana Joshi, TT- Tejashree Thangaonkar,
Allied Faculty: AT- Anil Thombare, SB - Sankalp Bagul, SD- Suhas Datrang.

VISITING FACULTY : PA- Parag Adenwala,

 ADC Chairperson	 College Stamp	 Principal
---	---	---

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM V, TOS V & DESIGN VI

IVPS.'s College of Architecture, Nashik.
FOURTH YEAR B. ARCH. (2017-18)
 Co-ordinator: Ar. Sanjeev Patil

SEM I

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	DISS &AP I (L)	AD-IV (L)	QSE (L)	SP.WR (L)	AD-IV (S)
TEACHER	PB / AmP / RD	SYP/AK / SP / SM/ AC	UH	AN	SYP/AK / SP / SM/ AC
8.45 - 9.30	DISS &AP I (S)	AD-IV (L)	QSE (S)	SP.WR (L)	AD-IV (S)
TEACHER	PB / AmP / RD	SYP/AK / SP / SM/ AC	UH	AN	SYP/AK / SP / SM/ AC
9.30 - 10.15	DISS &AP I (S)	AD-IV (S)	QSE (S)	ABTS (L)	AD-IV (S)
TEACHER	PB / AmP / RD	SYP/AK / SP / SM/ AC	UH	UH / AK / RB	SYP/AK / SP / SM/ AC
10.15 - 11.00	ABTS (L)	AD-IV (S)	QSE (S)	ABTS (S)	AD-IV (S)
TEACHER	UH / AK	SYP/AK / SP / SM/ AC	UH	UH / AK / RB	SYP/AK / SP / SM/ AC
11.00 - 11.30 B R E A K					
11.30 - 12.15	PP (L)	TP (L)	Inst. Philosophy (TP) (L)	ABTS (S)	AD-IV (S)
TEACHER	AB / RB	SYP / RB	SYP /KK/GA	UH / AK / RB	SYP/AK / SP / SM/ AC
12.15 - 1.00	PP (L)	TP (S)	Inst. Philosophy (TP) (L)	ABTS (S)	AD-IV (S)
TEACHER	AB / RB	SYP / RB	SYP /KK/GA	UH / AK / RB	SYP/AK / SP / SM/ AC
1.00 - 1.45	Electives (L)	TP (S)	Inst. Philosophy (TP) (S)	ABTS (S)	AD-IV (S)
TEACHER	JC/ Team	SYP / RB	SYP /KK/GA	UH / AK / RB	SYP/AK / SP / SM/ AC
1.45 - 2.30	Electives (S)	TP (S)	Inst. Philosophy (TP) (S)	ABTS (S)	AD-IV (S)
TEACHER	JC/ Team	SYP / RB	SYP /KK/GA	UH / AK / RB	SYP/AK / SP / SM/ AC

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, SYP - Sanjeev Patil, AmP- Amruta Pawar, AB - Arpita Bhatt, SR- Suruchi Randive, UH- Umesh Hirawe, AN- Abhishek Nasikakar, RB - Rachana Bhargav, KK-Kiran Kadam, GA - Gaurav Arbooj, JC- Jigar Chawda. **Allied Faculty:** AT- Anil Thombare, SB - Sankalp Bagul, SD- Suhas Detrange

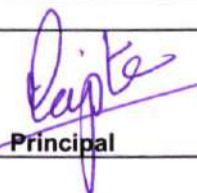
VISITING FACULTY : SP- Satish Pawar, AC- Amol Choudhari, SM - Sanjay Mistri ,



ADC Chairperson



College Stamp



Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of TP

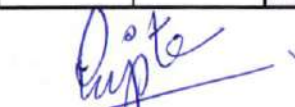
M.V.P. SAMAJ'S COLLEGE OF ARCHITECTURE

Academic Year - 2017-18		Teaching Load										Semester - I
	Faculty	Monday		Tuesday		Wednesday		Thursday		Friday		Total
	Name	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Hrs.
1	Prajakta Baste	3	-	-	-	-	3	-	-	-	-	6
2	Sanjeev Patil	4	3	4	4	-	4	-	-	4	4	27
3	Amruta Pawar	3	-	-	-	-	-	-	4	-	-	7
4	Arpita Bhatt	-	2	4	4	-	-	4	3	-	3	20
5	Suruchi Randive	4	3	4	4	-	4	3	-	3	-	25
6	Umesh Hirve	1	4	1	4	3	-	2	4	1	4	24
7	Abhishek Nasikakar	4	3	4	4	-	-	3	4	-	3	25
8	Ashish Khemnar	1	4	4	-	4	-	2	4	4	4	27
9	Ketaki Joshi	4	3	1	4	-	-	1	4	1	4	22
10	Nandan Malani	4	3	4	4	-	3	-	4	-	3	25
11	Purva Shah	4	3	4	4	-	-	4	4	3	-	26
12	Geetanjali Patil	3	-	1	4	4	-	4	3	1	4	24
13	Jigar Chawda	-	2	4	4	2	1	4	3	3	3	26
14	Ankita Pathare	4	3	4	4	-	-	1	4	1	4	25
15	Sachin Wagh	1	4	1	4	2	4	4	3	1	4	28
16	Sharmishtha Surajiwale	4	3	1	4	4	-	1	4	1	4	26
17	Hemant Thakare	1	4	4	4	-	-	-	4	3	3	23
18	Niketa Jadhav	1	4	4	4	-	-	4	3	3	-	23
19	Kiran Kadam	4	3	4	4	-	4	1	4	3	-	27
20	Gaurav Arbooj	4	3	4	4	-	4	1	4	3	-	27
21	Rachana Bhargav	3	2	-	4	4	4	2	4	-	3	26
22	Ronak Dodecha	3	-	1	4	-	-	-	-	1	4	13
23	Anil Thomare	3	-	3	-	-	3	3	-	3	3	18
24	Sankalp Bagul	1	4	-	-	2	-	1	4	3	-	15
25	Meghna Joshi	4	3	4	4	4	-	-	-	-	3	22
26	Radhika Jhawar	4	3	3	-	4	3	1	4	-	-	22
27	Tejashree Thangaonkar	-	-	1	4	4	-	4	3	1	4	21
28	Juie Sabnis	4	3	4	4	4	3	-	-	3	-	25
29	Suhas Datrang	-	-	-	-	4	1	-	-	-	-	5


ADC Chairperson



College Stamp


Principal

MVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2017-18)

SEM II Div A

Co-ordinator: Ar. Ketaki Joshi

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM II (L)	TOS II (L)	HIST I (L)	Climatology (L)	SKETCHING / DESIGN II *
TEACHER	AN / SS / MJ / NM / RJ	AT / RJ	PB / RJ	KJ	SB +DESIGN Team
8.45 - 9.30	BTM II (L)	TOS II (S)	HIST I (L)	Climatology (S)	SKETCHING / DESIGN II *
TEACHER	AN / SS / MJ / NM / RJ	AT / RJ	PB / RJ	KJ	SB +DESIGN Team
9.30 - 10.15	BTM II (L)	TOS II (S)	HIST I (S)	Climatology (S)	SKETCHING / DESIGN II *
TEACHER	AN / SS / MJ / NM / RJ	AT / RJ	PB / RJ	KJ	SB +DESIGN Team
10.15 - 11.00	BTM II (S)	DESIGN II (L)	WORKSHOP II (L)	ADG II (L)	DESIGN II (S)
TEACHER	AN / SS / MJ / NM / RJ	UH / SS / KJ / RD / TT	SD/ JC/ RA / Taj	AN / SS / KJ / RJ	UH / SS / KJ / RD / TT
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM II (S)	DESIGN II (L)	WORKSHOP II (L)	ADG II (L)	DESIGN II (S)
TEACHER	AN / SS / MJ / NM / RJ	UH / SS / KJ / RD / TT	SD/ JC/ RA / Taj	AN / SS / KJ / RJ	UH / SS / KJ / RD / TT
12.15 - 1.00	BTM II (S)	DESIGN II (L)	WORKSHOP II (S)	ADG II (S)	DESIGN II (S)
TEACHER	AN / SS / MJ / NM / RJ	UH / SS / KJ / RD / TT	SD/ JC/ RA / Taj	AN / SS / KJ / RJ	UH / SS / KJ / RD / TT
1.00 - 1.45	BTM II (S)	DESIGN II (S)	SKETCHING / ADG II (S)*	ADG II (S)	DESIGN II (S)
TEACHER	AN / SS / MJ / NM / RJ	UH / SS / KJ / RD / TT	SB / SD + ADG Team	AN / SS / KJ / RJ	UH / SS / KJ / RD / TT
1.45 - 2.30	BTM II (S)*	DESIGN II (S)	SKETCHING / ADG II (S)*	ADG II (S)	DESIGN II (S)
TEACHER	AN / SS / MJ / NM / RJ	UH / SS / KJ / RD / TT	SB / SD + ADG Team	AN / SS / KJ / RJ	UH / SS / KJ / RD / TT

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB - Arpita Bhatt, SR- Suruchi Randive UH- Umesh Hirawe, AN- Abhshhek Nasikakar, HT - Hemant Thakare, RB - Rachana Bhargaw, NM- Nandan Malani, PS- Purva Shah, KJ- Ketaki Joshi, JC- Jigar Chawda, SS- Sharmishtha Surajiwale, MJ- Meghana Joshi, TT- Tejashree Thangaonkar, RJ- Radhika Jhavar. **Allied Faculty:** SB - Sankalp Bagul, SD- Suhas Datrange, Workshop Assistant RA- Rahul Aher, Taj - Tajane

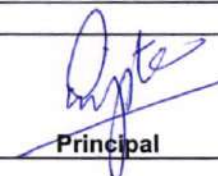
VISITING FACULTY : RD - Ronak Dodecha



ADC Chairperson



College Stamp


Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-II, ADG II and DESIGN II

MVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2017-18)
 Co-ordinator: Ar. Ankita Pathare

SEM II Div B

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM II (L)	Climatology (L)	WORKSHOP II	TOS II (L)	SKETCHING / DESIGN II (S)*
TEACHER	AP / GA / KK / YK / JS	AP	SW / SD / RA / Taj	AT / RJ	SB / SD / Design Team
8.45 - 9.30	BTM II (L)	Climatology (S)	WORKSHOP II	TOS II (S)	SKETCHING / DESIGN II (S)*
TEACHER	AP / GA / KK / YK / JS	AP	SW / SD / RA / Taj	AT / RJ	SB / SD / Design Team
9.30 - 10.15	BTM II (L)	Climatology (S)	WORKSHOP II	TOS II (S)	SKETCHING / DESIGN II (S)*
TEACHER	AP / GA / KK / YK / JS	AP	SW / SD / RA / Taj	AT / RJ	SB / SD / Design Team
10.15 - 11.00	BTM II (S)	DESIGN II (L)	SKETCHING / ADG II*	ADG II (L)	DESIGN II (S)
TEACHER	AP / GA / KK / YK / JS	GP/SW/AP/ N.Kar	SB/SD + ADG Team	AP / GA / KK / SB	GP/SW/AP/ N.Kar
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM II (S)	DESIGN II (L)	SKETCHING / ADG II*	ADG II (L)	DESIGN II (S)
TEACHER	AP / GA / KK / YK / JS	GP/SW/AP/ N.Kar	SB/SD + ADG Team	AP / GA / KK / SB	GP/SW/AP/ N.Kar
12.15 - 1.00	BTM II (S)	DESIGN II (L)	H.A I (L)	ADG II (S)	DESIGN II (S)
TEACHER	AP / GA / KK / YK / JS	GP/SW/AP/ N.Kar	JS	AP / GA / KK / SB	GP/SW/AP/ N.Kar
1.00 - 1.45	BTM II (S)	DESIGN II (S)	H.A I (L)	ADG II (S)	DESIGN II (S)
TEACHER	AP / GA / KK / YK / JS	GP/SW/AP/ N.Kar	JS	AP / GA / KK / SB	GP/SW/AP/ N.Kar
1.45 - 2.30	BTM II (S)*	DESIGN II (S)	H.A I (S)	ADG II (S)	DESIGN II (S)
TEACHER	AP / GA / KK / YK / JS	GP/SW/AP/ N.Kar	JS	AP / GA / KK / SB	GP/SW/AP/ N.Kar

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

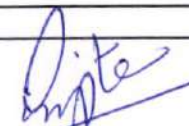
CORE FACULTY: PB- Prajakta Baste, GP-Geetanjali Patil, AP- Ankita Pathare, SW- Sachin Wagh, GA - Gaurav Arbool, KK- Kiran Kadam, NK-Niketa Kothavale, JS- Juie Sabnis, RJ-Radhika Jhavar, AT- Anil Thombare. **Allied Faculty:** SB - Sankalp Bagul, SD- Suhas Datranga, Workshop Assistant RA- Rahul Aher, Taj - Tajan

VISITING FACULTY : NKar - Nishta Karkhanis, YK- Yogita Kulkarni



ADC Chairperson

College Stamp

Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-II, ADG II and DESIGN II

MVPS's College of Architecture, Nashik

SECOND YEAR B. ARCH. (2017-18)

SEM II Div A

Co-ordinator: Ar. Purva Shah

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	TC (L)	DESIGN IV (L)	BS II (L)	BTM IV (L)	DESIGN IV (S)
TEACHER	HT	SR / PS / YN / HT / JC	SS / RB	AB / TT / JC	SR / PS / YN / HT / JC
8.45 - 9.30	TC (S)	DESIGN IV (L)	BS II (L)	BTM IV (L)	DESIGN IV (S)
TEACHER	HT	SR / PS / YN / HT / JC	SS / RB	AB / TT / JC	SR / PS / YN / HT / JC
9.30 - 10.15	TC (S)	DESIGN IV (L)	BS II (S)	BTM IV (L)	DESIGN IV (S)
TEACHER	HT	SR / PS / YN / HT / JC	SS / RB	AB / TT / JC	SR / PS / YN / HT / JC
10.15 - 11.00	WD I (L)	DESIGN IV (S)	BS II (S)	BTM IV (S)	DESIGN IV (S)*
TEACHER	UH / TT / HT / JC	SR / PS / YN / HT / JC	SS / RB	AB / TT / JC	SR / PS / YN / HT / JC
11.00 - 11.30	B R E A K				
11.30 - 12.15	WD I (L)	DESIGN IV (S)	HIST III (L)	BTM IV (S)	TOS IV (L)
TEACHER	UH / TT / HT / JC	SR / PS / YN / HT / JC	NM	AB / TT / JC	AT / RB
12.15 - 1.00	WD I (S)	DESIGN IV (S)	HIST III (L)	BTM IV (S)	TOS IV (L)
TEACHER	UH / TT / HT / JC	SR / PS / YN / HT / JC	NM	AB / TT / JC	AT / RB
1.00 - 1.45	WD I (S)	DESIGN IV (S)	HIST III (S)	BTM IV (S)	TOS IV (S)
TEACHER	UH / TT / HT / JC	SR / PS / YN / HT / JC	NM	AB / TT / JC	AT / RB
1.45 - 2.30	WD I (S)	DESIGN IV (S)	HIST III (S) *	BTM IV (S)*	TOS IV (S) *
TEACHER	UH / TT / HT / JC	SR / PS / YN / HT / JC	NM	AB / TT / JC	AT / RB

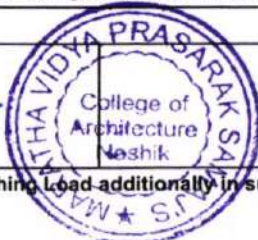
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AB - Arpita Bhatt, SR- Suruchi Randive UH- Umesh Hirawe, HT - Hemant Thakare, RB - Rachana Bhargaw, NM- Nandan Malani, PS- Purva Shah, JC- Jigar Chawda, SS- Sharmishtha Surajiwale, TT- Tejashree Thangaonkar, RJ- Radhika Jhavar, AT- Anil Thombare, **Allied Faculty:** SB - Sankalp Bagul, SD- Suhas Datrang

VISITING FACULTY : YN -Yusuf Nasikwala,

(Signature)

ADC Chairperson



College Stamp




(Signature)
Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of HISTORY III, TOS IV and DESIGN IV

MVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2017-18)
 Co-ordinator: Ar. Geetanjali Patil

SEM II

Div B




TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BS II (L)	DESIGN IV	HIST III (L)	BTM III (L)	DESIGN IV
TEACHER	GP/ NK	GA / KK / JS / NK	GP	GP / SW / NK	GA / KK / JS / NK
8.45 - 9.30	BS II (L)	DESIGN IV	HIST III (L)	BTM. III (L)	DESIGN IV
TEACHER	GP/ NK	GA / KK / JS / NK	GP	GP / SW / NK	GA / KK / JS / NK
9.30 - 10.15	BS II (S)	DESIGN IV	HIST III (S)	BTM. III (L)	DESIGN IV
TEACHER	GP/ NK	GA / KK / JS / NK	GP	GP / SW / NK	GA / KK / JS / NK
10.15 - 11.00	BS II (S)	DESIGN IV	WD I (L)	BTM III (S)	DESIGN IV*
TEACHER	GP/ NK	GA / KK / JS / NK	SW / NK / GA	GP / SW / NK	GA / KK / JS / NK
11.00 - 11.30	B R E A K				
11.30 - 12.15	TC (L)	DESIGN IV	WD I (L)	BTM III (S)	TOS IV (L)
TEACHER	SW	GA / KK / JS / NK	SW / NK / GA	GP / SW / NK	AT / RB
12.15 - 1.00	TC (S)	DESIGN IV	WD I (S)	BTM III (S)	TOS IV (L)
TEACHER	SW	GA / KK / JS / NK	SW / NK / GA	GP / SW / NK	AT / RB
1.00 - 1.45	TC(S)	DESIGN IV	WD I (S)	BTM III (S)	TOS IV (S)
TEACHER	SW	GA / KK / JS / NK	SW / NK / GA	GP / SW / NK	AT / RB
1.45 - 2.30	TC (S)*	DESIGN IV	WD I (S)	BTM III (S) *	TOS IV (S) *
TEACHER	SW	GA / KK / JS / NK	SW / NK / GA	GP / SW / NK	AT / RB
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy. CORE FACULTY: PB- Prajakta Baste, GP-Geetanjali Patil, AP- Ankita Pathare, SW- Sachin Wagh, GA - Gaurav Arbooj, KK- Kishan Kadane, NK- Niketa Kothavale, JS- Juie Sabnis, AT- Anil Thombare, Allied Faculty: SB - Sankalp Bagul, SD- Suhas Datrange					
 ADC Chairperson		 College Stamp			
		 Principal			

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM III, TC, TOS IV and DESIGN IV

MVPS's College of Architecture, Nashik
THIRD YEAR B. ARCH. (2017-18)

SEM II

Co-ordinator: Ar. Abhishek Nasikakar

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM VI (L)	DESIGN VI (L)	BS IV (L)	Cont. Seminar (L)	TOS VI (L)
TEACHER	SR / PS	AB / NM / PA / MJ	SR / HT	SR	AT
8.45 - 9.30	BTM VI (L)	DESIGN VI (L)	BS IV (L)	Cont. Seminar (L)	TOS VI (S)
TEACHER	SR / PS	AB / NM / PA / MJ	SR / HT	SR	AT
9.30 - 10.15	BTM VI (L)	DESIGN VI (L)	BS IV (S)	Cont. Seminar (S)	TOS VI (S)
TEACHER	SR / PS	AB / NM / PA / MJ	SR / HT	SR	AT
10.15 - 11.00	BTM VI (S)	DESIGN VI (S)	BS IV (S)	Cont. Seminar (S)	TOS VI (S)*
TEACHER	SR / PS	AB / NM / PA / MJ	SR / HT	SR	AT
11.00 - 11.30 B R E A K					
11.30 - 12.15	BTM VI (S)	DESIGN VI (S)	ELECTIVES I (L)	LA II (L)	DESIGN VI (S)
TEACHER	SR / PS	AB / NM / PA / MJ	MJ / PS / KJ	NM / AmP / PS	AB / NM / PA / MJ
12.15 - 1.00	BTM VI (S)	DESIGN VI (S)	ELECTIVES I (S)	LA II (L)	DESIGN VI (S)
TEACHER	SR / PS	AB / NM / PA / MJ	MJ / PS / KJ	NM / AmP / PS	AB / NM / PA / MJ
1.00 - 1.45	BTM VI (S)	DESIGN VI (S)	ELECTIVES I (S)	LA II (S)	DESIGN VI (S)
TEACHER	SR / PS	AB / NM / PA / MJ	MJ / PS / KJ	NM / AmP / PS	AB / NM / PA / MJ
1.45 - 2.30	BTM VI (S) *	DESIGN VI (S)	ELECTIVES I (S) *	LA II (S)	DESIGN VI (S) *
TEACHER	SR / PS	AB / NM / PA / MJ	MJ / PS / KJ	NM / AmP / PS	AB / NM / PA / MJ
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.					
CORE FACULTY: PB- Prajakta Baste, SP - Sanjeev Patil, AB - Arpita Bhatt, SR- Suruchi Randive UH- Umesh Hirawe, AN- Abhishek Nasikakar, KJ- Ketaki Joshi, HT - Hemant Thakare, NM- Nandan Malani, PS- Purva Shah, MJ- Meghana Joshi. Allied Faculty: AT- Anil Thomare, SB - Sankalp Bagul, SD- Suhas Datrange					
VISITING FACULTY : PA- Parag Adenwala,					
 ADC Chairperson			 College Stamp		 Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM VI, Elective I, TOS VI and DESIGN VI

MVPS's College of Architecture, Nashik
FOURTH YEAR B. ARCH. (2017-18)

SEM II

Co-ordinator: Ar. Hirawe Umesh

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	DISS & AP I (L)	AD-IV (L)	QSE (L)	SP.WR (L)	AD-IV (S)
TEACHER	PB / AmP / RD	AN / SP / SM/ AC	UH / MJ	AN	AN / SP / SM/ AC
8.45 - 9.30	DISS & AP I (S)	AD-IV (L)	QSE (S)	SP.WR(S)	AD-IV (S)
TEACHER	PB / AmP / RD	AN / SP / SM/ AC	UH / MJ	AN	AN / SP / SM/ AC
9.30 - 10.15	DISS & AP I (S)	AD-IV (L)	QSE (S)	ABTS (L)	AD-IV (S)
TEACHER	PB / AmP / RD	AN / SP / SM/ AC	UH / MJ	UH / RB	AN / SP / SM/ AC
10.15 - 11.00	DISS & AP I (S)*	AD-IV (S)	QSE (S)*	ABTS (L)	AD-IV (S)
TEACHER	PB / AmP / RD	AN / SP / SM/ AC	UH / MJ	UH / RB	AN / SP / SM/ AC
11.00 - 11.30	B R E A K				
11.30 - 12.15	PP (L)	Inst. Philosophy (TP)	Electives (L)	ABTS (S)	AD-IV (S)
TEACHER	AB / RB	RB	Co -Ord / AN	UH / RB	AN / SP / SM/ AC
12.15 - 1.00	PP (L)	Inst. Philosophy (TP)	Electives (S)	ABTS (S)	AD-IV (S)
TEACHER	AB / RB	RB	Co -Ord / AN	UH / RB	AN / SP / SM/ AC
1.00 - 1.45	TP (L)	Inst. Philosophy (TP)	TP (S)	ABTS (S)	AD-IV (S)
TEACHER	AB/ RB	RB	AB	UH / RB	AN / SP / SM/ AC
1.45 - 2.30	TP (L)	Inst. Philosophy (TP)	TP (S)	ABTS (S)	AD-IV (S)
TEACHER	AB/ RB	RB	AB	UH / RB	AN / SP / SM/ AC

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, AmP- Amruta Pawar, AB - Arpita Bhatta, UH- Umesh Hirawe, AN- Abhishat Nesikakar, HT - Hemant Thakare, RB - Rachana Bhargaw, KK- Kiran Kadam, GA- Gaurav Arbooj, MJ - Meghana Joshi, RD-Ronak Dodecha **Allied Faculty:** AT- Anil Thombare,

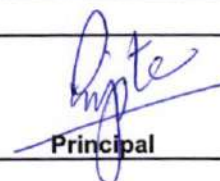
VISITING FACULTY : SP- Satish Pawar, AC- Amol Choudhari, SM - Sanjay Mistri ,



ADC Chairperson



College Stamp


Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of DISS & AP I, QSE

MVPS's College of Architecture, Nashik
FIFTH YEAR B. ARCH. (2017-18) SEM II
 Co-ordinator: Dr. Prajakta Baste

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	Allied Elective (L)	Arch. Project Part II (L)	Management Elective (L)	-	Arch. Project Part II (S)
TEACHER	AC	PB / AmP / RD / NP / VP / MP	KK		PB / AmP / RD / NP / VP / MP
8.45 - 9.30	Allied Elective (S)	Arch. Project Part II (L)	Management Elective (L)	-	Arch. Project Part II (S)
TEACHER	AC	PB / AmP / RD / NP / VP / MP	KK		PB / AmP / RD / NP / VP / MP
9.30 - 10.15	-	Arch. Project Part II (S)	-	-	Arch. Project Part II (S)
TEACHER		PB / AmP / RD / NP / VP / MP			PB / AmP / RD / NP / VP / MP
10.15 - 11.00	-	Arch. Project Part II (S)	-	-	Arch. Project Part II (S)
TEACHER		PB / AmP / NP / VP / MP			PB / AmP / NP / VP / MP
11.00 - 11.30	B R E A K				
11.30 - 12.15	-	Arch. Project Part II (S)	-	-	Arch. Project Part II (S)
TEACHER		PB / AmP / NP / VP / MP			PB / AmP / NP / VP / MP
12.15 - 1.00	-	Arch. Project Part II (S)	-	-	Arch. Project Part II (S)
TEACHER		PB / AmP / NP / VP / MP			PB / AmP / NP / VP / MP
1.00 - 1.45	-	Inst. Philosophy*	-	-	-
TEACHER		PB			
1.45 - 2.30	-	Inst. Philosophy*	-	-	-
TEACHER		PB			

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

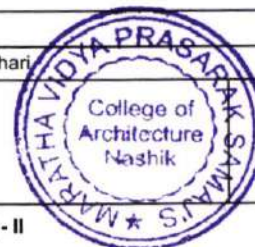
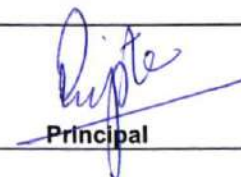
CORE FACULTY: PB- Prajakta Baste, AmP- Amruta Pawar, AB- Arpita Bhatt,

VISITING FACULTY : VP-Vaishali Pradhan, RD-Rohan Deore, NP- Nitin Patel, MP - Mukul Patil, AC - Amol Choudhari.



ADC Chairperson

College Stamp

Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of Architectural Project Part - II

M.V.P. SAMAJ'S COLLEGE OF ARCHITECTURE

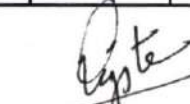
Academic Year - 2017-18		Teaching Load										Semester - II
	Faculty	Monday		Tuesday		Wednesday		Thursday		Friday		Total
	Name	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Hrs.
1	Prajakta Baste	3	-	4	4	3	-	-	-	4	2	20
2	Amruta Pawar	3	-	4	2	-	-	-	4	4	2	19
3	Arpita Bhatt	-	4	4	4	-	2	4	3	-	3	24
4	Suruchi Randive	4	3	4	4	4	-	4	-	3	-	26
5	Umesh Hirve	1	4	1	4	3	-	2	4	1	4	24
6	Abhishek Nasikakar	4	3	4	-	-	2	3	4	4	4	28
7	Ashish Khemnar	Leave for Post Graduation										0
8	Ketaki Joshi	-	-	1	4	-	3	4	4	1	4	21
9	Nandan Malani	4	3	4	4	-	3	-	4	-	3	25
10	Purva Shah	4	3	4	4	-	3	-	4	3	-	25
11	Geetanjali Patil	4	-	1	4	3	-	4	3	1	4	24
12	Jigar Chawda	1	4	4	4	1	2	4	3	3	-	26
13	Ankita Pathare	4	3	4	4	-	-	1	4	1	4	25
14	Sachin Wagh	-	3	1	4	4	4	4	3	1	4	28
15	Sharmishtha Surajiwale	4	3	1	4	4	-	1	4	1	4	26
16	Hemant Thakare	4	4	4	4	4	-	-	-	3	-	23
17	Niketa Kothavale	4	-	4	4	1	4	4	3	3	-	27
18	Kiran Kadam	4	3	4	4	2	-	1	4	3	-	25
19	Gaurav Arbooj	4	3	4	4	1	4	1	4	3	-	28
20	Rachana Bhargav	-	4	-	4	4	-	2	4	-	3	21
21	Ronak Dodecha	3	-	1	4	-	-	-	-	1	4	13
22	Anil Thomare	-	-	3	-	-	-	3	-	3	3	12
23	Sankalp Bagul	-	-	-	-	1	4	1	4	3	-	13
24	Meghna Joshi	4	3	4	4	3	3	-	-	-	3	24
25	Radhika Jhavar	4	3	3	-	3	-	4	4	-	-	21
26	Tejashree Thangaonkar	1	4	1	4	-	-	4	3	1	4	22
27	Juie Sabnis	4	3	4	4	-	3	-	-	3	-	21
28	Suhas Datrange					4	4			3		11



ADC Chairperson



College Stamp



Principal



M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

D) Institute Time Table and Teachers Teaching Loads

5. AY- 2016-2017

- Time Table -Sem-I & SEM-II
- Teachers Teaching Load



WVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2016-17)

SEM I Div A

Co-ordinator: Ar. Sharmishtha Surajiwale

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM I (L)	TOS I (L)	WORKSHOP I (L)	ITA (L)	Sketching ADG I (S) *
TEACHER	AN / AP / SW / TT	AT	VS/ JC / RA/ Taj	PS / SS	SB +AN/YK/PS/SS
8.45 - 9.30	BTM I (L)	TOS I (S)	WORKSHOP I (S)	ITA (L)	Sketching ADG I (S) *
TEACHER	AN / AP / SW / TT	AT	VS/ JC / RA/ Taj	PS / SS	SB +AN/YK/PS/SS
9.30 - 10.15	BTM I (L)	DESIGN I (L)	WORKSHOP I (S)	ITA (S)	DESIGN I (S)
TEACHER	AN / AP / SW / TT	UH/ SS/ SW/ NB	VS/ JC / RA/ Taj	PS / SS	UH/ SS/ SW / NB
10.15 - 11.00	BTM I (S)	DESIGN I (L)	Sketching DESIGN I (S)*	ADG I (L)	DESIGN I (S)
TEACHER	AN / AP / SW / TT	UH/ SS/ SW/ NB	SB + UH/ SS/ SW / NB	AN/YK/PS/SS/SB	UH/ SS/ SW / NB
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM I (S)	DESIGN I (L)	Sketching DESIGN I (S)*	ADG I (L)	DESIGN I (S)
TEACHER	AN / AP / SW / TT	UH/ SS/ SW / NB	SB + UH/ SS/ SW / NB	AN/YK/PS/SS/SB	UH/ SS/ SW / NB
12.15 - 1.00	BTM I (S)	DESIGN I (L)	Humanities (L)	ADG I (S)	DESIGN I (S)
TEACHER	AN / AP / SW / TT	UH/ SS/ SW / NB	PB	AN/YK/PS/SS/SB	UH/ SS/ SW / NB
1.00 - 1.45	BTM I (S)	DESIGN I (S)	Humanities (L)	ADG I (S)	DESIGN I (S)
TEACHER	AN / AP / SW / TT	UH/ SS/ SW / NB	PB	AN/YK/PS/SS/SB	UH/ SS/ SW / NB
1.45 - 2.30	BTM I (S)*	DESIGN I (S)	Humanities (S)	ADG I (S)	DESIGN I (S) *
TEACHER	AN / AP / SW / TT	UH/ SS/ SW / NB	PB	AN/YK/PS/SS/SB	UH/ SS/ SW / NB

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

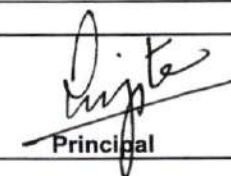
CORE FACULTY: PB- Prajakta Baste, SYP- Sanjeev Patil, AmP- Amruta Pawar, AB- Arpita Bhatt, UH- Umesh Hirawe, SR- Suruchi Randive, AK- Ashish Khemnar, AN- Abhishek Nasikakar, PS- Purva Shah, KJ- Ketaki Joshi, VS- Vikas Shimpi, AT- Anil Thombare, SB- Sankalp Bagul, GP-Geetanjali Patil, JC- Jigar Chawda, NM- Nandan Malani, AP - Ankita Pathare, SS- Sharmishtha Surajiwale, SW- Sachin Wagh, Workshop Assistant- RA - Rahul Aher, Taj-Tajne

VISITING FACULTY : YK- Yogita Kulkarni, TT-Tejashree Thangaonkar, SD- Suhas Datrang, NB- Nakul Bhavsar



ADC Chairperson

College Stamp

Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-I and ADG I

AVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2016-17)
 Co-ordinator: Ar. Ketaki Joshi

SEM I Div B

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM I (L)	ITA (L)	WORKSHOP	TOS	Sketching ADG I (S) *
TEACHER	MJ/PS/YK/SS/KJ	AP/KJ	VS/ JC / RA/ Taj	AT	SB + AK / AP / SW / TT
8.45 - 9.30	BTM I (L)	ITA (L)	WORKSHOP	TOS	Sketching ADG I (S) *
TEACHER	MJ/PS/YK/SS/KJ	AP/KJ	VS/ JC / RA/ Taj	AT	SB + AK / AP / SW / TT
9.30 - 10.15	BTM I (L)	ITA (S)	WORKSHOP	TOS	DESIGN I (S)
TEACHER	MJ/PS/YK/SS/KJ	AP/KJ	VS/ JC / RA/ Taj	AT	GP/KJ/AP/NK
10.15 - 11.00	BTM I (S)	DESIGN I (L)	Sketching DESIGN (S)*	ADG I (L)	DESIGN I (S)
TEACHER	MJ/PS/YK/SS/KJ	GP/KJ/AP/NK	SB + GP/AP/HT/NK	AK / AP / SW / TT	GP/KJ/AP/NK
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM I (S)	DESIGN I (L)	Sketching DESIGN (S)*	ADG I (L)	DESIGN I (S)
TEACHER	MJ/PS/YK/SS/KJ	GP/KJ/AP/NK	SB + GP/AP/HT/NK	AK / AP / SW / TT	GP/KJ/AP/NK
12.15 - 1.00	BTM I (S)	DESIGN I (L)	Humanities (L)	ADG I (S)	DESIGN I (S)
TEACHER	MJ/PS/YK/SS/KJ	GP/KJ/AP/NK	GP	AK / AP / SW / TT	GP/KJ/AP/NK
1.00 - 1.45	BTM I (S)	DESIGN I (S)	Humanities (L)	ADG I (S)	DESIGN I (S)
TEACHER	MJ/PS/YK/SS/KJ	GP/KJ/AP/NK	GP	AK / AP / SW / TT	GP/KJ/AP/NK
1.45 - 2.30	BTM I (S)*	DESIGN I (S)	Humanities (S)	ADG I (S)	DESIGN I (S)
TEACHER	MJ/PS/YK/SS/KJ	GP/KJ/AP/NK	GP	AK / AP / SW / TT	GP/KJ/AP/NK

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

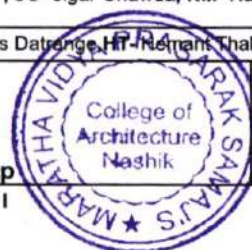
CORE FACULTY: PB- Prajakta Baste, SYP- Sanjeev Patil, AmP- Amruta Pawar, AB- Arpita Bhatt, UH- Umesh Hirawe, SR- Suruchi Randive, AK- Ashish Khemnar, AN- Abhishek Nasikakar, PS- Purva Shah, KJ- Ketaki Joshi, VS- Vikas Shimpi, AT- Anil Thombare, SB- Sankalp Bagul, GP-Geetanjali Patil, JC- Jigar Chawda, NM- Nandan Malani, AP - Ankita Pathare, SS- Sharmishtha Surajiwale, SW- Sachin Wagh, Workshop Assistant, RA - Rahul Aher, Taj-Tajne

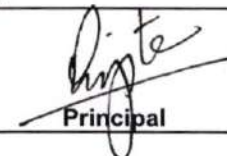
VISITING FACULTY : YK- Yogita Kulkarni, TT-Tejashree Thangaonkar, NK-Nishtha Karkhanis, SD- Suhas Datange, HT- Hemant Thakare, MJ- Meghna Joshi



ADC Chairperson

College Stamp




Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-I and ADG I

MVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2016-17)

SEM I

Co-ordinator: Ar. Purva Shah

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	HISTORY II (L)	DESIGN III (L)	BS I (L)	BTM III (L)	DESIGN III (S)
TEACHER	GP	SR / PS/JC/ YN	GP	AB / JC	SR / PS/JC/ YN
8.45 - 9.30	HISTORY II (L)	DESIGN III (L)	BS I (L)	BTM III (L)	DESIGN III (S)
TEACHER	GP	SR / PS/JC/ YN	GP	AB / JC	SR / PS/JC/ YN
9.30 - 10.15	HISTORY II (S)	DESIGN III (L)	BS I (S)	BTM III (L)	DESIGN III (S)
TEACHER	GP	SR / PS/JC/ YN	GP	AB / JC	SR / PS/JC/ YN
10.15 - 11.00	ADG III (L)	DESIGN III (S)	BS I (S)	BTM III (S)	DESIGN III (S)
TEACHER	UH / NM /SB	SR / PS/JC/ YN	GP	AB / JC	SR / PS/JC/ YN
11.00 - 11.30	B R E A K				
11.30 - 12.15	ADG III (L)	DESIGN III (S)	SL (L)	BTM III (S)	TOS III (L)
TEACHER	UH / NM /SB	SR / PS/JC/ YN	AT	AB / JC	AT
12.15 - 1.00	ADG III (S)	DESIGN III (S)	SL (S)	BTM III (S)	TOS III (S)
TEACHER	UH / NM / SB	SR / PS/JC/ YN	AT	AB / JC	AT
1.00 - 1.45	ADG III (S)	DESIGN III (S)	SL (S)	BTM III (S)	TOS III (S)
TEACHER	UH / NM / SB	SR / PS/JC/ YN	AT	AB / JC	AT
1.45 - 2.30	ADG III (S)	DESIGN III (S)	SL (S)*	BTM III (S)*	TOS III (S)*
TEACHER	UH / NM / SB	SR / PS/JC/ YN	AT	AB / JC	AT

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, SYP- Sanjeev Patil, AmP- Amruta Pawar, AB- Arpita Bhatt, UH- Umesh Hirwad, AK- Ashish Khemnar, AN- Abhishek Nashikkar, HT- Hemant Thakre, PS- Purva Shah, KJ- Ketaki Joshi, AnP- Ankita Pathare, VS- Vikas Shimpi, AT- Anil Thombare, SB- Sankalp Bagul,

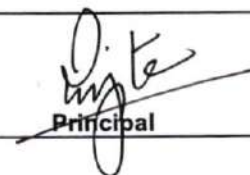
VISITING FACULTY : Punit Saraf, AS-Ashok Singhania, YN-Yusuf Nasikwala.



ADC Chairperson



College Stamp



Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of SL and TOS-III

WVPS's College of Architecture, Nashik
THIRD YEAR B. ARCH. (2016-17)

SEM I

Co-ordinator: Ar. Abhishek Nasikakar

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM III (L)	AD III (L)	WD (L)	History (L)	TOS III (L)
TEACHER	SYP / SR	AB / AN / NM / SM	AN / AK / KJ	SR	AT
8.45 - 9.30	BTM III (L)	AD III (L)	WD (S)	History (L)	TOS III (L)
TEACHER	SYP / SR	AB / AN / NM / SM	AN / AK / KJ	SR	AT
9.30 - 10.15	BTM III (S)	AD III (L)	WD (S)	History (L)*	TOS III (S)
TEACHER	SYP / SR	AB / AN / NM / SM	AN / AK / KJ	SR	AT
10.15 - 11.00	BTM III (S)	AD III (L)	WD (S)	History (L)*	AD III (S)
TEACHER	SYP / SR	AB / AN / NM / SM	AN / AK / KJ	SR	AB / AN / NM / SM
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM III (S)	AD III (S)	BS II (L)	LA & ES (L)	AD III (S)
TEACHER	SYP / SR	AB / AN / NM / SM	SR	AmP / NM	AB / AN / NM / SM
12.15 - 1.00	BTM III (S)	AD III (S)	BS II (L)	LA & ES (L)	AD III (S)
TEACHER	SYP / SR	AB / AN / NM / SM	SR	AmP / NM	AB / AN / NM / SM
1.00 - 1.45	BTM III (S)	Tech. Comm. (L)	BS II (S)	LA & ES (S)	AD III (S)
TEACHER	SYP / SR	NM	SR	AmP / NM	AB / AN / NM / SM
1.45 - 2.30	BTM III (S)*	Tech. Comm.(S)	BS II (S)	LA & ES (S)	AD III (S)*
TEACHER	SYP / SR	NM	SR	AmP / NM	AB / AN / NM / SM

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

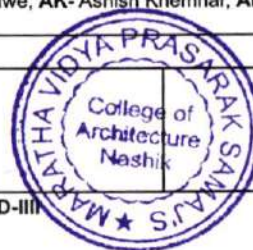
CORE FACULTY: PB- Prajakta Baste, SYP- Sanjeev Patil, AmP- Amruta Pawar, AB- Arpita Bhatt, UH- Umesh Hirawe, AK- Ashish Khemnar, AN- Abhishek Nasikakar, HT- Hemant Thakre, PS- Purva Shah, AnP- Ankita Pathare, VS- Vikas Shimpi, AT- Anil Thombare, SB- Sankalp Bagul,

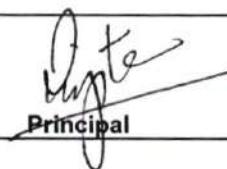
VISITING FACULTY : SM - Sanjay Mistry



ADC Chairperson

College Stamp




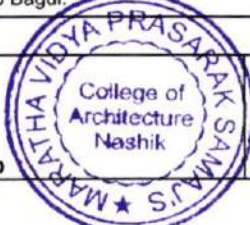
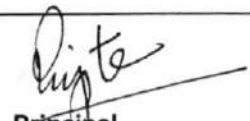

Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM-II and HISTORY & AD-III

IVPS.'s College of Architecture, Nashik
FOURTH YEAR B. ARCH. (2016-17)

SEM I

Co-ordinator: Ar. Sanjeev Patil

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	Quan. Surv. & Esti. (L)	TP (L)	AP I (S)	SP.WR (L)	TP (S)
TEACHER	UH /AT	SYP	PB / AmP / SR / PS /NM	AK	SYP
8.45 - 9.30	Quan. Surv. & Esti. (L)	TP (L)	AP I (S)	SP.WR (L)	TP (S)
TEACHER	UH /AT	SYP	PB / AmP / SR / PS /NM	AK	SYP
9.30 - 10.15	Quan. Surv. & Esti. (S)	AD-IV (L)	AP I (S)	ABT&S (L)	AD-IV (S)
TEACHER	UH /AT	SP/SYP/AK / AC	PB / AmP / SR / PS /NM	GP / UH	SP/SYP/AK / AC
10.15 - 11.00	Quan. Surv. & Esti. (S)	AD-IV (L)	Inst. Philosophy*	ABT&S (L)	AD-IV (S)
TEACHER	AT	SP/SYP/AK / AC	SYP	GP / UH	SP/SYP/AK / AC
11.00 - 11.30 B R E A K					
11.30 - 12.15	PP (L)	AD-IV (S)	Inst. Philosophy*	ABT&S (S)	AD-IV (S)
TEACHER	AB	SP/SYP/AK / AC	SYP	GP / UH	SP/SYP/AK / AC
12.15 - 1.00	PP (L)	AD-IV (S)	Inst. Philosophy*	ABT&S (S)	AD-IV (S)*
TEACHER	AB	SP/SYP/AK / AC	SYP	GP / UH	SP/SYP/AK / AC
1.00 - 1.45	ELECTIVE-I & II (L)	AD-IV (S)	Inst. Philosophy*	ABT&S (S)	AD-IV (S)*
TEACHER	Subject Coordinator	SP/SYP/AK / AC	SYP	GP / UH	SP/SYP/AK / AC
1.45 - 2.30	ELECTIVE-I & II (L)	AD-IV (S)	Inst. Philosophy*	ABT&S (S)	AD-IV (S)*
TEACHER	Subject Coordinator	SP/SYP/AK / AC	SYP	GP / UH	SP/SYP/AK / AC
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.					
CORE FACULTY: PB- Prajakta Baste, SYP- Sanjeev Patil, AmP- Amruta Pawar, AB- Arpita Bhatt, SR - Suruchi Ranadive, UH- Umesh Hirawe, AK- Ashish Khemnar, AN- Abhishek Nasikakar, PS- Purva Shah, GP- Geetanjali Patil, AnP- Ankita Pathare, VS- Vikas Shimpi, AT- Anil Thombare, SB- Sankalp Bagul.					
VISITING FACULTY : AC- Amol Choudhari, YK- Yogita Kulkarni, PS- Punit Saraf, SP- Satish Pawar					
 ADC Chairperson	 College Stamp				 Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of AP I & AD IV

M.V.P.S.'s College of Architecture, Nashik

Academic Year 2016-17 - Semester I

Faculty Load Calculations

SR. NO.	Faculty	Monday		Tuesday		Wednesday		Thursday		Friday		Total
	Name	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Hrs.
1	Prajakta Baste	-	-	-	-	3	3	-	-	-	-	6
2	Sanjeev Patil	4	3	4	4	1	4	-	-	4	4	28
3	Amruta Pawar	-	-	-	-	3	-	-	4	-	-	7
4	Arpita Bhatt	-	2	4	2	-	-	4	3	1	3	19
5	Suruchi Ranadive	-	-	4	4	3	4	3	-	4	-	22
6	Umesh Hirawe	4	4	2	4	-	-	2	4	2	4	26
7	Ashish Khemnar	-	-	2	4	4	-	3	4	2	4	23
8	Abhishek Nasikakar	4	3	4	2	4	-	1	4	1	3	26
9	Ketaki Joshi	4	3	4	4	4	-	-	-	2	3	24
10	Nandan Malani	1	4	4	4	3	-	-	4	1	3	24
11	Purva Shah	4	3	4	4	3	-	4	4	4	-	30
12	Geetanjali Patil	3	-	1	4	4	3	2	4	2	4	27
13	Jigar Chavda	-	-	4	4	3	-	4	3	4	-	22
14	Ankita Pathare	4	3	4	4	-	-	1	4	2	4	26
15	Sachin Wagh	4	3	2	4	-	-	1	4	2	4	24
16	Sharmishtha Surajiwale	4	3	2	4	-	-	4	4	2	4	27
17	Anil Thombare	4	-	2	-	-	3	3	-	3	3	18
18	Vikas Shimpi	-	-	-	-	3	-	-	-	-	-	3
19	Sankalp Bagul	1	4			1	1	1	4	2	-	14


ADC Chairperson



College Stamp


Principal

MVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2016-17)
 Co-ordinator: Ar. Sharmishtha Surajiwale


SEM II Div A

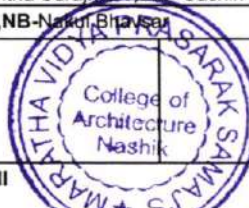
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM II (L)	TOS II (L)	WORKSHOP II (L)	CLIMATOLOGY (L)	ADG Sketching (S)*
TEACHER	AN/TT/AP/SW	AT	VS/ JC / RA/ Taj	SS	SB + AN/YK/PS/SS
8.45 - 9.30	BTM II (L)	TOS II (S)	WORKSHOP II (S)	CLIMATOLOGY (L)	ADG Sketching (S)*
TEACHER	AN/TT/AP/SW	AT	VS/ JC / RA/ Taj	SS	SB + AN/YK/PS/SS
9.30 - 10.15	BTM II (L)	TOS II (S)	WORKSHOP II (S)	CLIMATOLOGY (S)	DESIGN II (S)
TEACHER	AN/TT/AP/SW	AT	VS/ JC / RA/ Taj	SS	UH/ SS/ SW / NB
10.15 - 11.00	BTM II (S)	DESIGN II (L)	Design Sketching (S)*	ADG II (L)	DESIGN II (S)
TEACHER	AN/TT/AP/SW	UH/ SS/ SW/ NB	SB + UH/ SS/ SW / NB	AN/YK/PS/SS	UH/ SS/ SW / NB
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM II (S)	DESIGN II (L)	Design Sketching (S)*	ADG II (L)	DESIGN II (S)
TEACHER	AN/TT/AP/SW	UH/ SS/ SW / NB	SB + UH/ SS/ SW / NB	AN/YK/PS/SS	UH/ SS/ SW / NB
12.15 - 1.00	BTM II (S)	DESIGN II (L)	HIST I (L)	ADG II (S)	DESIGN II (S)
TEACHER	AN/TT/AP/SW	UH/ SS/ SW / NB	PB	AN/YK/PS/SS	UH/ SS/ SW / NB
1.00 - 1.45	BTM II (S)	DESIGN II (S)	HIST I (L)	ADG II (S)	DESIGN II (S)
TEACHER	AN/TT/AP/SW	UH/ SS/ SW / NB	PB	AN/YK/PS/SS	UH/ SS/ SW / NB
1.45 - 2.30	BTM II (S)*	DESIGN II (S)	HIST I (S)	ADG II (S)	DESIGN II (S) *
TEACHER	AN/TT/AP/SW	UH/ SS/ SW / NB	PB	AN/YK/PS/SS	UH/ SS/ SW / NB


L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, SYP- Sanjeev Patil, AmP- Amruta Pawar, AB- Arpita Bhatt, UH- Umesh Hirawe, AK- Ashish Khemnar, AN- Abhishek Nasikakar, PS- Purva Shah, VS- Vikas Shimpi, AT- Anil Thombare, SB- Sankalp Bagul, GP-Geetanjali Patil, JC- Jigar Chawda, AP - Ankita Pathare, SS- Sharmishtha Surajiwale, SW- Sachin Wagh, Workshop Assistant RA- Rahul Aher, Taj - Tajane

VISITING FACULTY : YK- Yogita Kulkarni, TT-Tejashree Thangaonkar, NK-Nishtha Karkhanis, SD- Suhas Datrange, NB-Nandini Bhatnagar


ADC Chairperson


College Stamp


Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM II, DESIGN II & ADG II

MVPS's College of Architecture, Nashik
FIRST YEAR B. ARCH. (2016-17)
 Co-ordinator: Ar. Geetanjali Patil

SEM II Div B

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM II (L)	CLIMATOLOGY (L)	WORKSHOP (L)	TOS (L)	ADG Sketching (S)*
TEACHER	MJ/PS/YK/SS	AP	VS/ JC / RA/ Taj	AT	SB + AK/AP/SW/TT
8.45 - 9.30	BTM II (L)	CLIMATOLOGY (L)	WORKSHOP (L)	TOS (L)	ADG Sketching (S)*
TEACHER	MJ/PS/YK/SS	AP	VS/ JC / RA/ Taj	AT	SB + AK/AP/SW/TT
9.30 - 10.15	BTM II (L)	CLIMATOLOGY (S)	WORKSHOP (S)	TOS (S)	DESIGN II (S)
TEACHER	MJ/PS/YK/SS	AP	VS/ JC / RA/ Taj	AT	GP/AP/HT/NK
10.15 - 11.00	BTM II (S)	DESIGN II (L)	Design Sketching (S)*	ADG II (L)	DESIGN II (S)
TEACHER	MJ/PS/YK/SS	GP/AP/HT/NK	SB + GP/AP/HT/NK	AK / AP / SW / TT	GP/AP/HT/NK
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM II (S)	DESIGN II (L)	Design Sketching (S)*	ADG II (L)	DESIGN II (S)
TEACHER	MJ/PS/YK/SS	GP/AP/HT/NK	SB + GP/AP/HT/NK	AK / AP / SW / TT	GP/AP/HT/NK
12.15 - 1.00	BTM II (S)	DESIGN II (L)	HIST I (L)	ADG II (S)	DESIGN II (S)
TEACHER	MJ/PS/YK/SS	GP/AP/HT/NK	GP	AK / AP / SW / TT	GP/AP/HT/NK
1.00 - 1.45	BTM II (S)	DESIGN II (S)	HIST I (L)	ADG II (S)	DESIGN II (S)
TEACHER	MJ/PS/YK/SS	GP/AP/HT/NK	GP	AK / AP / SW / TT	GP/AP/HT/NK
1.45 - 2.30	BTM II (S)*	DESIGN II (S)	HIST I (S)	ADG II (S)	DESIGN II (S)*
TEACHER	MJ/PS/YK/SS	GP/AP/HT/NK	GP	AK / AP / SW / TT	GP/AP/HT/NK

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, SYP- Sanjeev Patil, AmP- Amruta Pawar, AB- Arpita Bhatt, AK- Ashish Khemnar, PS- Purva Shah, VS- Vikas Shimpi, AT- Anil Thombare, SB- Sankalp Bagul, GP- Geetanjali Patil, JC- Jigar Chawda, AP - Ankita Pathare, SS- Sharmishtha Surajiwale, SW- Sachin Wagh, Workshop Assistant RA- Rahul Aher, Taj - Tajane

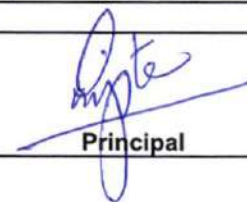
VISITING FACULTY : YK- Yogita Kulkarni, NK-Nishtha Karkhanavala, SD- Suhas Datrange, HT- Hemant Thakare, MJ- Meghna Joshi



ADC Chairperson



College Stamp



Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM II, DESIGN II & ADG II

MVPS's College of Architecture, Nashik
SECOND YEAR B. ARCH. (2016-17)

SEM II

Co-ordinator: Ar. Purva Shah

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	HISTORY III (L)	DESIGN IV (L)	BS II (L)	BTM IV (L)	DESIGN IV (S)
TEACHER	GP	SR / PS/JC/ YN	GP	AB / JC	SR / PS/JC/ YN
8.45 - 9.30	HISTORY III (L)	DESIGN IV (L)	BS II (L)	BTM IV (L)	DESIGN IV (S)
TEACHER	GP	SR / PS/JC/ YN	GP	AB / JC	SR / PS/JC/ YN
9.30 - 10.15	HISTORY III (S)	DESIGN IV (L)	BS II (S)	BTM IV (L)	DESIGN IV (S)
TEACHER	GP	SR / PS/JC/ YN	GP	AB / JC	SR / PS/JC/ YN
10.15 - 11.00	WD I (L)	DESIGN IV (S)	BS II (S)	BTM IV (S)	DESIGN IV (S)*
TEACHER	UH / NM	SR / PS/JC/ YN	GP	AB / JC	SR / PS/JC/ YN
11.00 - 11.30 B R E A K					
11.30 - 12.15	WD I (L)	DESIGN IV (S)	TC (L)	BTM IV (S)	TOS IV(L)
TEACHER	UH / NM	SR / PS/JC/ YN	JC	AB / JC	AT
12.15 - 1.00	WD I (S)	DESIGN IV (S)	TC (S)	BTM IV (S)	TOS IV (S)
TEACHER	UH / NM	SR / PS/JC/ YN	JC	AB / JC	AT
1.00 - 1.45	WD I (S)	DESIGN IV (S)	TC (S)	BTM IV (S)	TOS IV (S)
TEACHER	UH / NM	SR / PS/JC/ YN	JC	AB / JC	AT
1.45 - 2.30	WD I (S)	DESIGN IV (S)	TC (S)*	BTM IV (S)*	TOS IV (S)*
TEACHER	UH / NM	SR / PS/JC/ YN	JC	AB / JC	AT

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, SYP- Sanjeev Patil, AmP- Amruta Pawar, AB- Arpita Bhatt, UH- Umesh Hirawe, AK- Ashish Khemnar, AN- Abhishek Nashikkar, HT- Hemant Thakre, NK- Nilam Khandve, PS- Purva Shah, KJ- Ketki Joshi, AnP- Ankita Pathare, VS- Vikas Shimpi, AT- Anil Thombare, SB- Sankalp Baghel

VISITING FACULTY : YN- Yusuf Nasikwala



ADC Chairperson

College Stamp




Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM IV, DESIGN IV & TOS IV

MVPS's College of Architecture, Nashik
THIRD YEAR B. ARCH. (2016-17)

SEM II

Co-ordinator: Ar. Abhishek Nasikakar

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	BTM III (L)	AD III (L)	WD (L)	History (L)	TOS III
TEACHER	SYP / SR	AB / AN / NM / SM	AN / AK	SR	AT
8.45 - 9.30	BTM III (L)	AD III (L)	WD (S)	History (S)	TOS III
TEACHER	SYP / SR	AB / AN / NM / SM	AN / AK	SR	AT
9.30 - 10.15	BTM III (S)	AD III (L)	WD (S)	TOS III (L)	TOS III
TEACHER	SYP / SR	AB / AN / NM / SM	AN / AK	SR	AT
10.15 - 11.00	BTM III (S)	AD III (S)	WD (S)	TOS III (S)	AD III (S)
TEACHER	SYP / SR	AB / AN / NM / SM	AN / AK	SR	AB / AN / NM / SM
11.00 - 11.30	B R E A K				
11.30 - 12.15	BTM III (S)	AD III (S)	BS II (L)	LA & ES (L)	AD III (S)
TEACHER	SYP / SR	AB / AN / NM / SM	SR	AmP / NM	AB / AN / NM / SM
12.15 - 1.00	BTM III (S)	AD III (S)	BS II (L)	LA & ES (L)	AD III (S)
TEACHER	SYP / SR	AB / AN / NM / SM	SR	AmP / NM	AB / AN / NM / SM
1.00 - 1.45	BTM III (S)	Tech. Comm. (L)	BS II (S)	LA & ES (S)	AD III (S)
TEACHER	SYP / SR	JC / NM	SR	AmP / NM	AB / AN / NM / SM
1.45 - 2.30	BTM III (S)*	Tech. Comm. (S)	BS II (S)	LA & ES (S) *	AD III (S)*
TEACHER	SYP / SR	JC / NM	SR	AmP / NM	AB / AN / NM / SM

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

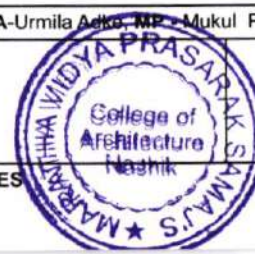
CORE FACULTY: PB- Prajakta Baste, SYP- Sanjeev Patil, AmP- Amruta Pawar, AB- Arpita Bhatt, UH- Umesh Hirawe, AK- Ashish Khemnar, AN- Abhishek Nashikkar, HT- Hemant Thakre, PS- Purva Shah, KJ- Ketki Joshi, AnP- Ankita Pathare, VS- Vikas Shimpi, AT- Anil Thombare, SB- Sankalp Bagul,

VISITING FACULTY : SP- Satish Pawar, e, DB-Deep Bhagwat, VP-Vaishali Pradhan, RD-Rohan Deore, UA-Urmila Adke, MP- Mukul Patil



ADC Chairperson

College Stamp








Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of BTM II, AD III & LAES

MVPS's College of Architecture, Nashik
FOURTH YEAR B. ARCH. (2016-17)

Co-ordinator: Ar. Sanjeev Patil

SEM II

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	Quan. Surv. & Esti. (L)	TP (L)	AP I (S)	SP.WR	TP (S)
TEACHER	UH /AT	SYP	PB / AmP / SR / PS /NM	AK	SYP
8.45 - 9.30	Quan. Surv. & Esti. (L)	TP (L)	AP I (S)	SP.WR	TP (S)
TEACHER	UH /AT	SYP	PB / AmP / SR / PS /NM	AK	SYP
9.30 - 10.15	Quan. Surv. & Esti. (S)	AD-IV (L)	AP I (S)	ABT&S (L)	AD-IV (S)
TEACHER	UH /AT	SP/SYP/AK / AC	PB / AmP / SR / PS /NM	GP / UH	SP/SYP/AK / AC
10.15 - 11.00	Quan. Surv. & Esti. (S)	AD-IV (L)	Inst. Philosophy*	ABT&S (L)	AD-IV (S)
TEACHER	UH /AT	SP/SYP/AK / AC	SR/ SYP	GP / UH	SP/SYP/AK / AC
11.00 - 11.30 B R E A K					
11.30 - 12.15	PP (L)	AD-IV (S)	Inst. Philosophy *	ABT&S (S)	AD-IV (S)
TEACHER	AB	SP/SYP/AK / AC	SYP	GP / UH	SP/SYP/AK / AC
12.15 - 1.00	PP (L)	AD-IV (S)	Inst. Philosophy *	ABT&S (S)	AD-IV (S)
TEACHER	AB	SP/SYP/AK / AC	SYP	GP / UH	SP/SYP/AK / AC
1.00 - 1.45	ELECTIVE-I & II (L)	AD-IV (S)	Inst. Philosophy *	ABT&S (S)	AD-IV (S)
TEACHER	CO.OR SYP	SP/SYP/AK / AC	SYP	GP / UH	SP/SYP/AK / AC
1.45 - 2.30	ELECTIVE-I & II (L)	AD-IV (S)	Inst. Philosophy *	ABT&S (S)	AD-IV (S)
TEACHER	CO.OR SYP	SP/SYP/AK / AC	SYP	GP / UH	SP/SYP/AK / AC
L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy. CORE FACULTY: PB- Prajakta Baste, SYP- Sanjeev Patil, AmP- Amruta Pawar, AB- Arpita Bhatt, UH- Umesh Hirawe, AK- Ashish Khemnar, AN- Abhishek Nashikkar, NM - Nandan Malani, AT- Anil Thombare. VISITING FACULTY : AC- Amol Choudhari, SP- Satish Pawar.					
 ADC Chairperson	 College Stamp				 Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of AP I

MVPS's College of Architecture, Nashik
FIFTH YEAR B. ARCH. (2016-17)

SEM II

Co-ordinator: Dr. Prajakta Baste

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.00 - 8.45	Mangment Elective (L)	Arch. Project Part II (L)	Allied Elective (L)	-	Arch. Project Part II (S)
TEACHER	AC	PB / AmP / VP / DB / RD / MP / NP	PB		PB / AmP / VP / DB / RD / MP / NP
8.45 - 9.30	Mangment Elective (S)	Arch. Project Part II (L)	Allied Elective (S)	-	Arch. Project Part II (S)
TEACHER	AC	PB / AmP / VP / DB / RD / MP / NP	PB		PB / AmP / VP / DB / RD / MP / NP
9.30 - 10.15	-	Arch. Project Part II (S)	-	-	Arch. Project Part II (S)
TEACHER		PB / AmP / VP / DB / RD / MP / NP			PB / AmP / VP / DB / RD / MP / NP
10.15 - 11.00	-	Arch. Project Part II (S)	-	-	Arch. Project Part II (S)
TEACHER		PB / AmP / VP / DB / RD / MP / NP			PB / AmP / VP / DB / RD / MP / NP
11.00 - 11.30	B R E A K				
11.30 - 12.15	-	Arch. Project Part II (S)	-	-	Arch. Project Part II (S)
TEACHER		PB / AmP / VP / DB / RD / MP / NP			PB / AmP / VP / DB / RD / MP / NP
12.15 - 1.00	-	Arch. Project Part II (S)	-	-	Arch. Project Part II (S)
TEACHER		PB / AmP / VP / DB / RD / MP / NP			PB / AmP / VP / DB / RD / MP / NP
1.00 - 1.45	-	Inst. Philosophy*	-	-	-
TEACHER		PB			
1.45 - 2.30	-	Inst. Philosophy*	-	-	-
TEACHER		PB			

L- LECTURE, S- STUDIO * - Studio / Lecture Dedicated to Institute Philosophy.

CORE FACULTY: PB- Prajakta Baste, SYP- Sanjeev Patil, AmP- Amruta Pawar, AB- Arpita Bhatt,

VISITING FACULTY : AC- Amol Choudhari, DB-Deep Bhagwat, VP-Vaishali Pradhan, RD-Rohan Deore, MP - Mukul Patil, NP -Nitin Patel.

ADC Chairperson



College Stamp

Principal

Institute Philosophy lectures are given in Teaching Load additionally in subject of AP II

MVPS's College of Architecture, Nashik

Academic Year 2016-17 Semester II

Faculty Load Calculations

SR NO	Faculty Name	Monday		Tuesday		Wednesday		Thursday		Friday		Total Hrs.
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	
1	Prajakta Baste	-	-	4	4	3	3	-	-	4	2	20
2	Sanjeev Patil	4	3	4	4	1	4	-	-	4	4	28
3	Amruta Pawar	-	-	4	2	3	-	-	3	4	2	18
4	Arpita Bhatt	-	2	4	2	-	-	4	3	1	3	19
5	Suruchi Randive	4	3	4	4	4	4	2	-	3	-	28
6	Umesh Hirawe	4	4	1	4	1	1	2	4	2	4	27
7	Abhishek Nasikakar	4	3	4	2	4	-	1	4	2	3	27
8	Ashish Khemnar	-	-	2	4	4	-	3	4	2	4	23
9	Ketaki Joshi	-	-	-	-	-	-	-	-	-	-	-
10	Nandan Malani	1	4	4	2	3	-	-	3	1	3	21
11	Purva Shah	4	3	4	4	3	-	1	4	3	-	26
12	Geetanjali Patil	3	-	1	4	4	1	2	4	2	4	25
13	Sharmishtha Surajiwale	4	3	1	4	1	1	4	4	4	4	30
14	Ankita Pathare	4	3	4	4	1	1	1	4	4	4	30
15	Jigar Chavda	-	-	4	4	3	3	4	3	3	-	24
16	Sachin Wagh	4	3	1	4	1	1	1	4	4	4	27
17	Anil Thomare	4	-	3	-	-	-	2	-	3	3	15
18	Sankalp Bagul	-	-	-	-	1	1	-	-	2	-	4
19	Vikas Shimpi	-	-	-	-	3	-	-	-	-	-	3


ADC Chairperson



College Stamp


Principal



M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

E) TEACHING PLAN- SAMPLES
(AY- 2020-2021 to AY2016-17)





M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

E) TEACHING PLAN- SAMPLES

1. AY- 2020-2021



M.V.P.S.s College of Architecture

Academic year 2020-2021

Sub: **Communication Skills**

Name of the Teacher: **Prof. Purva Shah, Prof. Radhika Bhattad, Prof. Amruta Sawant**

Subject Module No.: **16**

Subject Code : **1201907(SS)**

Sem.: **I**

Year: **F.Y.B.Arch.(Div A and B)**

Title	Communication Skills
Objective	<ul style="list-style-type: none">To enhance skills required for effective communication in Architectural education and practice

Sr. No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required	Lecture
1.	05/02/21	Introduction to the subject Introduction to Written Communication	Introduction to pattern language book and the assignment to be done. Maintain a word dictionary for all subjects.	Lecture, Library Visit, PPT	RB
2.	12/02/21	Introduction to Written & Graphical Communication	Essay Summary	Lecture	PS, RB, AS
3.	19/02/21		<u>SHIV JAYANTI HOLIDAY</u>		
	26/02/21	Graphical Communication	Decoding a Logo	Lecture	PS
5.	05/03/21	Graphical Communication	Infographics	Lecture	PS
6	12/03/21	Graphical Communication	Using mind mapping as a tool. How to generate mind maps	Lecture	RB
7	19/03/21		MID TERM MARKING		PS/RB/AS
8	26/03/21	Digital Communication	Digital Presentation Techniques	Lecture	RB
9	02/04/21	Verbal Communication	Non-verbal aspects of communication such as body language, posture, stance, etc.	Lecture	PS/RB/AS
10	09/04/21	Digital Communication	Presentation of student's work	Studio	PS/RB/AS



11	16/04/21	Digital Communication	Presentation of student's work	Studio	PS/RB/AS
12	23/04/21	Graphical Communication	Graphical analysis of plans; with precedents example. Contemporary examples	Lecture + Studio Working	
13	30/04/21	Graphical Communication	Working on History Plans (Yatin Pandya Book graphics)	Lecture + Studio Working	
14	07/05/21	Case study appraisal Guidelines	Introduction to case study appraisal and guidelines to conduct the same	Expert Lecture : Prof. Prajakta Baste	
15	14/05/21				
16	22/05/21				

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
A	—	Tutorials.	-	
B	—	Assignment		
C	—	Test	--	-
D		Assessment		
		Site visit	-	

Reading List

No.	Title & Contents	Author
	Pattern Language	Christopher Alexander
	Architecture: Form, Space and Order	F.D.K. Ching
	A visual Dictionary of Architecture	F.D.K. Ching

NOTE: Activity may include -

- Lecture
- Discussions
- Guest lecture
- Presentation
- Audio visual Session
- Self study



N.D.M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2020-2021

Sub: **CLIMATOLOGY**

Name of the Teacher: KM

Subject Module No.: 16

Subject Code : 2201925 (SS)

Sem.: III

Year: S.Y.B.Arch.(Div-A)

Title :	Climatology
Objective :	<ul style="list-style-type: none"> To understand climate as a determinant of architectural design and to enable the students to evolve climate responsive design

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
1.	Week 1	Introduction to climate	Factors affecting climate; microclimate and macroclimate	Online Lecture
2.	Week 2	Introduction to types of climate	Overview of all climate types : Global climatic classification and Climates of India	Online Lecture
3.	Week 3	Thermal comfort	Concept of heat exchange in buildings and concept of thermal comfort, comfort indices, its application to architectural design	Online Lecture
4.	Week 4	Strategies climate	Introduction to hot & dry, hot & humid climate	Online Lecture
5.	Week 5	Strategies climate	Introduction to cold & dry, cold & humid climate	Online Lecture + Assign. on comparative analysis of all the climates
6	Week 6	Strategies climate	Composite climate and Temperate climate	
7	Week 7	Passive design strategies	Understanding the various passive design strategies	Online Lecture + Assign of plotting on the chart for a specific climate
8	Week 8	Bioclimatic chart	Understanding and plotting of bio climatic chart	Online Lecture + Studio assign to plot on the sun path
9	Week 9	Sun path diagram	Understanding sun path and plotting points for specific time and month	MARKING
10	Week 10	MID-TERM MARKING IN-SEM		Online Lecture + Discussion.
11	Week 11	GUEST LECTURE	Lecture by Ar. Rahul Shrikhande	
12	Week 12	Site analysis matrix	Understanding sun path and plotting points for specific time and month	Online Lecture + Discussion



13	Week 13	Shading device	Design and calculations	Online Lecture + Discussion
14	Week 14	Shading device	Design and calculations	Lecture + Assignment
15	Week 15	PRE-FINAL MARKING		
16	Week 16	FINAL MARKING		

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
A.		Tutorials.		
B		Assignment	Journal	
C.	--	Any Other	--	--
D	Week 9, Week 15 & Week 16	Assessment	Mid-Term Marking Final Marking	
E.		Site visit		

Reading List

No.	Title & Contents	Author
	Manual of Tropical Housing and Building	Koenigsberger
	Climatological and solar data for India	T.N Seshadry
	Climatically responsible energy efficient architecture	Arvind Krishnan
	Energy efficient housing	.Mili Majumadar
Feed back		

NOTE: Activity may include -

- Lecture
- Discussions
- Guest lecture
- Presentation
- Audio visual Session
- Self study



N.D.M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2020-2021

Sub: **CLIMATOLOGY**

Name of the Teacher: AP

Subject Module No.: 16

Subject Code : 2201925 (SS)

Sem.: III

Year: S.Y.B.Arch.(Div-B)

Title :	Climatology
Objective :	<ul style="list-style-type: none"> To understand climate as a determinant of architectural design and to enable the students to evolve climate responsive design

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required	Conducted by
1.	Week 1	Introduction to climate	Factors affecting climate; microclimate and macroclimate	Online Lecture	AP
2.	Week 2	Introduction to types of climate	Overview of all climate types : Global climatic classification and Climates of India	Online Lecture	AP
3.	Week 3	Thermal comfort	Concept of heat exchange in buildings and concept of thermal comfort, comfort indices, its application to architectural design	Online Lecture	HT
4.	Week 4	Strategies climate	Introduction to hot & dry, hot & humid climate	Online Lecture	AP
5.	Week 5	Strategies climate	Introduction to cold & dry, cold & humid climate	Online Lecture + Assign. on comparative analysis of all the climates	AP
6	Week 6	Strategies climate	Composite climate and Temperate climate		AP
7	Week 7	Passive design strategies	Understanding the various passive design strategies	Online Lecture + Assign of plotting on the chart for a specific climate	AP
8	Week 8	Bioclimatic chart	Understanding and plotting of bio climatic chart	Online Lecture + Studio assign to plot on the sun path	AP
9	Week 9	Sun path diagram	Understanding sun path and plotting points for specific time and month	MARKING	AP
10	Week 10	MID-TERM MARKING IN-SEM		Online Lecture + Discussion.	AP,HT



11	Week 11	GUEST LECTURE	Lecture by Ar. Rahul Shrikhande		
12	Week 12	Site analysis matrix	Understanding sun path and plotting points for specific time and month	Online Lecture + Discussion	AP
13	Week 13	Shading device	Design and calculations	Online Lecture + Discussion	AP
14	Week 14	Shading device	Design and calculations	Lecture + Assignment	AP
15	Week 15	PRE-FINAL MARKING			
16	Week 16	FINAL MARKING			

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
A.		Tutorials.		
B		Assignment	Journal	
C.	--	Any Other	--	--
D	Week 9, Week15 & Week 16	Assessment	Mid-Term Marking Final Marking	
E.		Site visit		

Reading List

No.	Title & Contents	Author
	Manual of Tropical Housing and Building	Koenigsberger
	Climatological and solar data for India	T.N Seshadry
	Climatically responsible energy efficient architecture	Arvind Krishnan
	Energy efficient housing	.Mili Majumadar
Feed back		

NOTE: Activity may include -

- Lecture
- Discussions
- Guest lecture
- Presentation
- Audio visual Session
- Self study



MVPS's College of Architecture			
Third Year B.Arch. Div A			
Academic Year 2020 -2021 - Prof. Suruchi Ranadive, Ar. Sagar Sonawane			
BUILDING TECHNOLOGY AND MATERIAL V			
SR. NO	DATE	TOPIC	MODE OF DELIVERY
1	10th August 2020	Introduction to syllabus, revision of previous year	Lecture - Prof. Suruchi Ranadive
		interiors	
		Veneers	Followed By Journal Writing
2	17th August 2020	Various materials of interiors, their properties, characteristics, types etc.	Lecture - Prof. Suruchi Ranadive
		Plastic and metal sheets, Paints and Varnishes, Hardware for interiors	Online Market survey, comparative analysis
3	24th August 2020	RCC flooring systems for medium spans	Lecture - Prof. Sagar Sonavne
		Flat, flat plate, ribbed, waffle, band beam, pre-stressed slab	Followed By Drafting - sheet with notes
			Checking of journal of topic 1
4	31st August 2020	Tutorial	Studio - compilation of notes
			Marking for journal, market survey
5	7th September 2020	Panelling and partitions- Construction details for various materials	Lecture with Power Point Presentation - Prof. Suruchi Ranadive
		proprietary and non-proprietary systems	Followed By Studio. Designing on tracing and sheet 1
		panelling in timber, timber derivative materials, plastic, metal	finalising design and construction details, of panelling and partiton sheets
6	14th September 2020	Panelling and partitions	Studio
		Construction details for various materials	Panneling and partitions sheet 2 completion
		Submission	Marking of sheet 1 and 2
7	21st September 2020	IN SEM	EXAM
8	28th September 2020	Suspended ceilings	Lecture with Power Point Presentation - Prof. Suruchi Ranadive
		Construction details and material variety	Followed By Studio. Designing on tracing
		Modular, Continuous, Open and Strip ceiling	finalising design and construction details
9	5th October 2020	Suspended ceilings	Studio - Sheet 3 and 4



9	5th October 2020	Suspended ceilings	Studio - Sheet 3 and 4
		Construction details and material variety	
		Modular, Continuous, Open and Strip ceiling	
		Submission	Marking of sheet 3 and 4
12	12th October 2020	Marking of Sheets for partitions, panelling and suspended ceilings	sheet 1-4
14	19th October 2020	Long span constructions	Lecture - Prof. Purva Shah
		Section/bulk active systems, beam structures,	Followed By Studio. Journal Writing
		slab structures, Vector active systems (portal frame, 2D, 3D trusses,)	
15	26th October 2020	Long span constructions	Lecture - Prof. Purva Shah
		Surface active systems (Shell structures, folded, plate structures)	Followed By Studio. Journal Writing
		Form active systems (Tensile structures, Pneumatic structures, arch structures)	LONG SPAN GUEST LECTURE CUM WORKSHOP (continued)
16	2nd November 2020	Furniture design and assembly	Lecture with Power Point Presentation - Prof. Gaurav Arbooz
		Construction details and material variety	Followed By Studio. Sheet 5
		Bed, dining table, sofa, chair, wardrobe, hardware details,	
16	9th November 2020	Furniture design and assembly	Studio - Sheet 6
		Submission	Sheet 5 and 6 + Journal for long span structures
17	16th November 2020	PRE-FINAL MARKING FOR SHEETS	STUDIO
18	23rd November 2020	FINAL SUBMISSION	FINAL MARKING (Sheet + Journal)



		Construction details and material variety	
		Modular, Continuous, Open and Strip ceiling	
		Submission	Marking of sheet 3 and 4
12	12th October 2020	Marking of Sheets for partitions, panelling and suspended ceilings	sheet 1-4
14	19th October 2020	Long span constructions	Lecture - Prof. Sagar Sonavne
		Section/bulk active systems, beam structures,	Followed By Studio. Journal Writing
		slab structures, Vector active systems (portal frame, 2D, 3D trusses,)	
15	26th October 2020	Long span constructions	Lecture - Prof. Sagar Sonavne
		Surface active systems (Shell structures, folded, plate structures)	Followed By Studio. Journal Writing
		Form active systems (Tensile structures, Pneumatic structures, arch structures)	LONG SPAN GUEST LECTURE CUM WORKSHOP (continued)
16	2nd November 2020	Furniture design and assembly	Lecture with Power Point Presentation - Prof. Sagar Sonavne
		Construction details and material variety	Followed By Studio. Sheet 5
		Bed, dining table, sofa, chair, wardrobe, hardware details,	
16	9th November 2020	Furniture design and assembly	Studio - Sheet 6
		Submission	Sheet 5 and 6 + Journal for long span structures
17	16th November 2020	PRE-FINAL MARKING FOR SHEETS	STUDIO
18	23rd November 2020	FINAL SUBMISSION	FINAL MARKING (Sheet + Journal)



MVPS's College of Architecture			
Third Year B.Arch. Div B			
Academic Year 2020 -2021 - Prof. Purva Shah, Prof. Gaurav Arbooz			
BUILDING TECHNOLOGY AND MATERIAL V			
SR. NO	DATE	TOPIC	MODE OF DELIVERY
1	10th August 2020	Introduction to syllabus, revision of previous year	Lecture - Prof. Purva Shah
		Introduction to Material used for interiors	
		Wood, wood derivatives, laminates, Veneers	Followed By Journal Writing
2	17th August 2020	Various materials of interiors, their properties, characteristics, types etc.	Lecture - Prof. Purva Shah
		Plastic and metal sheets, Paints and Varnishes, Hardware for interiors	Online Market survey, comparative analysis
3	24th August 2020	RCC flooring systems for medium spans	Lecture - Prof. Purva Shah
		Flat, flat plate, ribbed, waffle, band beam, pre-stressed slab	Followed By Drafting - sheet with notes
			Checking of journal of topic 1
4	31st August 2020	Tutorial	Studio - compilation of notes
			Marking for journal, market survey
5	7th September 2020	Panelling and partitions- Construction details for various materials	Lecture with Power Point Presentation - Prof. Gaurav Arbooz
		proprietary and non-proprietary systems	Followed By Studio. Designing on tracing and sheet 1
		panelling in timber, timber derivative materials, plastic, metal	finalising design and construction details, of panelling and partition sheets
6	14th September 2020	Panelling and partitions	Studio
		Construction details for various materials	Panelling and partitions sheet 2 completion
		Submission	Marking of sheet 1 and 2
7	21st September 2020	IN SEM	EXAM
8	28th September 2020	Suspended ceilings	Lecture with Power Point Presentation - Prof. Gaurav Arbooz
		Construction details and material variety	Followed By Studio. Designing on tracing
		Modular, Continuous, Open and Strip ceiling	finalising design and construction details



M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.**Academic year 2020-2021.**Sub: **DESIGN - VII**

Name of the Teacher: A.N, N.N, A.C, S.M

Subject Module No.: **32**Subject code: **4201554 (S)**, Credit: **8**Sem: **I (250 Marks/ Sem)**Year: **FORTH.Y. B.ARCH (DIV - A)**

Title :	Design- VII (Sem-I)
Objective:	<ul style="list-style-type: none">• Understanding and application of principles of multifunctional complex building design in terms of architectural drawings and models.• Integration of function, aesthetics, structure & services in a various multifunctional buildings.• Analysis of multiple buildings accommodated within a delineated zone and their relationship with each other in a larger environmental context to harmony technology, material, climate etc..• To Analyze of built and un-built spaces with respect to activities, circulation (pedestrian/ vehicular) and elements in landscape etc...• To understand the geology of sloping site, understanding of contours, analysis and management of slopes etc...• To understand various issues and aspects like sustainability, Earthquake proof construction, barrier free environment, Renewable energy, disaster management etc.. and the integration of these aspects in architectural design process.

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
1.	Week -1	Introduction to Architectural Design -VII . Introduction to various topic.	Distribution of topics & group formation	Studio/ online/ meet discussion
2.		Design concepts and design types	Data collection	Studio/ online/ meet discussion
3.	Week -2	Presentation on design concepts and types	Case study presentation	Studio/ online/ meet discussion
4.		Presentation on design concepts and types	Casestudy presentation(Jury)	Jury -1 (online/ offline jury)
5.	Week -3	Site & site analysis Scale 1: 250	Site analysis + model	Studio/ online/ meet discussion
6.		Site & site analysis Scale 1: 250	Site analysis (Jury)	Jury -2 (online/ offline jury)
7.	Week -4	Concept & Zoning	Zoning	studio/ online/ meet discussion
8.		Concept & Zoning	Zoning (Jury)	Jury -3 (online/ offline jury)
9.	Week -5	Concept & Zoning	Design development	Studio/ online/ meet discussion
10.		Single line plan Scale 1: 250	Design development	Studio/ online/ meet discussion



11.	Week -6	Single line plan Scale 1: 250	Design development	Studio/ online/ meet discussion
12.		Single line plan + sections Scale 1: 250	Design development	Studio/ online/ meet discussion
13.	Week -7	Single line plan + model Scale 1: 250	Design development	Studio/ online/ meet discussion
14.		Single line plan + model Scale 1: 250	Design development	Studio/ online/ meet discussion
15.	Week -8	Single line plan Jury + study model	Single line plan Jury	Jury -4 (online/ offline jury)
16.		Single line plan Jury + study model	Single line plan Jury	Jury -4 (online/ offline jury)
17.	Week -9	Double line plan Scale 1: 250	Design Development	Studio/ online/ meet discussion
18.		Double line plan Scale 1: 250	Design Development	Studio/ online/ meet discussion
19.	Week -10	Double line plan Scale 1: 250	Design Development	Studio/ online/ meet discussion
20.		Double line plan +sections Scale 1: 250	Design Development	Studio/ online/ meet discussion
21.	Week -11	Double line plan + sections (JURY)	Double line plan Jury	Jury -5 (online/ offline jury)
22.		Double line plan + sections (JURY)	Double line plan Jury	Jury -5 (online/ offline jury)
23.	Week -12	Double line plan +elevations Scale 1: 250	Design Development	Studio/ online/ meet discussion
24.		Double line plan +Services Scale 1: 250	Design Development	Studio/ online/ meet discussion
25.	Week -13	Double line plan+ Model Scale 1: 250 (Online)	Double line plan	Studio/ online/ meet discussion
26.		Double line plan+ Model Scale 1: 250 (Online)	Double line plan	Studio/ online/ meet discussion
27.	Week -14	Pre-final submission	Design Development	Pre final marking (online/ offline jury)
28.		Pre-final submission	Design Development	Pre final marking (online/ offline jury)
29.	Week -15	Final – folio submission marking	Jury	Final Internal Marking
30.		Final – folio submission marking	Jury	Final Internal Marking
31.	Week -16			
32.				

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
6.		Tutorials.	Book case studies.	Book review and Jury (online)
7.	16 weeks	Assignment	• Major design project	Studio/ online/ google meet etc..
8.				
9.	---	Any Other	---	---
10.	Week -2 Week -3 Week -4	Assessment	• Case studies • Site Analysis • Zoning	Studio



	Week- 8 Week- 11 Week- 14 Week- 15		<ul style="list-style-type: none"> • Single line plan • Double line plan • Pre-final marking • Final marking 	
11.	NIL (google map)	Site visits (google map)	Project site	Site visit (google map)

Reading List

No.	Title & Contents	Author
1.	A Place in Shade (2010)	Correa, C.
2.	Campus Design in India (1969)	Kanvinde, A., & Miller, H.
3.	Site Planning (1962)	Lynch, K.
4.	Elements of Space Making (2007)	Pandya, Y., & Foundation, V. S.
5.	Building in the Garden (1995)	White, S.
6.		
7.		
Feed back		

NOTE: Activity may include -

- Lecture
- Discussions
- Guest lecture
- Presentation
- Audio visual -Session
- Self study

Ar. A. Nasikakar

Ar. N. Nikam

Ar. A. Choudhari

Ar. S. Mistry



MVPS's College of Architecture

FUNDAMENTALS OF ARCHITECTURE (Subject Code: 1201915)

1st Year B.Arch. (Div A)

Schedule For Semester II

Academic Year – 2020-21

Faculty Team: Prof. Radhika Bhattad, Ar. Shruti Kamath

WEEK. NO.	DATE	TOPIC	MODE OF DELIVERY / ASSIGNMENTS
1	14 th May 2021	Scope of Architecture Various branches and practices Quotes by architects	Lecture Essay / story / poster / instance / newspaper Journal notes
2	21 st May 2021	Definition and evolution of architecture Different roles of an architect Different hats architect wears	Lecture List of items with dual role List role of - artists and technologists Journal notes RB
3	28 th May 2021	Nature of architecture – conclusive from architect's quotes Architectural design process Objectives of AD – form and internal space Scale-proportion	Lecture Flow chart 1 Photo essay – AA sketches
4	4 th June 2021	Space-volume , Mass, space and massing	Building appraisal Questionnaire – decoding buildings
5	11 th June 2021	Principles of architecture Order Axis Symmetry Hierarchy Rhythm / repetition Datum	Photo essay – AA sketches
6	18 th June 2021	Elements of architecture 1 and 2 Walls Floors Ceiling Doors and windows	Photo essay – AA sketches



		Columns	
7	25 th June 2021	<p>Factors affecting architectural design and form</p> <p>Context Site and Siting Function - orientation circulation</p>	<p>Lecture</p> <p>One example with interesting site response</p> <p>Types of circulation Orientation strategies for a selected building typologies</p>
8	2 nd July 2021	<p>Factors affecting architectural design and form</p> <p>Structure and materials Various Structural systems</p>	<p>Lecture</p> <p>One example each of material expression One example each of various structural systems Journal notes RB</p>
9	9 th July 2021	<p>Factors affecting architectural design and form</p> <p>Culture and environment Climate and sustainability</p>	<p>Lecture</p> <p>One example with response to each Journal notes RB</p>
10	16 th July 2021	<p>Concept of Shelter and various building typologies</p> <p>Architecture without architects Two dependents – design process and form</p>	<p>Lecture</p> <p>List with photos of various building types Journal notes SK</p>
11	23 RD July 202	FINAL MARKING	Studio



Maratha Vidya Prasarak Samaj's			
COLLEGE OF ARCHITECTURE, Nashik-422013			
ACADEMIC YEAR : 2020-2021			
Subject		Subject Teachers	
DESIGN - III		Suruchi Ranadive, Purva Shah, Nikita K, Gaurav Arbooj, Kiran Kadam, Trupti Kakade, Sharmishtha Surajiwale, Ketaki Pathak	
SR.NO	DATE	TOPIC	MODE OF DELIVERY
		1ST DESIGN PROBLEM	
1	5/1/21	INTRODUCTION TO CLIMATE SPECIFIC DESIGN	LECTURE
2	8/1/21	BRIEF & Case study INTRODUCTION	studio
3	12/1/21	case study presentations	Studio
4	15/1/21	Bubble diagram & zoning	Studio
5	19/1/21	Guest lecture - case study presentation	Studio
6	22/1/21	Design Development	Studio
7	26/1/21	REPUBLIC DAY	
8	29/1/21	INTERIM MARKING - 1 zoning, single line plans , process models	Studio
9	2/2/21	Design Development	Studio
10	5/2/21	Design Development	Studio
11	9/2/21	Design Development	Studio
12	12/2/21	INTERIM MARKING - 2 Plan ,Elevations, Sections and Model	Studio
13	16/2/21	Design Development	Studio
14	19/2/21	Pre final marking All drawings with Model to be brought on tracings	Studio
15	23/2/21	Design Development	Studio
16	26/2/21	Design Development	Studio
17	2/3/21	Final Submission and Marking All drawings with Model to be brought on sheets	Studio
18	5/3/21	INTRODUCTION TO 2ND DESIGN PROBLEM	Studio
19	9/3/21	Case study & site analysis	Studio
20	12/3/21	Zonning, Concept Development	Studio
21	16/3/21	INTERIM MARKING - 1 zoning, single line plans , process models	Studio
22	19/3/21	Design Development	



23	23/3/21	Design Development	Studio
24	26/3/21	Design Development	Studio
25	30/3/21	INTERIM MARKING - 2 plans , Sections and process models	Studio
26	2/4/21	Design Development	Studio
27	6/4/21	Design Development	Studio
28	9/4/21	Design Development	
29	13/4/21	PRE FINAL MARKING All drawings with Model to be brought on tracings	Studio
30	16/4/21	Corrections & final sheets	Studio
31	20/4/21	Final Submission and Marking	Studio
32	23/4/21	1st design folio correction and improvement	Studio
33	27/4/21	1ST DESIGN FOLIO SUBMISSION WITH CORRECTIONS	Studio
34	30/4/21	SING & STAMPING ON FOLIOS	Studio
35	4/5/21	INTERNAL JURY	Studio
36	7/5/21	FINAL JURY & TERM END	Studio

NOTE	Details to be noted for Case Study
	Planning Principles Furniture Layout Light and Ventilation Volumetric Analysis and Sectional Play Material Palette Climatic Response Fenestrations Massing
NOTE	Submission Requirements
	Name plate, North and Scale Nomenclature to include Room sizes Staircase Up / Down Levels Chajja Projections as dotted Lines Cross to be shown in dotted for double height spaces Lintels and Beams to be shown Steps to denote plinth
NOTE	Drawings requirements (Scale 1:100)
	Concept Sheet ,Site Analysis and Climatic Data Roof Plan including Site Development All level Plans Sections to explain the scheme Elevations Views



MVPS's COLLEGE OF ARCHITECTURE

SCHEDULE FOR BUILDING TECHNOLOGY AND MATERIAL VI

Academic Year 2021 -2021		Prof. Purva Shah, Prof. Gaurav Arbooz, Prof. Sachin Waze	Third Year B.Arch. Div B
SR.NO	DATE	TOPIC	MODE OF DELIVERY
1	4 th JANUARY 2021 UNIT 1	Introduction to Sem 6 Introduction to Course Objectives	Lecture By Prof. Purva Shah
2	11 th JANUARY 2021 UNIT 1	Materials and their properties and characteristics in the building industry Glass Metal and Metal Alloys	Lecture Followed By Studio. Journal Writing Market survey, comparative analysis By Prof. Gaurav Arbooz
3	18 th JANUARY 2021 UNIT 1	Materials and their properties and characteristics in the building industry Plastics and Rubbers Adhesives and Sealants	Lecture By Prof. Gaurav Arbooz Followed By Studio. Journal Writing Market survey, comparative analysis
4	25 th JANUARY 2021 UNIT 2	Lecture on Earthquake resistant Framed Structure Issues Covered 1) Ductility and rigidity of earthquake Loads 2) Overview of earthquake resisting framed Syst 3) Appli of movement resisting frames, cross braced Frames and shear wall	Lecture with Power Point Presentation Followed By Studio. Journal Writing By Ar. Purva Shah
5	1 st FEBRUARY 2021 UNIT 2	Lecture on Earthquake resistant Framed Structure Issues Covered 4) Role of Floor and Roof Diaphragm in earthquake resistance 5) Retrofitting and Base Isolation	Lecture with Power Point Presentation Followed By Studio. Journal Writing By Ar. Purva Shah
6	8 th FEBRUARY 2021	Checking of Topic 1 & 2	Studio - compilation of notes Marking for journal, market survey
7	15 th FEBRUARY 2021	IN SEM	EXAM
8	22 nd FEBRUARY 2021	Single Basement Construction with water proofing details, alternate ways of access provisions for ventilation 1) water proofing details 2) Understand structure column beam placing 3) Parking norms 4) Service Details	Lecture with Power Point Presentation Studio. Sheet 1 and 2 By Prof. Gaurav Arbooz
9	1st MARCH 2021 UNIT 3	Single Basement Construction with water proofing details, alternate ways of access provisions for ventilation 1) water proofing details 2) Understand structure column beam placing 3) Parking norms	Studio. Sheet 1 and 2



		4) Service Details	
10	8th MARCH 2021 UNIT 4	Retaining Walls and its Terminology Mass/ Gravity Retaining Wall, Cantilever Retaining Wall Counterfort /Buttress Retaining wall Precast Retaining Wall Flyover Retaining Wall Reinforced Earth Construction.	Lecture with Power Point Presentation Followed By Studio. Journal Writing By Ar. Purva Shah
11	15th MARCH 2021 UNIT 4	Retaining Walls and its Terminology Mass/ Gravity Retaining Wall, Cantilever Retaining Wall Counterfort /Buttress Retaining wall Precast Retaining Wall Flyover Retaining Wall Reinforced Earth Construction.	Studio. Journal writing
12	22 nd MARCH 2021 UNIT 4	Steel Structures Structural Steel Sections, Built Up Sections Assembly of Steel Structure with trusses with North Light Truss Multi Storey steel building assembly with stanchion, beams and metal deck flooring.	Lecture with Power Point Presentation Studio. Sheet 1 and 2 By Prof. Sachin Waze
13	29 th MARCH 2021	HOLIDAY	HOLI
14	5th APRIL 2021 UNIT 5	Steel Structures Structural Steel Sections, Built Up Sections Assembly of Steel Structure with trusses with North Light Truss Multi Storey steel building assembly with stanchion, beams and metal deck flooring.	Studio. Sheet 1 and 2
15	12th APRIL 2021 UNIT 5	Checking of Sheets on Unit 3 and 5	
16	19th APRIL 2021 UNIT 6	Modular Coordination and Industrialized building Construction Floor and Roof Construction as per CBRI Floor and Roof Construction using partially precast floor and Joist Floor and Roof Construction Precast Waffle Unit Locally Available Precast Units	Lecture with Power Point Presentation Studio. Sheet 1 and 2 By Prof. Purva Shah
17	26th APRIL 2021 UNIT 6	Modular Coordination and Industrialized building Construction Floor and Roof Construction as per CBRI Floor and Roof Construction using partially precast floor and Joist Floor and Roof Construction Precast Waffle Unit Locally Available Precast Units	Lecture with Power Point Presentation Studio. Sheet 1 and 2



18	3rd MAY 2021	Assignment completion	Studio
19	10th MAY 2021	Final Checking	FINAL MARKING (Sheet + Journal)



MVP Samaj's College of Architecture, Nashik

URBAN STUDIES - II (Subject Code: 4201565)

Fourth Year Architecture

Div : B

Schedule For Semester VIII – 2020-21

Academic Year – 2020-21

Faculty Team: Prof. Purva Shah, Prof. Amruta Sawant

WEEK. NO.	DATE	TOPIC	MODE OF DELIVERY / ASSIGNMENTS
1	6 th January 2021	Introduction to syllabus. Guidelines for Competition entry – streets for people Smart city Challenge	Lecture
2	13 th January 2021	Review of Competition entry – streets for people Smart city Challenge	Studio Discussion
3	20 th January 2021	Presentation by groups of the competition entry – review and comments	Presentation
4	27 th January 2021	Presentation by groups of the competition entry – review and comments	Presentation
5	3 rd February 2021	Urban issues identification Process and understanding	Lecture – Purva Shah Urban design intervention exercise
6	10 th February 2021	Urban issues discussion	Studio
7	17 th February 2021	Urban issues analysis and presentation	Studio
8	24 th February 2021	Surveys and mapping techniques Types of surveys	Lecture – Purva Shah List the surveys you have done for the smart city competition and Urban issues - intervention exercise.
9	3 rd March 2021	Planning process Survey Analysis Proposal Development E.g. Lavasa, GIFT, Regional plan, DP plan, Town planning schemes etc.	Lecture – Purva Shah Identify a city with proposed DP Comparative study of previous – proposed and existing on site condition.
10	10 th March 2021	DP plans and town planning schemes Town planning proposals study actual vs DP proposals	Presentations
11	17 th March 2021	DP maps Town planning proposals study Urban fabric reading – actual vs DP proposals	Presentations
12	24 th March 2021	Various Planning and Urban Design Legislation	Lecture through specific cases – Amruta



		Unified DCR UDPFI guidelines MRTP act	Sawant List of the Guidelines followed in India with short description.
13	31 st March 2021	Urban renewal and Urban Conservation – concept, guidelines and examples JNNRUM, Hriday, Amrut, Swadesh Darshan, etc Amritsar UK – Stratford upon Avon Fort Mumbai Delhi Urban Arts commission	Lecture – Amruta Sawant List of all the government schemes and their short description Conservation guidelines manual study – one town
14	7 th April 2021	Urban conservation case studies	Presentations
15	14 th April 2021	Urban conservation case studies	Presentations
16	21 st April 2021	Urban economics – demand and supply, housing finance, govt. schemes and various bodies	Lecture – Amruta Sawant List of bodies and their short description
17	28 th April 2021	Final Submission 1. Smart city competition 2. Urban Design Intervention exercise 3. List of surveys 4. Comparative study of DP 5. List of Government current schemes 6. List of Guidelines 7. Urban conservation case study 8. List of Finance bodies	Submission – Studio
18	5 th May 2021	Pre-Final Marking	Studio
19	12 th May 2021	Final Marking	Studio





M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

E) TEACHING PLAN- SAMPLES

2. AY- 2019-2020



M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2019-2020.

Sub: **A.G.D-I**

Teacher: DIV A: KM,AP.

Subject Module No.: 17

Subject code: 1201905 (SS)

Sem: I

Year: F.Y. B.ARCH (DIV- A)

Title :	Architectural Graphics And Drawings -I
Objective :	<ul style="list-style-type: none"> To introduce students architectural drawing techniques and language of graphics, its vocabulary & grammar. To enable students to express 3D objects and components by using various graphic projection system To introduce various techniques of sketching and importance of measurement drawings.

	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required	Conducted By
1.	05/08/2019	Introduction to Architectural drawings and graphics. Introduction to drafting tools Lines – 1. Basics of line 2. Gradations of lines	Listing of Drafting tools, instruments and stationary Horizontal, vertical and lines at angles (2 drgs)	Introduction – Lecture Studio	
2.	06/08/2019	Rotation of square by 15 degree and tilting square from single points.	Use of set squares – tilting & rotation (2 drgs)	Lecture and drafting in Studio	
3.	08/08/2019	Architectural Lettering		Lecture and drafting in Studio	
4.	15/08/2019	INDEPENDENCE DAY			
5.	22/08/2019	Material annotations – Material texture	Material texture & annotations (1 drg)	Lecture and drafting in Studio	
6.	29/08/2019	Graphic Scales and applications of different scales	Different scale calibration (1 drg)	Lecture and drafting in Studio	
7.	05/09/2019	Markings – MID TERM Orthographic projections Basic 2d shapes	Markings Square, triangle-up to octagon. (1 drg)	Markings Lecture and drafting in Studio	
8.	12/09/2019	Euclidian 3D solids and their generation		Lecture and drafting in Studio	
9.	19/09/2019	Orthographic projection Simple objects	Various simple object (4 nos) (2 drgs)	Lecture and drafting in Studio	
10.	26/09/2019	Orthographic projection Curvilinear objects	Various curvilinear object (4 nos) (2 drgs)	Lecture and drafting in Studio	Scales and Annotations
11.	03/10/2019	Orthographic projection Curvilinear objects	Cont. Sheet 2	Lecture and drafting in Studio	Orthographic sheet 1
12.	10/10/2019	Orthographic projection of single inclination - basic object	Various object with inclined angle (4 nos) (2 drgs)	Lecture and drafting in Studio	
13.	17/10/2019	Orthographic projection of single inclination - basic object	Cont. Sheet 2	Lecture and drafting in Studio	All 9 sheets submission
14.	24/10/2019	Cut section of building components			



15.	31/10/2019	PREFINAL MARKING			Inclined and cut section sheets (3)
16.	07/11/2019	Scaled drawing to 1:50 scale	Plan, section and two elevations(1 drg)	Drafting in studio	
17.	14/11/2019	Scaled drawing submission and marking	Plan, section and two elevations(1 drg)	Drafting in studio and submission	
18.	21/11/2019	FINAL SUBMISSION			

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
1.	---	Tutorials.	---	---
2.	14 modules	Assignment	16 -17 sheets and sketch book	Studio
3.	---	Test	---	---
4.	---	Any Other	---	---
5.	05/10/2017 & 30/11/2017	Assessment	Mid term and final marking	Studio

Reading List

No.	Title & Contents	Author
1.	Architectural Graphics	Francis D.K.Ching
2.	Geometrical & Building drawings	Kelsey W.E.
3.	Architectural Graphics	Leslie Martin
4.	Essential Of Drafting	B.James
5.	Practical Plane and Solid Geometry	H.Joseph and Morris
6.	Rendering with pen & ink	Gill Robert
7.	Architectural Delineation	Burden Ernest
Feed back		

NOTE: Activity may include -

- Lecture
- Discussions
- Guest lecture
- Presentation
- Audio visual Session
- Self study



M.V.P.'s COLLEGE OF ARCHITECTURE, NASHIK - 422 002.**Academic year 2019-2020**

Sub: Building Technology & Materials-III

Sem.: III Year: S.Y.B.Arch.(Div-A)

Name of the Teachers: Prof. Sharmishtha Surajiwale, Prof. Manisha Rajole

Subject Code : 2201518(SV) 2201519(PP)

Marking Scheme : [Viva-25+25] + [SS-25+25] + [Insem-30] + [Endsem-70] = 200 ; Credits – 5

Title :	Building Technology & Materials – III
Objective :	# Understand the basic principles of RCC construction. # Study the various types of deep and shallow foundations, used in different types of soils for framed construction. # Study other components of building project like sheet roofing, water proofing, doors, flooring materials etc.,

No	Date	Lecture Content	Method	Studio Conduct Sheet Drafting	Faculty
1	13.06.19	# Sheet roofing	Lecture	Journal Writing	AP
2	20.06.19	# Flooring and floor finishes	Lecture + Campus visit	Site Visit-1(Balaji Mandir, Hindustan Pipes, Trimbak Rd)	AP
3	27.06.19	# Cement & Concrete # Steel Reinforcement # Tools for concreting	Lecture	Site Visit-2 (Concrete Testing Lab) Journal Writing	SS
4	04.07.19	# Foundations Different Types	Lecture	Site Visit-3 Drawing-1	MR
5	11.07.19	# Foundations Different types cont.	Lecture	Drawing-2	
6	18.07.19	# Damp proof courses # Revision	Lecture	Journal checking	MR
7	25.07.19	In-Sem Exam. & Mid-Sem Marking			
	01.08.19	# Sliding Folding Doors	Lecture	Site Visit-4 (Enox, Ganagpur Rd) Drawing-3	SS
9	08.08.19	# Sliding Folding Doors	Lecture	Drawing-3 cont.	
10	15.08.19	Holiday – Independence day			
11	22.08.19	# Rolling shutter, collapsible	Lecture+ Campus visit	Drawing-4	MR
12	29.08.19	# Fencing and Gates	Lecture+ Campus visit	Drawing-5	SS
13	05.09.19	# R. C.C	Lecture	Drawing-6 Ref. Their own design drg	SS
14	12.09.19	# R. C.C		Site Visit-5 (if site visit 2 is not available)	
15	19.09.19	# R. C.C		Drawing-7 cont.	
16	26.09.19	# R. C.C		Completion of all drgs	
17	03.10.19	Prefinal Marking			
18	10.10.19	Final Marking			



No	Date	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
A	—	Tutorial	Sketch Book, Market Survey, Journal	—
B	16 modules	Assignment	7 Sheets & Journal	Studio
C	25.08.19	Theory Exam	30 marks In-Sem Exam	Class
D	25/08/2019 10/10/2019	Assessment	Mid-Term Marking Final Marking	
F				
F	20.06.19 27.06.19 04.07.19 01.08.19 29.08.19 12.09.19	Site Visits 1.Flooring 2.Concrete 3.Foundation 4.SD,SFD 5.Fencing,Gates 6.R C.C	1.Balaji Mandir & Hindustan Pipes, Trimbak Rd 2. Concrete Testing Lab 3. Construction Site 4. Enox, Ganagapur Rd 5. Campus visit 6.Construction Site	Sketchbook

No	Title	Author
1	Building Construction - Vol 1 to 4	Mackay W.B.
2	Building Construction - Vol 1 to 5	Barry
3	Construction Technology - Vol 1 to 6	Chudley
4	Building Construction Illustrated	Ching Francis D.K.

Note : Activity may include

- Lecture
- Audio-Visual session
- Presentation
- Guest Lecture
- Discussions
- Self study



M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2019-2020.

THIRD YEAR B. ARCH- WD-II

Sub: **WORKING DRAWING-II**

Faculty: **A.N, A.K, A.P.**

Subject Module No.: **18**

Subject code: **3201543(SS)**

Sem: **7,** DIV: **A & B**

Year: **Third. Y. B.ARCH**

Title :	WORKING DRAWING- II
Objectives :	<ul style="list-style-type: none">• To Introduce idea of Design Development and detailing and its relevance in converting 'concept design' to working drawing and hence the realization of design on site. □• To imbibe further the importance of working drawings as an essential tool for effective site execution and execution of a building contract. □• To expose to the standard methods, conventions, drawing annotations including International standards, IS codes, its application in working drawing set with material and component and schedules. □

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
1.	12/06/2019	Introduction to subject working drawing of RCC structure	Difference between Load bearing and RCC	Introduction – Lecture
2.	19/06/2019	Finalisation of working area of previous year design along with column position	Discussion with students	Discussion – Studio
3.	26/06/2019	Center line plan and foundation plan	On tracings – scale 1:50	Submission – Studio (Guest lecture)
4.	03/07/2019	Ground floor plan and first floor plan	On tracings – scale 1:50	Submission – Studio
5.	10/07/2019	Terrace plan + Roof plan	On tracings – scale 1:50	Discussion – Studio
6.	17/07/2019	Sections- Min two- trough staircase and toilet	On tracings – scale 1:50	Discussion – Studio
7.	24/07/2019	Four side elevations	On tracings – scale 1:50	Submission – Studio
8.	31/07/2019	Drafting on cad of all plans	Cad drafting	Drafting – Studio
9.	07/08/2019	Marking (all plans)	In cad – draft print	Marking- stage -1
10.	14/08/2019	Sections and elevations	In cad –draft print	Discussion – Studio
11.	21/08/2019	MID term marking – up to elevations	In cad – draft print	Marking- stage -2
12.	28/08/2019	Public toilet details	Drafting in studio	Discussion – Studio



13.	04/09/2019	Submission of toilet detail	In cad –draft print	Submission – Studio
14.	11/09/2019	Staircase detail	Drafting in studio	Discussion – Studio
15.	18/09/2019	Submission of staircase detail	In cad –draft print	Submission – Studio
16.	25/09/2019	Flooring +architectural details	In cad –draft print	Submission – Studio
17.	02/10/2019	Pre-final marking	Draft folio	Studio marking
18.	09/10/2019	Final internal Marking	Final folio	Studio marking

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
6.				
7.	18 modules	Assignment	Submission – technical Report	Studio
8.	----	Test	---	---
9.	---	Any Other	---	---
10.	07/08/2019 & 21/08/2019 09/10/2019	Assessment	Mid term and final marking	Studio
11.		Site visit	As req..	---

Reading List

No.	Title & Contents	Author
1.		
2.		
3.		
4.		
5.		
6.		
7.		
Feed back		

NOTE: Activity may include -

- Lecture
- Discussions
- Guest lecture
- Presentation
- Audio visual Session
- Self study



M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.**Academic year 2019-2020.****FOURTH YEAR B. ARCH**Sub: **DESIGN - VII**Name of the Teacher: **A.N,A.K,S.P,A.C,S.M,A.S,N.N**Subject Module No.: **32**Subject code: **4201554 (S)** , Credit: **8**Sem: **I (250 Marks/ Sem)**Year: **FORTH.Y. B.ARCH,** Div: **A / B**

Title :	Design- VII (Sem-I)
Objective:	<ul style="list-style-type: none"> Understanding and application of principles of multifunctional complex building design in terms of architectural drawings and models. Integration of function, aesthetics, structure & services in the various multifunctional buildings. Analysis of multiple buildings accommodated within a delineated zone and their relationship with each other in a larger environmental context to harmony technology, material, climate etc.. To Analyze of built and un-built spaces with respect to activities, circulation (pedestrian/ vehicular) and elements in landscape etc... To understand the geology of sloping site, understanding of contours, analysis and management of slopes etc... To understand various issues and aspects like sustainability, Earthquake proof construction, barrier free environment, Renewable energy, disaster management etc.. and the integration of these aspects in architectural design process.

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
1.	11/06/2019 (TUE)	Introduction to Architectural Design –VII. Introduction to various topic.	Distribution of topics & group formation	Studio- discussion
2.	14/06/2019 (FRI)	Data collection & book case studies	Data collection	Studio- discussion
3.	18/06/2019 (TUE)	Presentation on book case studies (Home work)	Case study presentation	Studio – (Electives)
4.	21/06/2019 (FRI)	Presentation on book case studies (Home work)	Case study presentation	Studio (Electives)
5.	25/06/2019 (TUE)	Presentation on book case studies	Case study presentation	Studio- discussion
6.	28/06/2019 (FRI)	Presentation on book case studies	Case study presentation	Jury -1
7.	02/07/2019 (TUE)	Site & site analysis Scale 1: 200	Site analysis + model	Studio
8.	05/07/2019 (FRI)	Site & site analysis Scale 1: 200	Concept & initial development	Studio- discussion
9.	09/07/2019 (TUE)	Concept & Zoning	Zoning	Studio- discussion
10.	12/07/2019 (FRI)	Concept & Zoning	Design development	Studio- discussion



11.	16/07/2019 (TUE)	Concept & Zoning	Design development	Jury -2*
12.	19/07/2019 (FRI)	Single line plan Scale 1: 200	Design development	Studio- discussion
13.	23/07/2019 (TUE)	Single line plan Scale 1: 200	Design development	Studio- discussion
14.	26/07/2019 (FRI)	Single line plan + sections Scale 1: 200	Design development	Studio- discussion
15.	30/07/2019 (TUE)	Single line plan + model Scale 1: 200	Design development	Studio- discussion
16.	02/08/2019 (FRI)	Single line plan + model Scale 1: 200	Design development	Studio- discussion
17.	06/08/2019 (TUE)	Single line plan + sections Scale 1: 200	Design development	Studio- discussion
18.	09/08/2019 (FRI)	Single line plan + model Scale 1: 200	Design development	Studio- discussion
19.	13/08/2019 (TUE)	Single line plan + model Scale 1: 200	Design development	Studio- discussion
20.	16/08/2019 (FRI)	Single line plan + model Scale 1: 200	Design development	Studio- discussion
21.	20/08/2019 (TUE)	Single line plan Jury + study model	Single line plan Jury	Jury -3
22.	23/08/2019 (FRI)	Single line plan Jury + study model	Single line plan Jury	Jury -3
23.	27/08/2019 (TUE)	Double line plan Scale 1: 200	Design Development	Studio- discussion
24.	30/08/2019 (FRI)	Double line plan Scale 1: 200	Design Development	Studio- discussion
25.	03/09/2019 (TUE)	Double line plan Scale 1: 200	Design Development	Studio- discussion
26.	06/09/2019 (FRI)	Double line plan +sections Scale 1: 200	Design Development	Studio- discussion
27.	10/09/2019 (TUE)	Holiday (MOHARAM)	Holiday *	-----
28.	13/09/2019 (FRI)	Double line plan +sections Scale 1: 200	Design Development	Studio- discussion
29.	17/09/2019 (TUE)	Double line plan +elevations Scale 1: 200	Design Development	Studio- discussion
30.	20/09/2019 (FRI)	Double line plan +Services Scale 1: 200	Design Development	Studio- discussion
31.	24/09/2019 (TUE)	Double line plan+ Model Scale 1: 200 (on tracing)	Double line plan	Jury -5 (internal)
32.	27/09/2019 (FRI)	Double line plan+ Model Scale 1: 200 (on tracing)	Double line plan	Jury -6 *
33.	01/10/2019 (TUE)	Final drawings – plans, elevations & sections	Design Development	Studio- discussion
34.	04/10/2019 (FRI)	Final drawings – plans, elevations & sections	Design Development	Studio- discussion
35.	08/10/2019 (TUE)	Holiday (DASARA)	Holiday *	-----
36.	11/10/2019 (FRI)	Pre-final submission	Double line drawings	Studio
37.	15/10/2019 (TUE)	Final – folio submission marking	Final folio	Final Internal Marking

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
6.	28/06/2019	Case study.	Book case studies.	Book review and Jury



7.	35 modules	Assignment	• Major design project	Studio
8.	16/08/2019 & 20/08/2019	IN Studio design project	Time bound project	12 hrs time bound project
9.	---	Any Other	---	---
10.	25/06/2019 16/07/2019 20/08/2019 24/09/2019 15/10/2019	Assessment	• Case studies • Zoning • Single line plan • Double line plan • Final marking	Studio
11.	03/07/2019	Site visits	Project site	Site visit

Reading List

No.	Title & Contents	Author
1.	A Place in Shade (2010)	Correa, C.
2.	Campus Design in India (1969)	Kanvinde, A., & Miller, H.
3.	Site Planning (1962)	Lynch, K.
4.	Elements of Space Making (2007)	Pandya, Y., & Foundation, V. S.
5.	Building in the Garden (1995)	White, S.
6.	The pattern language	Christopher Alexander
7.		
Feed back		

NOTE: Activity may include -

- Lecture
- Discussions
- Guest lecture
- Presentation
- Audio visual -Session
- Self study

Ar. A. Nasikakar
Ar. A. Kemnar

Ar. S. Pawar
Ar. N. Nikam

Ar. A. Choudhari
Ar. A. Sonawane

Ar. S. Mistry



M.V.P.'s COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2019-2020

Sub: **Building Construction & Materials – II**

Name of the Teachers: AN, KM, NM

Sem.: II Year: F.Y.B.Arch.(Div-A)

Subject Code : 1201910(PP) 1201911(SV)

Marking Scheme : [Viva-25+25] + [SS-25+25] + [Insem-30] + [Endsem-70] = 200 ; Credits – 5+2

Title :	Building Technology & Materials – II
Objective :	To develop fundamental understanding of various building elements, their function and behavior under various conditions with specific reference to Timber construction.

No	Date	Lecture Content	Method	Studio Conduct Sheet Drafting	Submission	Faculty
1.	16-Dec	AUDIT COURSES				
2	13-Dec	# Reinforced masonry walls, pillars & lintels # Timber as a material		Journal Writing		AN KM
3	30-Dec	# Timber Derivatives # Timber Joinery	Lecture + PPT	Drg 1- TW Joinery	Journal	KM AN
4	06-Jan	# Door Theory, Paneled Door and Solid door	Lecture + PPT	Drg 2- TW Doors	Drg 1 Journal	NM
5	13-Jan	# Roofing materials for small span structures- Mangalore tiles and sheet roof coverings # Carpentry Tools, Hardware	Lecture + PPT	Drg 2- Cont. Journal Writing	Journal Market survey – Timber derivative s	AN NM
6	20-Jan	# Timber Casement window	Lecture + PPT	Drg3 – TW Window	Drg 2	KM
7	27-Jan	INSEMESTER EXAM				
8	03-Feb	SETTLEMENT TOUR				
9	10-Feb	# Timber Single Floor Ground # Timber Single Floor First	Lecture + PPT	Drg4 - TW Single Floor	Journal + M.S. Roofing tiles	AN
10	17-Feb	Mid Term Marking – Drg 1 to 4 + journal+ Market survey				
11	24-Feb	# Timber Double Floor First with Balcony	Lecture + PPT	Drg5 - TW Double Floor		AN
12	02-Mar	# Timber Staircase	Lecture + PPT	Drg6- TW Staircase	Drg5	KM
13	09-Mar	# Single roof up to 6m span	Lecture + PPT	Drg7 – TW Single Roof	Drg6	AN



14	16-Mar	# Timber trusses: King post, Queen post	Lecture + PPT	Drg8 – TW Trusses king post and queen post	Drg7 + journal	NM
15	23-Mar	# Built up trusses(theory) # Vaults & Domes	Lecture + PPT	Drg8 – Cont. Journal Writing		NM
16	30-Mar	# Wooden partitions and wall paneling # Introduction to earthquakes.	Lecture + PPT	Drg9 – wooden partitions + journal writing	Drg8	NM KM
17	06-Apr	PRE FINAL MARKING + Revision				
18	13-Apr	FINAL INT. MARKING – All Submissions (Drgs, Journal, Documentation, Market Survey)				

No	Title	Author
1	Building Construction - Vol 1 to 4	Mackay W.B.
2	Building Construction - Vol 1 to 5	Barry
3	Construction Technology - Vol 1 to 6	Chudley
4	Building Construction Illustrated	Ching Francis D.K.



MVPS.'s COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2019-2020

Sub: **Building Technology & Materials-IV**

Sem.: IV Year: S.Y.B.Arch.(Div-A)

Name of the Teachers: Prof. Manisha Rajole, Prof.Sharmishtha Surajiwale,

Subject Code : 2201527(SV) 2201528(PP)

Marking Scheme : [Viva-25+25] + [SS-25+25] + [Insem-30] + [Endsem-70] = 200 ; Credits – 5

Title :	Building Technology & Materials – IV
Objectives	# To introduce the students to RCC frame construction and a basic understanding of ferrocement construction. # To introduce students to different building materials related to RCC Construction.

SEMESTER SCHEDULE

No	Date	Unit	Lecture Content	Method	Faculty
1	12.12.2019		# Syllabus Introduction	Lecture, Discussion	MR/SS
2	19.12.2019	Unit 1	# Special Concretes- RMC	Lecture, Site Videos	MR
3	26.12.2019	Unit 1	# Special Concretes - LWC	Lecture, Site Videos	MR
4	02.01.2020	Unit 1	# Special Concretes - Ferrocement	Lecture, Site Videos	MR
5	09.01.2020	Unit 2	# Reinforced Cement Concrete Construction One way Two way Slabs	Lecture, Site Videos	SS
6	16.01.2020	Unit 2	# Reinforced Cement Concrete Construction Cantilever slabs, Column beam junctions	Lecture, Site Videos	SS
7	23.01.2020	Unit 2	# Reinforced Cement Concrete Construction Balcony, Canopy, Toilet Sunk Slab	Lecture, Site Videos	SS
8	30.01.2020	# In Semester Examination			
9	06.02.2020	Unit 2	# Reinforced Cement Concrete Construction - Staircase	Lecture, Site Videos	MR
10	13.02.2020	Unit 3	Vertical Transportation: Lifts, Escalators & Conveyors	Lecture, Site Videos	SS
11	20.02.2020	Unit 3	Vertical Transportation: Lifts, Escalators & Conveyors	Lecture, Site Videos	SS
12	27.02.2020	Unit 4	Non Timber windows	Lecture, Site Videos	MR
13	05.03.2020	Unit 4	Non Timber windows	Lecture, Site Videos	MR
14	12.03.2020	Unit 4	Basement Water proofing	Lecture, Site Videos	MR
15	19.03.2020		# Prefinal Marking	Lecture, Site Videos	MR/SS
16	26.03.2020		# Final Marking		MR/SS



Maratha Vidya Prasarak Samaj's			
COLLEGE OF ARCHITECTURE, Nashik-422013			
A-Y 2019 -2020		Prof. Purva Shah, Prof. Gaurav Arbooz	
SCHEDULE FOR BUILDING TEHNOLOGY AND MATERIAL VI			
SR. NO	DATE	TOPIC	MODE OF DELIVERY
1	9th December 2019	Introduction to Sem 6	Lecture
	UNIT 1	Materials and their properties and characteristics in the building industry	Followed By Studio. Journal Writing
		Glass	Market survey, comparative analysis
		Metal and Metal Alloys	By Gaurav Arbooz
2	16th December 2019	Materials and their properties and characteristics in the building industry	Lecture By Gaurav Arbooz
	UNIT 1		Followed By Studio. Journal Writing
		Plastics and Rubbers	Market survey, comparative analysis
		Adhesives and Sealants	
3	23rd December 2019	Lecture on Earthquake resistant Framed Structure	Lecture with Power Point Presentation
	UNIT 2	Issues Covered	Followed By Studio. Journal Writing
		1) Ductility and rigidity of earthquake Loads	
		2)Overview of eartquake resisting framed Syst	By Purva Shah
		3)Appli of movement resisting frames,cross braced Frames and shear wall	
4	30th December 2019	Lecture on Earthquake resistant Framed Structure	Lecture with Power Point Presentation
	UNIT 2	Issues Covered	Followed By Studio. Journal Writing
		4)Role of Floor and Roof Diaphragm in earthquake resistance	By Purva Shah
		5)Retrofitting and Base Isolation	
5	6 th January 2020	Checking of Topic 1& 2	Studio - compilation of notes
			Marking for journal, market survey



6	13 th Jan 2020	Single Basement Construction with water proofing details, alternate ways of access provisions for ventilation	Lecture with Power Point Presentation Studio. Sheet 1 and 2 By Gaurav Arbooz
		1) water proofing details	
		2) Understand structure column beam placing	
		3) Parking norms	
		4) Service Details	
7	20 th Jan 2020	IN SEM	Exam
8	27th Jan 2020	Single Basement Construction with water proofing details, alternate ways of access provisions for ventilation	Studio. Sheet 1 and 2
	UNIT 3	1) water proofing details	
		2) Understand structure column beam placing	
		3) Parking norms	
		4) Service Details	
9	3 rd Feb 2020	Retaining Walls and its Terminology	Lecture with Power Point Presentation
	UNIT 4	Mass/ Gravity Retaining Wall, Cantilever Retaining Wall	Followed By Studio. Journal Writing
		Counterfort /Buttress Retaining wall	By Purva Shah
		Precast Retaining Wall	
		Flyover Retaining Wall	
		Reinforced Earth Construction.	
10	10 th Feb 2020	Retaining Walls and its Terminology	Studio. Journal writing
	UNIT 4	Mass/ Gravity Retaining Wall, Cantilever Retaining Wall	
		Counterfort /Buttress Retaining wall	
		Precast Retaining Wall	
		Flyover Retaining Wall	
		Reinforced Earth Construction.	
11	17 th Feb 2020	Steel Structures	
	UNIT 4	Structural Steel Sections, Built Up Sections	Lecture with Power Point Presentation
		Assembly of Steel Structure with trusses with North Light Truss	Studio. Sheet 1 and 2
		Multi Storey steel building assembly with stanchion, beams and metal deck flooring.	By Gaurav Arbooz



12	24th Feb 2020	Steel Structures	
	UNIT 5	Structural Steel Sections, Built Up Sections	Studio. Sheet 1 and 2
		Assembly of Steel Structure with trusses	
		with North Light Truss	
		Multi Storey steel building assembly with	
		stanchion, beams and metal deck flooring.	
13	2 nd March 2020	Checking of Sheets on Unit 3 and 5	
	UNIT 5		
14	9 th March 2020	HOLIDAY	HOLI
	UNIT 6		
15	16 th March 2020	Modular Coordination and Industrialized	Lecture with Power Point Presentation
	UNIT 6	building Construction	Studio. Sheet 1 and 2
		Floor and Roof Construction as per CBRI	By Purva Shah
		Floor and Roof Construction using partially	
		precast floor and Joist	
		Floor and Roof Construction Precast Waffle	
		Unit	
		Locally Available Precast Units	
16	23rd March 2020	Modular Coordination and Industrialized	Lecture with Power Point Presentation
		building Construction	Studio. Sheet 1 and 2
		Floor and Roof Construction as per CBRI	
		Floor and Roof Construction using partially	
		precast floor and Joist	
		Floor and Roof Construction Precast Waffle	
		Unit	
		Locally Available Precast Units	
17	30th March 2020	Final Checking	FINAL MARKING (Sheet + Journal)



M.V.P.S's College of Architecture, Nashik

URBAN STUDIES - II (Subject Code: 4201565)

Fourth Year Architecture

Div A

Schedule For Semester VII – 2019-20

Academic Year – 2019-20

Faculty Team: Prof. Arpita Bhat, Prof. Sagar Sonawane

WEEK. NO.	DATE	TOPIC	MODE OF DELIVERY / ASSIGNMENTS
1	4 th December 2019	GIVEN TO PP	
2	11 th December 2019	Introduction to syllabus Group formation for entire semester Role of an Urban Designer : Issues' identification techniques – Area / site potential identification and preliminary report	Lecture
3	18 th December 2019	Surveys and mapping techniques Types of surveys Discussion on area identified	Lecture
4	25 th December 2019	HOLIDAY X- MAS Site survey	Site visit
5	1 st January 2020	ELECTIVES WORKSHOP	Site visit
6	8 th January 2020	Data collection - discussion For observations and analysis Finalising presentation techniques Justification Strategies Formulate conclusions – support with survey	Lecture Studio discussion
	15 th January 2020	HOLIDAY MAKAR SANKRANTI	
8	22 nd January 2020	Conclusions and proposals Define the nature of proposal	Studio discussion
9	29 th January 2020	DP maps Town planning proposals study Urban fabric reading – actual vs DP proposals	Lecture
10	5 th February 2020	Data collection – on site and from DP Comparison and analysis Finalising presentation techniques Conclusions and recommendations	Studio discussion
11	12 th February 2020	Pre- final reports – both ISSUES and DP study	Studio
12	19 th February 2020	HOLIDAY – SHIV JAYANTI	
13	26 th February 2020	Presentations of both proposals	Presentation
14	4 th March 2020	Presentations of both proposals	Presentation
15	11 th March 2020		Presentation



		Presentations of both proposals	
16	18 th March 2020	TUTORIAL IMAGINARY CASE : exercise related to presentation techniques Mapping techniques Survey representations Justification Strategies	Tutorial
17	25 th March 2020	PRE-FINAL MARKING – IMPROVEMENTS	Marking
18	1 st April 2020	FINAL MARKING	Marking STUDIO



MVPS's College of Architecture, Nashik

Elective III

GIS applications

Fourth year Architecture

A.Y. 2019-20

Faculty : Prof. Abhishek Nasikkar, Prof. Purva Shah

DAY AND DATE	DAY 1 MONDAY, 30.12.2019	DAY 2 TUESDAY, 31.12.2019	DAY 3 WEDNESDAY, 01.01.2020	DAY 4 THURSDAY, 02.01.2020
TIME	Fundamental concepts	GIS approach to solve urban issue	GIS mapping under smart city	Online GIS certificate course
SESSION 1 8.00 – 9.15	<p>What is GIS?</p> <p>Use of GIS in architecture.</p> <p>Application of GIS with examples</p> <p>Assignment 1 - Quiz – Individual</p> <p>Faculty - JJ, AN, PS</p>	<p>What are urban issues?</p> <p>How to identify urban issues</p> <p>Assignment 4- GIS approach to solve Urban Issue Individual</p> <p>Identify an area with issues to be addressed</p> <p>Pick an urban issue to work on</p> <p>Faculty - AN, PS</p>	<p>Importance of GIS mapping for smart city mission</p> <p>spatial issues transportation, utilities, communications, health and human services, natural resource management, environmental management, business, Government, defence, and public safety.</p> <p>Faculty - AN, PS</p>	<p>www.esri.com</p> <p>Arcgis-online-basics/</p> <p>Faculty - AN, PS</p>
TEA BREAK				
SESSION 2 9.30 – 11.00	<p>Hands on experience with maps and geographic data</p> <p>Assignment 2- Group of 5</p> <p>Creating points</p> <p>Digitization- points, Line and Polygon</p> <p>Geo-referencing</p> <p>Faculty - JJ, AN, PS</p>	<p>Identify approach to solve the issue</p> <p>Devise GIS approach for the same.</p> <p>List the geographic data required for addressing the issue.</p> <p>Faculty - AN, PS</p>	<p>Pick any one issue in your city.</p> <p>Recommendations to solve them</p> <p>Faculty - AN, PS</p>	<p>Register for online course</p> <p>Faculty - AN, PS</p>
LUNCH BREAK				
SESSION 3 11.30 – 1.00	<p>Presentation- Spatial Analysis</p> <p>Geographic and projected</p>	<p>Define your research question</p> <p>Information listing</p>	<p>Implementation strategy</p>	<p>Assignment 5 – online Q & A – Individual</p> <p>Solve the</p>



	Faculty - JJ, AN, PS	Faculty - AN, PS	Faculty - AN, PS	Faculty - AN, PS
TEA BREAK				
SESSION 4 1.00 - 2.30	Hands-on Exercise Assignment 3- Group of 5 Spatial Analysis Furnish Maps of final outcome Faculty - JJ, AN, PS	Device steps for analysis Define expected results Faculty - AN, PS	Provide GIS methodology. Faculty - AN, PS	Earn the GIS certificate from ESRI. Faculty - AN, PS





M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

E) TEACHING PLAN- SAMPLES

3. AY- 2018-2019



N.D.M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2018-2019

Sub: Introduction to Architecture

Name of the Teacher: Ar. Purva Shah ✓

Ar. Ankita Pathare

Subject Module No.: 16

Subject Code : 1201507(SV)

Sem.: I

Year: F.Y.B.Arch.(Div- A and B)

Title :	Introduction to Architecture
Objective :	<ul style="list-style-type: none"> To introduce the students to the field of Architecture, its scope and fundamentals

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
1.	01/08/18	Introduction	Definition and scope of Architecture	Lecture +Intro to Master Architect
2.	09/08/18	Introduction Evolution of Architecture	Understanding the difference between a Technologist, Artist and Craftsman	Lecture + Library Ref.+ Discussion on Architect Study
3.	16/08/18	Aesthetic Component	Importance of Aesthetic Components: Scale Proportion and Space and Volume	Lecture
4.	23/08/18	Aesthetic Component	Importance of Aesthetic Components: Mass and Massing	Lecture
5.	30/08/18	Aesthetic Component	Importance of Aesthetic Components: Balance, Symmetry, Pattern, Decoration Intro to Assign. 1	Lecture + Intro to buildings of master architects
6	06/09/18	Assignment 1	Studio Working	Studio for Assign 1
7	13/09/18	HOLIDAY	GANESH CHATURTHI	
8	20/09/18	HOLIDAY	MOHARUM	
9	27/09/18	Functional Component	Climate, Site and Siting,	Lecture + Submission of Assign. 1
10	04/10/18	Functional Component	Circulation, Orientation	Lecture + Introduction of Assign. 2
11	11/10/18	Assignment 2	Studio Working	Studio for Assign 2



11	18/10/18	Structural Component	Material and Structural systems <u>MID TERM MARKING</u>	Lecture + Assign 3.
12	25/10/18	Assignment 3	Studio Working + Intro of Assign.4(Group Work)	Studio for Assign 3
13	01/11/18	Assignment 4	Studio Working	Studio for Assign 4
14	08/11/18	<u>HOLIDAY</u>	DIWALI	
15	15/11/18	<u>PRE-FINAL MARKING</u>	Lecture on Architect's office working + Intro to Assign.5 <u>MARKING</u>	Lecture + Marking of Assignments 1 to 4.
16	22/11/18	<u>FINAL MARKING</u>	All Assignments	
17.	29/11/18	<u>FINAL MARKING</u>		

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
A	-	Tutorials.	-	Sketchbook,
B	-	Assignment	Journal	
C	-	Test	--	-
D	18/10/18 22/11/18	Assessment	Mid-Term Marking Final Marking	
	-	Site visit	-	

Reading List

No.	Title & Contents	Author
	Design Fundamentals in Architecture	Pramar
	Architecture: Form, Space and Order	F.D.K. Ching
	A visual Dictionary of Architecture	F.D.K. Ching

NOTE: Activity may include -

- Lecture
- Discussions
- Guest lecture
- Presentation
- Audio visual Session
- Self study



Second Year B-Arch : Surveying and Levelling

Faculty : Er. Anil Thombre Ar. Hemant Thakare

No.	Date	Activity	Content	Teaching Aid Required	Preparation
1	22-Jun-18	Lecture & Instruments	Introduction to Surveying, Levelling, & Instruments	PPT presentation on Projector	Workshop
2	29-Jun-18	Lecture	Linear Measurement Traversing	PPT presentation on Projector	
3	6-Jul-18	Lecture & Journal	Chain Survey (Base Line, Tie Lines, Check Line) Methods and Instruments	PPT presentation on Projector	Workshop
	13-Jul-18	Practical	Chain Survey	Workshop & Field work - Survey chains, ranging rods, cross staff	
5	20-Jul-18	Practical	Chain Survey	Workshop & Field work - Survey chains, ranging rods, cross staff	
6	27-Jul-18	Lecture & Journal	Directional & Angular Measurements Methods of Traversing	PPT presentation on Projector	
7	3-Aug-18	Lecture	Levelling, Terminologies, Methods, & Instruments	PPT presentation on Projector	Hand Drawn Drawings
8	10-Aug-18	Lecture & Journal	Contours Methods of contouring	PPT presentation on Projector	Hand Drawn Drawings
7	17-Aug-18	Marking	Journal and Practicals Checking and Marking		Studio
10	24-Aug-18	Practical	Profile levelling	Workshop & Field work - Dumpy Level, Ranging Rods, Wooden Pegs	
11	31-Aug-18	Lecture	Plane Table Survey Methods of Plane Table Survey	PPT presentation on Projector	
12	7-Sep-18	Lecture & Journal	Use of Planimeter	PPT presentation on Projector	
13	14-Sep-18	Practical	Plane Table Survey Compass survey	Workshop & Field work - level tube, plane table, ranging rods, alidade, prismatic compass	
14	21-Sep-18	Lecture & Practical	Transit Theodolite Block Contour Survey	Workshop & Field work - Transit Theodolite, Level Tube, Ranging Rods, Pegs, Plumbers Bob	
15	28-Sep-18	Practical	Block Contour Survey	Fieldwork / Drafting in the Studio	
16	5-Oct-18	Final marking	Journal and Practicals Checking and Marking		Studio



8-2019 **THIRD YEAR** **Working Drawing II**
Faculty: Prof. Abhishek Nasikakar, Prof. Tejashree Thangaokar, Prof. Meghana Joshi, Prof. Rachana Bhargaw

Objective :

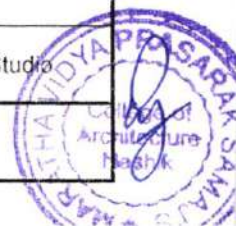
- The students should be able to prepare drawings in sufficient details such that the contractor is able to construct a building as per the design.

- Graphical presentation of all the components of a building along with dimensioning and annotations.

- Understand and apply IS Codes and internationally accepted norms / conventions / methods of preparing a working drawing along with tabulation of schedules of materials, finishes and hardware.

- Linking up working drawings / specifications / bill of quantities in an architectural project.

No.	Date	Topic	Content	Teaching Aid & Preparation Required
1	6/20/2018	Introduction	Design selection of students own project	Lecture + Studio
2	6/27/2018	Centreline plan	Finalise position of column and footing position	Lecture + Studio
3	7/4/2018		Working on centreline and footing plans	Lecture + Studio
4	7/11/2018	Ground floor plan	submission of centreline and foundation and working on ground floor plan	Lecture + Studio
5	7/18/2018		Working on Interior of Ground Floor plan	Lecture + Studio
6	7/25/2018	First Floor plan	Submission of Ground floor plan and working on first floor plan	Lecture + Studio
7	8/1/2017	Roof Plan	Submission of First Floor plan and working on Roof plan	Lecture + Studio
8	8/8/2018	Sections	Submission of Roof plan and working on Sections	Lecture + Studio
9	8/15/2018		HOLIDAY	
10	8/22/2018	Elevations	Submission of Sections and working on Elevations and Mid Term marking	Lecture + Studio
11	8/29/2018		Working on Elevations	Lecture + Studio
12	9/5/2018	Detail Drawings	Submission of Elevations and Working on Details of Staircase, Toilet, Interior	Lecture + Studio
13	9/12/2018		Working on Details	Lecture + Studio
14	9/19/2018	PREFINAL SUBMISSION		Lecture + Studio
15	9/26/2018		Working on all Incomplete Sheets	Lecture + Studio
16	10/3/2018	Internal Final Submission Marking		



M.V.P.'s COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2018-2019

Sub: **Building Technology & Materials – III** Name of the Teachers: AB,TT,NK,SS,RJ
 Sem.: III Year: S.Y.B.Arch Subject Code : 2201518(SV) 2201519(PP)
 Marking Scheme : [Viva-25+25] + [SS-25+25] + [Insem-30] + [Endsem-70] = 200 ; Credits - 5

Title :	Building Technology & Materials – III
Objective :	Understand the basic principles of RCC construction. To study the various types of deep and shallow foundations, used in different types of soils for framed construction. To study other components of building project like sheet roofing, water proofing, doors, flooring materials etc.,

No	Date	Lecture Content	Method	Studio Conduct Sheet Drafting	Submission	Faculty
1	21.06.18	# Introduction to Cement and Cement concrete	Lecture	Journal Writing		AB
2	28.06.18	# Steel reinforcement # Sheet roofing	Lecture + PPT	Questions to be floated for Tutorial, Site visit	Journal	AB TT
3	05.07.18	# Flooring and floor finishes	Lecture + PPT	Journal Writing	Journal	NK
4	12.07.18	# Damp proof courses	Lecture	Journal Writing	Journal	RJ
5	19.07.18	# Foundations different types	Lecture	Journal Writing	Journal	AB, TT,SS
6	26.07.18	# Revision	Lecture	Journal checking		AB
7	02.08.18	In Sem Exam				
8	09.08.18	#Contd. lecture on foundation	Lecture	Drg1- Shallow and deep Foundations		TT,SS
9	16.08.18	# Sliding Folding Doors	Lecture + PPT	Sheet		SS
10	23.08.18	# Rolling shutter, collapsible	Lecture	Drg2 - Types of Sliding Folding Doors SITE VISIT		AB
11	30.08.18	# Fencing and Gates	Lecture + PPT	Site visit, Drafting of sheet		TT
12	06.09.18	#		Drg3 Fencing and Gates		
13	13.09.18	Holiday Ganesh Chaturthi				



14	20.09.18	# R. C.C	Lecture	Drg 4-Ref. Their own design drg		AB
15	27.09.18	# Pre final Marking		Completion of all drgs		
16	04.10.18	FINAL INT. MARKING – All Submissions (Drgs, Journal, Sketchbook, Market Survey)				

No	Date	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
A	—	Tutorial	Sketch Book, Market Survey	—
B	16 modules	Assignment	6 Sheets & Journal	Studio
C		Test		
D	26/07/2018 & 27/09/2018	Assessment	Journal marking, & Pre final marking	
F	28/06/18 & 23/08/18	Site Visit	R.C.C and Sliding Folding Doors	Sketchbook

No	Title	Author
1	Building Construction - Vol 1 to 4	Mackay W.B.
2	Building Construction - Vol 1 to 5	Barry
3	Construction Technology - Vol 1 to 6	Chudley
4	Building Construction Illustrated	Ching Francis D.K.

Note : Activity may include

- Lecture
- Audio-Visual session
- Presentation
- Guest Lecture
- Discussions
- Self study



N.D.M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic Year 2018-2019

Sub: **ABTS-1**

Name of the Teacher: Ar.Umesh Hirawe,
Ar.Rachana Bhargav

Subject Module No.:

Subject Code : 4201555 (SV)

Sem.: I

Year: FOURTH.YEAR .B.Arch.

Title :	ADVANCE BUILDING TECHNOLOGY AND SERVICES 1
Objective :	<ul style="list-style-type: none"> To introduce students to advanced structural systems materials and services required in buildings / situations with complexities and special requirements.

No.	Date & Time	Topic	Content	Teaching Aid & Preparation Required
1.	21/06/18	Introduction (ar. Umesh hirawe)	Introduction to syllabus and overview of subject. Introduction toMULTI BASEMENT.	Lecture hall,+ STUDIO working on tracing, layout
2.	28/06/18	MULTI BASEMENT (ar. Umesh hirawe)	Construction details, services,layout	Lecture + tracing Drawing in Studio
3.	05/07/18	Multi basement	Group discussion and presentation on various aspects of multi basement	Lecture + Drawing in Studio+discussion
4.	12/07/18	Multi basement	Studio work	Drafting studio,discussion
5.	19/07/18	Industrial roofing,long span in rcc and other mat. (ar.rachana bhargav)	Industrial roofing , various techniques, long span in rcc, and steel (theory)	Drafting studio,discussion
6	26/07/18	Industrial roofing	types, construction details,services	Lecture + Drawing archi. Detailing (1) in Studio
7	02/08/18	---	IN SEM EXAM	-----
8	09/08/18	INDUSTRIAL ROOFING	Studio work On industrial roof, group presentation on various aspects.	Studio constr. Details and submission of multi basement (2sheets)
9	16/08/18	Swimming pools (ar. Umesh hirawe)	Introduction, various const. methods, and types of pool, construction details	Lecture, studio
10	23/08/18	Swimming pool	Other details , various norms, precautions etc. discussion	Lecture ,studio Final submiision of basement(4sheets)
11	30/08/18		Studio work	Submission of industrial roofing + journal



12	06/09/18	All three topic (review)	Studio work and discussion on topic	Studio work
13	13/09/18	holiday		
14	20/09/18	holiday		
15	27/09/18	<u>PREFINAL SUBMISSION</u>	Sheets- <ul style="list-style-type: none"> • Industrial roofing -(2sheets) • Swimming pool -(2 sheets) • Multi basement – (4 sheet) journal- <ul style="list-style-type: none"> • Long span in rcc, steel, tensile 	
16	04/10/18	<u>Final submission</u>		



M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2018-2019.

Sub: **Design- II**

Sem: **II**

Teacher: **DIV A:** UH,KM,SS,RD **DIV B:** AP,BM,TT,RB

Year: **F.Y. B.ARCH (DIV- A&B)**

Title : Design II

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Faculty
1.	18/12/2018	Introduction to Assignment 01 (Architects Study)	Study of allotted Architects, understanding their working philosophy and style, identifying and studying their projects as case study.	BM
2.	21/12/2018	Working on Assignment 01 and Introduction to Assignment 02 (Experiential space for an art installation)	Studio work and To understand the process of conversion of a concept to a 3-D experiential space	AP and UH
3.	25/12/2018	CHRISTMAS HOLIDAY		
4.	28/12/2018	Marking on Assignment 01 Working on Assignment 02	MARKING Studio work	
5.	01/01/2019	Working on Assignment 02	Studio work	
6.	04/01/2019	SOCIALS and EXHIBITION		
7.	08/01/2019	Working on Assignment 02	Studio work	
8.	11/01/2019	Working on Assignment 02	Studio work	
9.	15/01/2019	Working on Assignment 02	Studio work	
10.	18/01/2019	Working on Assignment 02	Studio work	
11.	22/01/2019	Marking on Assignment 02	MARKING	
12.	25/01/2019	Working on Assignment 03	Studio work (Eskey)	KM and RD
13.	29/01/2019	Marking on Assignment 03	MARKING	
14.	01/02/2019	Introduction to Assignment 04 - Biomimicry	Studio work	BM
15.	05/02/2019	Working on Assignment 04 Pre tour introduction	Studio work	
16.	08/02/2019	INSEM		
17.	12/02/2019	Pre Tour: Settlement Tour Documentation Presentation		
18.	15/02/2019	Marking		
19.	19/02/2019	TOUR	Class presentation	



20.	22/02/2019	Settlement Tour Documentation Presentation Assignment 5 – Positive Negative spaces	Class presentation	TT
21.	26/02/2019	Settlement Tour Documentation Presentation Introduction to Design – Case study	Studio work	
22.	01/03/2019	Design – Concept development Case study presentation	Studio work	
23.	05/03/2019	Design – Concept development	Studio work	
24.	08/03/2019	Design – Single line plan	Studio work	
25.	12/03/2019	Design – Double line plan	Studio work	
26.	15/03/2019	Assignment 6 - Lateral Thinking	Studio work	RB
27.	19/03/2019	Assignment 6 - Lateral Thinking	Studio work	
28.	22/03/2019	FINAL B.D MARKING		
29.	26/03/2019	Sections and Elevations	Studio work	
30.	29/03/2019	Sections and Elevations	Studio work	
31.	02/04/2019	All Drawings and Model	Studio work	
32.	05/04/2019	FINAL DESIGN MARKING		
33.	09/04/2019			
34.	12/04/2019			



N.D.M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2018-2019

Sub: **A.D.G- II**

Name of the Teacher: KM,GA AP,KK

Subject Module No.: **17**

Subject code: **1201513**

Sem: **II**

Year: **F.Y. B.ARCH (DIV- A AND B)**

Title :	Architectural Drawings And Graphics -II
Objective :	<ul style="list-style-type: none"> To introduce students architectural drawing techniques and language of graphics, its vocabulary & grammar. To enable students to express 3D objects and components by using various graphic projection system To introduce various techniques of sketching and importance of measurement drawings.

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
1.	20-12-18	Surface development of Cube, Pyramid, prism & cone, Cylinder	Sheet drafting of all the given objects.	Introduction – Lecture and drafting in Studio
2.	27-12-18	WARLI WORKSHOP	Introduction to measured drawing assignment	
3.	03-01-19	SOCIALS		
4.	10-01-19	Cut section & true shapes of basic objects	Basic objects pyramids, prism etc (4 nos, 2 in class and 2 homework)	Lecture and drafting in Studio + homework
5.	17-01-19	Cut section & true shapes of complex objects	Curvilinear & inclined objects (4 nos, 2 in class and 2 homework)	Lecture and drafting in Studio + homework
6	24-01-19	Measurement drawings	Measured drawing of identified areas in campus	Demonstration and drafting
7	31-01-19	Measurement drawings and drafting to 1:50 scale	Plan, section and two elevations	Site visit and measurement (all)
8	07-02-19	MID- TERM MARKING		Total 5 sheets, measured drawings on tracing
9	14-02-19	TOUR		
10	21-02-19	Colliding objects Basic objects cube, pyramid, prism	Basic objects pyramids, prism etc (4 nos, 2 in class and 2 homework)	Lecture and drafting in Studio + homework



11	28-02-19	Colliding objects	Curvilinear & inclined objects (4 nos, 2 in class and 2 homework)	Lecture and drafting in Studio + homework
12	07-03-19	Orthographic projections of building components Orthographic projections of own compositions	Orthographic projections of building components(4 Nos) Home work – one object	Drafting in Studio + homework Homework
13	14-03-19	Orthographic projection of basic object in AutoCAD	Various object (4 nos)	Lecture and drafting in Studio
14	21-03-19	HOLIDAY	Dhulwad	
15	28-03-19	Orthographic projection of basic object in AutoCAD	Various object (4 nos)	Lecture and drafting in Studio
16	04-04-19	PRE - FINAL MARKING		
17	11-04-19	FINAL MARKING		

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
6.	----	Tutorials.	---	---
7.	17 modules	Assignment	13 -14 sheets and sketch book	Studio
8.	----	Test	---	---
9.	---	Any Other	---	---
10.	07-02-19& 11-04-19	Assessment	Mid term and final marking	Studio
11.	24-01-19	Site visit	Measurement drawing	Measurement equipment/ tools

Reading List

No.	Title & Contents	Author
1.	Architectural Graphics	Francis D.K.Ching
2.	Geometrical & Building drawings	Kelsey W.E.
3.	Architectural Graphics	Leslie Martin
4.	Essential Of Drafting	B.James
5.	Practical Plane and Solid Geometry	H.Joseph and Morris
6.	Rendering with pen & ink	Gill Robert
7.	Architectural Delineation	Burden Ernest



M.V.P.'s COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2018-2019

Sub: **Building Services - II**

Name of the Teachers: Prof. Sharmishtha Surajiwale.

Sem.: IV Year: S.Y.B.Arch.(Div-A)

Subject Code : 2201530(SV) 2201531(PP)

Marking Scheme : [SS-25+25] + [Insem-30] + [Endsem-70] = 150 ;

Credits – 3

Title :	Building Services - II
Objective :	<p>To introduce students to following Building Services in low, medium and high rise buildings and inculcate in them the integration of services in architectural design.</p> <p>This term aims at following two services.</p> <ul style="list-style-type: none"> • Lighting and Electrification • Introduction to Rain water harvesting & Alt Energy Sources

No	Date	Lecture Content	Method	Studio Conduct	Submission
1	05 Dec	Introduction to Syllabus Waste Disposal Collection & Disposal of Org. & Inorg. waste Sacks, bins, grinders, incinerators, compactors & refuse chutes. Vermiculture and Composting.	Lecture	Exploration in the Library	
2	12 Dec	Rain water Harvesting Site Visits for waste disposal :(either or some) Municipal Solid Waste Disposal Plant Agriculture College (Vermiculture, Composting) Resi / Hotels (Refuse Chute) Hospital (Incinerators, Biomedical Waste)	Lecture + PPT	Site Visit	
3	19 Dec	Daylight -Direct, Indirect, Diffused, Semi-Direct, Semi-Indirect. Glare - Definition, Types, Rectification. Lux meter – Intro, Use, Lux levels as per Function. Daylight Factor Components of Daylighting & its Parameters-Opening size, shape, location, Effect of Interior finishes & materials on daylight	Lecture + PPT		Site visit Report
4	26 Dec	Types of Lamps & Lightings Light Fittings- Incandescent, Florescent, CFL, LED, Illumination levels for different functions.	Lecture + PPT	Practical - use of Lux meter	
5	02 Jan	Socials Week			
6	09 Jan	Calculations -Lumen Method, Formula, Derivatives. Components required for calculations. Illumination levels for different functions Drawing – Lighting Plan of a Building	Lecture + PPT	Drawing 1	Market Survey
7	16 Jan	In Sem Exam			
8	23 Jan	Calculations continue, Drawing Completion.		Drawing 1	
9	30 Jan	Study Tour			



10	06 Feb	Electrification Introduction Introduction to general Distribution of electric power in urban areas, Substations for small schemes in industrial units.	Lecture + PPT		Drawing 1
11	13 Feb	Site Visit to Electrical Substation	Lecture + PPT		
12	20 Feb	Electrical installations in a building Meter board, distribution board, layout of points with load calculations	Lecture + PPT		Site Visit Report
13	27 Feb	Electrical Wiring Systems for small and large installations including different materials involved.			
14	06 Mar	Site visit & Guest Lecture			
15	13 Mar	Electrical control and safety devices Switches, fuse, circuit breakers earthing, lightning conductors.		Drawing 2	
16	20 Mar	Calculations and Drawing Electrical Layout of a building interior		Drawing 2	Drawing 2
		Final Submission & Final Internal Marking			



MVP Samaj's College of Architecture

Academic Year – 2018-19

Third Year Architecture

Landscape Architecture II (Subject Code: 3201549)

Schedule For Semester VI – 2018-19

Faculty Team:

Prof. Bhushan Mantri, Prof. Nandan Malani

Week.no.	Date	Topic	Mode of Delivery
1	29 th Dec. 2018	Art in landscape	On site exploration
2	6 th Dec. 2018	Art in landscape	Lecture Presentation, Design studio
3	13 th Dec. 2018	Art in landscape	Miniature models
4	20 th Dec. 2018	Master landscape architect's study	Studio Presentations
5	27 th Dec. 2018	Master landscape architect's study	Studio Presentations
6	3 th Jan.2019	SOCIALS	Introduction to site
7	10 th Jan.2019	Introduction to site	Site analysis
8	17 th Jan.2019	NASA / IN SEM	Introduction to case study
9	24 th Jan.2019	Case study presentations	Studio
10	31 st Jan .2019	Case study presentations	Studio
11	7 th Feb.2019	Rationale for Design	Studio
12	14 th Feb.2019	Design Programme and brief development	Studio
13	21 th Feb.2019	Design development	Studio
14	28 th Feb. 2019	Design development	Studio
15	07 th March 2019	Design development	Studio
16	14 th March 2019	Design development	Studio
17	21 th March 2019	Pre-Final Marking	Studio
	28 th March 2019	Final Marking	Studio



N.D.M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK

4th Yr.	RESEARCH IN ARCHITECTURE - I	42015 58 (SS)
----------------	-------------------------------------	----------------------

Objectives: To introduce students to Research in Architecture and its value in Design
To enable the students to prepare a research proposal

Faculty: Dr. Prajakta Baste, Ar. Ronak Dodecha, Ar. Hemant Thakare

Week	Date	Topic	Activity / Content	Teaching Aid & Space Requirement
1	10-Jun-19	Research in Architecture	Introduction to the Subject & Syllabus Meaning & need of Research in Architecture Ethics in Research How to write an Article Review Tutorial 1 : News Paper Article Reading Assignment 1 : News Article Review Writing	Lecture + Studio / Library
2	17-Jun-19	Article Reading	Tutorial 2 : Magazine Article Reading Assignment 2 : Magazine Article Review Writing	Lecture + Studio / Library
3	24-Jun-19	Methods of Research	Methods of Research (Part-I) Tutorial 3 : Research Methods (Part-I)	Lecture + Studio / Library
4	1-Jul-19	Methods of Research	Methods of Research (Part-II) Tutorial 4 : Research Methods (Part-II)	Lecture + Studio / Library
5	8-Jul-19	Methods of Research	Methods of Research (Part-III) Questionnaire, Survey, Sample selection, Statistical Data, etc . . . Tutorial 5 : Research Methods (Part-III) (Survey Q.)	Lecture + Studio / Library
6	15-Jul-19	Intro. to e-Referencing & Reading Finding the Topics for Research	Browsing the e-Journals & e-Referencing Selection & Reading of Research Papers - 1 to 5 Selection of 5 Areas of Research	Lecture + Studio / Library
7	22-Jul-19	Individual Discussions	Assignment 3 : Paper Reviews - 1 to 5 Tutorial 5 : 5 Statements on 5 Research Areas and 4 Potential Topics under each of the 5 Areas	Lecture + Studio / Library
8	29-Jul-19	Data & it's Analysis	Data & it's Analysis Selection & Reading of Research Papers - 6 to 10	Lecture + Studio / Library
9	5-Aug-19	Data & it's Analysis	Variables (Types & Measurement) Assignment 4 : Paper Reviews - 6 to 10 Selection of Research Papers - 11 to 15 Tutorial 6 : Variables	Lecture + Studio / Library
10	26-Aug-19	Analysis of the Findings	Assessment of Paper Reviews - 1 to 15	Lecture + Studio / Library
11	9-Sep-19	Relation of Sociology & Architecture	Survey methods in Sociology and it's implication in Architecture	Lecture + Studio / Library
12	16-Sep-19	Research Paper	Assignment 6 : 1st Draft of Research Paper Individual Discussions	Lecture + Studio / Library
13	23-Sep-19	Research Paper	Assignment 7 : 2nd Draft of Research Paper Appendix - 15 - 20 Research Paper Readings	Lecture + Studio / Library
14	30-Sep-19	Research Paper	Assignment 8 : Final Draft of Research Paper Presentation : 5 to 10 slides on final Research	Lecture + Studio / Library
15	7-Oct-19	Internal Final Submission & SEMINAR		





M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

E) TEACHING PLAN- SAMPLES

4. AY- 2017-2018



M.V.P.'s COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2017-2018

MJ

Subject: Building Technology & Materials – I

Teachers: Div A : AN, SS, KM, NM, ~~TJ~~, RJ

Div B : AP, JS, GA, KK, YK

Sem.: I Year: F.Y.B.Arch.(Div-A&B)

Subject Code : 1201502(SV) 1201503(PP)

Marking Scheme : [Viva-25+25] + [SS-25+25] + [Insem-30] + [Endsem-70] = 200 ; Credits - 5

Title :	Building Technology & Materials – I
Objective :	Understand aspects of load bearing construction i.e. Basic building elements, their function & Behavior under various conditions. Basic Principles of construction and materials.

Date	Lecture Content	Method	Studio Conduct Sheet Drafting	Submission	Faculty A B
23-Aug	Introduction to various building elements from foundation to roof.	Lecture	-	-	AN AP
24-Aug	# Material-Mud & Brick,		Journal Writing, Types of Bricks (Workshop).		KM GA NM
4-Sept	Types of Brick # Lime and Cement, mortar.	Lecture + PPT	Drg 1- Types of Bricks		KM GA JS
07-Sept	# Concrete blocks	Lecture + PPT	Journal Writing Drg 1- Types of Bricks	Journal	RJ AP
11-Sept	# English Bond, # Stone	Lecture + PPT	Drg 2- English Bond Journal Writing	Drg-1	SS AP MJ YK
18-Sept	# Principles of Load bearing Construction # Flemish and Rat trap bond	Lecture + PPT	Drg 2- Flemish and Rat trap bond Journal Writing		NM KK AN GA
25-Sept	# Joshi Bond # Pointing, Plastering # Journal checking	Lecture + PPT	Drg 2- Flemish and Rat trap bond Journal checking	Journal Drg-2	SS KK
02-Oct 03 Oct	HOLIDAY - GANDHI JAYANTI In-Sem Exam				
07-Oct Sat	# L, T, Cross Junctions # Tools and equipment used for Excavation.	Lecture + PPT	Drg3 – L, T, Cross junctions	Journal	MJ GA KM JS
09-Oct	# Bulb of Pressure & SBC	Lecture + PPT	Drg3 – L, T, Cross junctions	Drg-3	NM KK
16-Oct	HOLIDAY - DIWALI				
23-Oct	Attached Detached piers. Brick foundation, Threshold, Steps	Lecture + PPT	Drg4 - Attached, Detached piers, Threshold, Steps Brick foundation	Drg-4	SS KK



30-Oct	MID TERM MARKING	Sheets Completion - Drg-1 to 4, JOURNAL, SKETCHBOOK				
06-Nov	# Stone Masonry 1	Lecture + PPT	Drg5 - Stone Masonry-1	Drg5 - Stone Masonry-1	AN	YK
13-Nov	# Stone Masonry 2 # Strip foundation in stone. Plinth formation, DPC		Drg6 – Stone Masonry-2	Drg6 – Stone Masonry-2	AN NM RJ	YK AP
20-Nov	# Spanning of openings, Lintels, Arches # Introduction to types of Earthquakes Earthquake resistant measures for load bearing structures.	Lecture + PPT	Journal Writing Drg7 – Lintels, Arches	Journal Submission and Marking	KM MJ	JS YK
27-Nov	FINAL INT. MARKING – All Submissions (Drgs, Journal, Sketchbook, Market Survey)					

Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
	Tutorial	Sketch Book, Market Survey	
	Assignment	15 Modules, 7 Sheets & Journal	Studio
	Test		
	Any Other	Model	Workshop
	Assessment	Mid-Term Marking Final Marking	
	Site Visit	Building elements, Brickwork, Plaster	Sketchbook, Measuring Tape, Plumb bob.

	Title	Author
1	Building Construction - Vol 1 to 4	Mackay W.B.
2	Building Construction - Vol 1 to 5	Barry
3	Construction Technology - Vol 1 to 6	Chudley
4	Building Construction Illustrated	Ching Francis D.K.



2017-2018

SECOND YEAR

ARCHITECTURAL DRAWING AND GRAPHICS - II

Division - A

Faculty: Ashish Khemnar, Umesh Hirave, Hemant Thakre, Sachin Wagh

- Objective:
- To introduce students to architectural drawing techniques and to the language of graphics, its vocabulary and grammar such as scale, annotations, labelling and dimensioning.
 - To enable students to express simple three dimensional objects and building components through Technical Drawings, using various graphic projection systems such as orthography, Isometric and Axonometric projections.
 - To introduce various techniques of sketching for recording, studying and communicating objects, buildings and building components.

No.	Date & Time	Topic	Content	Teaching Aid & Preparation Required
1	6/5/2017	Introduction	Intro. to Types & Methods of Perspective Drawing Technical Drawing of o 2-Point Perspective	Lecture + Studio
2	6/12/2017	2-point perspective	Introduction to 2-point perspective Technical Drawing of 2-Point Perspective	Lecture + Studio
3	6/19/2017	2-point perspective	Technical Drawing of o 2-Point Perspective	Lecture + Studio
4	6/26/2017	2-point perspective	Technical Drawing of o 2-Point Perspective	Lecture + Studio
5	7/3/2017	SUBMISSION OF 2-Point Perspectives	Introduction to 1-point perspective Technical Drawing of o 1-Point Perspective	Lecture + Studio
6	7/10/2017	1-point perspective	Technical Drawing of o 1-Point Perspective	Lecture + Studio
7	7/24/2017	1-point perspective	Technical Drawing of o 1-Point Perspective Introduction to Sciography in perspective	Lecture + Studio
8	7/31/2017	1-point perspective	Technical Drawing of o 1-Point Perspective	Lecture + Studio
9	8/7/2017	SUBMISSION OF 1-Point Perspectives	Technical Drawing of Sciography in perspective	Lecture + Studio
10	8/14/2017	Sciography	Technical Drawing of Sciography in perspective	Lecture + Studio
11	8/21/2017	Sciography	Technical Drawing of Sciography in perspective Introduction Computer Added Drawing	Lecture + Studio
12	8/28/2017	Computer Added Drawing	Technical Drawing of Sciography in perspective	Computer Lab
13	9/4/2017	Computer Added Drawing	Computer Drafting of a Design Project	Studio + Comp. Lab
14	9/11/2017	Computer Added Drawing	Computer Added Drawing	Studio + Comp. Lab
15	9/18/2017	PREFINAL SUBMISSION	Computer Added Drawing	Studio + Comp. Lab
16	9/25/2017	Internal Final Submission Marking		



M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2017-2018.

Sub: **A.D - V**

Name of the Teacher: **A.B, A.N, N.M, P.A**

Subject Module No.: **16**

Subject code: **3201535**

Sem: **I**

Year: **T.Y. B.ARCH**

Title :	Design V
Objectives :	<ul style="list-style-type: none">• Understanding and application of principles of campus design in terms of architectural drawings and models.• Integration of function, aesthetics, structure & services in a various buildings of the campus.• Analysis of multiple buildings accommodated within a campus and their relationship with each other in context to harmony technology, material, climate and the theme of the design.• To Analyze of built and un-built spaces with respect to activities, circulation (pedestrian/ vehicular) and elements in landscape etc...• To understand the geology of sloping site, understanding of contours, analysis and management of slopes etc...• To understand various issues and aspects like sustainability, Earthquake proof construction, barrier free environment, Renewable energy, disaster management etc.. and the integration of these aspects in architectural design process.

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
1.	06/06/2017 (TUE)	Introduction to design -V & identification of book case studies	Syllabus + data collection	Introduction – Lecture and library
2.	09/06/2017 (FRI)	Book case studies presentation – group work	Jury on book case studies	Lecture and jury
3.	13/06/2017 (TUE)	Book case study submission and site introduction	Folio of case studies	Studio
4.	16/06/2017 (FRI)	Site analysis and model	Different component of site	Studio
5.	20/06/2017 (TUE)	Introduction to institute campus and design brief	Design brief & requirements	Studio
6.	23/06/2017 (FRI)	Concept and zoning	Design initialization	Studio- discussion
7.	27/06/2017 (TUE)	Concept and zoning	Design Development	Studio- discussion
8.	30/06/2017 (FRI)	Jury on concept and zoning	Jury on concept & zoning	Jury -1
9.	04/07/2017 (TUE)	Holiday (Ashadhi ekadashi)	Holiday	-----
10.	07/07/2017 (FRI)	Design development Scale 1:200	Design Development	Studio- discussion
11.	11/07/2017	Design development	Design	Studio- discussion



	(TUE)	Scale 1:200+ block model	Development	
12.	14/07/2017 (FRI)	Single line development Scale 1:200+ block model	Single line plan development	Studio- discussion
13.	18/07/2017 (TUE)	Single line plan	Design Development	Studio- discussion
14.	21/07/2017 (FRI)	Jury on single line plan/ sections. Scale 1:200+ block model	Jury on single line plan	Jury -2
15.	25/07/2017 (TUE)	Single line plan/ sections	Design Development	Studio- discussion
16.	28/07/2017 (FRI)	Single line plan/ sections Scale 1:200+ block model	Design Development	Studio- discussion
17.	01/08/2017 (TUE)	Single line plan/ sections	Design Development	Studio- discussion
18.	04/08/2017 (FRI)	Jury on double line plan/ sections.	Jury on double line plan	Jury -3
19.	08/08/2017 (TUE)	Double line plan / sections Scale 1:200	Double line Design	Studio- discussion
20.	11/08/2017 (FRI)	Double line plan/elevations Scale 1:200+ block model	Design Development	Studio- discussion
21.	15/08/2017 (TUE)	Holiday (Independence day)	Holiday	-----
22.	18/08/2017 (FRI)	Details and services and others	Design Development	Studio- discussion
23.	22/08/2017 (TUE)	Pre final - Jury on institutional campus	Pre final jury	Jury -4
24.	25/08/2017 (FRI)	Holiday (Ganesh Chaturthi)	Holiday	-----
25.	26/08/2017 & 27/08/2017 (sat & sun)	Day one – 6 hrs and Day two – 6 hrs, time bound minor design project	Time bound project of two days (12 hrs)	12 hrs time bound project
26.	29/08/2017 (TUE)	Introduction of project - 2, final folio submission – project -1	Institute project final marking	Marking
27.	01/09/2017 (FRI)	Concept and zoning minor project - 2	Design initialization	Studio- discussion
28.	05/09/2017 (TUE)	Jury on concept and zoning	Jury on concept & zoning	Studio- discussion
29.	08/09/2017 (FRI)	Design development – scale 1:100	Design Development	Studio- discussion
30.	12/09/2017 (TUE)	Single line plan/ sections and study model – scale 1:100	Single line plan and study model	Jury on single line plan
31.	15/09/2017 (FRI)	Design development – scale 1:100	Design Development	Studio- discussion
32.	19/09/2017 (TUE)	double line plan/ sections – and model scale 1:100	Double line plan and study model	Jury on double line plan
33.	23/09/2017 (FRI)	Final – folio submission marking	Final folio marking	Final folio- marking in studio -

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
6.	09/07/2017	Tutorials.	Book case studies.	Book review and Jury
7.	30 modules	Assignment	<ul style="list-style-type: none"> Major design project Minor design project 	Studio



8.	26/08/2017 & 27/08/2017	IN Studio design project	Time bound project	12 hrs time bound project
9.	---	Any Other	---	---
10.	30/06/2017 21/07/2017 04/08/2017 22/08/2017 23/09/2017	Assessment	<ul style="list-style-type: none"> • Conceptual & zoning • Single line plan • Double line plan • Pre-final marking • Final marking 	Studio
11.	20/06/2017	Site visits	Institute case study Project site	Live Case study Site visit

Reading List

No.	Title & Contents	Author
1.	A Place in Shade (2010)	Correa, C.
2.	Campus Design in India (1969)	Kanvinde, A., & Miller, H.
3.	Site Planning (1962)	Lynch, K.
4.	Elements of Space Making (2007)	Pandya, Y., & Foundation, V. S.
5.	Building in the Garden (1995)	White, S.
6.		
7.		
Feed back		

NOTE: Activity may include -

- Lecture
- Discussions
- Guest lecture
- Presentation
- Audio visual -Session
- Self study

Ar. A. Bhatta

Ar. A. P. Nasikakar

Ar. N. Malani

Ar. P. Adenwala



REVISED PROGRAM
(AS PER REVISED TIME-TABLE)

M V P SAMAJ'S COLLEGE OF ARCHITECTURE, NASHIK.
ACADEMIC YEAR 2017 -2018

YEAR: FOURTH YR. B.ARCH.

TERM :- I

SUBJECT :- TOWN PLANNING CONTACT PERIOD/WEEK = L + S = 1 LECTURE+ 3 STUDIO
TOTAL MARKS
INTERNAL = 25
EXTERNAL = 25
TOTAL MARKS = 150

TEACHERS:-1) PROF.SANJEEV Y. PATIL
2) PROF.RACHANA BHARGAV

FIRST TERM

	DAY / TIME		TIME	CONTENT OF LECTURE /STUDIO/ TEST/SITEVISIT/TUTORIAL/SUBM N	TEACHING AID/GUEST
1	TUE 6 JUNE	LECTURE	8:00 AM TO 9:30 AM	INDROUCTION TO SUBJECT OF TOWN PLANNING	LED PROJECTOR
2	FRI 9 JUNE	LECTURE	8:00 AM TO 9:30 AM	WHAT IS TOWN PLANNING -AIMS & OBJECTIVE ,D.C.RULES PLANNING & BLDG, BYE-LAWS	PROJECTOR
3	TUE 13 JUNE	LECTURE	8:00 AM TO 9:30 AM	D.C.RULES PLANNING & BLDG, BYE-LAWS URBAN & RURAL PLANNING	LED PROJECTOR
4	FRI	LECTURE	8:00 AM TO 9:30 AM	TYPES OF HOUSING	LED PROJECTOR
5	TUE 20 JUNE	LECTURE	8:00 AM TO 9:30 AM	TYPES OF HOUSING & LAY-OUT i.e. SUB DIVISION OF PLOT INTRODUCTION OF ASSIGN.-I SUB DIVISION OF PLOT	LED PROJECTOR
6	FRI 23 JUNE	LECTURE	8:00 AM TO 9:30 AM	TYPES OF HOUSING & LAY-OUT i.e. SUB DIVISION OF PLOT	LED PROJECTOR
7	TUE 27 JUNE	STUDIO	8:00 AM TO 9:30 AM	SUB DIVISION OF PLOT	
8	FRI 30 JUNE	STUDIO	8:00 AM TO 9:30 AM	SUB DIVISION OF PLOT	LED PROJECTOR
	TUE 4 JULY	STUDIO	8:00 AM TO 9:30 AM	GROUP WORK HOUSING-INTRODUCTION OF ASSIGN.-II SUB DIVISION OF PLOT SUBMISSION -SEMI-FINAL TOWN ANCIENT PLANNING IN INDIA	LED PROJECTOR
10	FRI 7 JULY	LIBRARY / STUDIO	8:00 AM TO 9:30 AM	INDUS VALLEY CIVILISATION - MOHENJO DARO & HARAPPA PLANNING QUESTIONS GIVEN FOR TUTORIALS TO WRITE IN JOURNAL	LED PROJECTOR
11	TUE 11 JULY	LECTURE LIBRARY / STUDIO STUDIO	8:00 AM TO 9:30 AM	PLANNING THEORIES:-LECTURE THEORIES BY LE-CORBUSIER & PATRIC GEDDES, EBENEZER HOWARD, CLARENCE PARRY, LEWIS MUMFORD, QUESTIONS TO BE GIVEN FOR TUTORIALS TO WRITE IN JOURNAL	LED PROJECTOR
12	FRI 14 JULY	LECTURE	8:00 AM TO 9:30 AM	PRINCIPLES OF NEIGHBOUR HOOD PLANNING, CLARENCE STEIN CONCEPTION, CLARENCE A PARRY, RADBURN PATTERN, TOWNS WESTERN URBAN- LETCHWORTH, WELLWYN	LED PROJECTOR
13	FRI 21 JULY	STUDIO		SUB DIVISION OF PLOT-MARKING((PROGRESSIVE)	LED PROJECTOR
14	TUE 25 JULY	LEC & STUDIO		SATELLITE TOWN,, SUB DIVISION OF PLOT-MARKING	LED PROJECTOR



DEvised PROGRAM

5	TUE 8 AUG --	----- ----	HOLIDAY INDEPENDENCE DA	HOLIDAY INDEPENDENCE DA	----- ---
5	TUE 8 AUG	LECTURE & STUDIO		INDUSTRIAL TOWN, SUB DIVISION OF PLOT(FINAL MARKING)	
	TUE 1 AUG	STUDIO		JOURNAL WRITTING & SUBMISSION OF ASSIGN-I (SUB DIVISION OF PLOT) PRESENTATION-REPORT HOUSING- ASSIGN.-II	
	TUE 8 AUG	STUDIO		FINAL SUBMISSION & MARKING OF ASSIGN - I (SUB DIVISION OF PLOT)	
	TUE 15 AUG	-----	-----	HOLIDAY INDEPENDENCE DA	----- ---
	TUE 22	LECTURE & STUDIO		ADMINISTRATIVE TOWN FINAL SUBMISSION OF ASSIGN-II (REPORT-HOUSING-GROUP/MASS HOUSING) & MARKING-ASSIGN.-II	
	TUE 29 AUG	STUDIO		,TOURIST TOWN & RELIGIOUS TOWN SUBMISSION OF ASSIGN-III (TRAFFIC & TRANSPORTATION SURVEY, ANALYSIS & PREPARING REPORT FINAL& MARKING)	
	TUE 5 SEP	STUDIO		TOWN PLANNING-JOURNAL WRITTING FINAL MARKING OF ASSIGN-III III (TRAFFIC & TRANSPORTATION SURVEY)	
	TUE 12 SEP			FINAL SUBMISSION OF JOURNAL	
	TUE 19 SEP	STUDIO		REVISION	

NO.	DATE & TIME	ACTIVITY (SUPERISED / UNSUERVIED)	CONTENT	TEACHING AID & PREPARATION REQUIRED
1	TUE 8 AUG	STUDIO	FINAL SUBMISSION & MARKING OF ASSIGN - I (SUB DIVISION OF PLOT)	
2	TUE 22 AUG	LECTURE & STUDIO	FINAL SUBMISSION OF ASSIGN-II (REPORT-HOUSING-GROUP/MASS HOUSING) & MARKING-ASSIGN.-II	
3	TUE 5 SEP	STUDIO	TOWN PLANNING-JOURNAL WRITTING FINAL MARKING OF ASSIGN-III III (TRAFFIC & TRANSPORTATION SURVEY	
4	TUE 12 SEP		FINAL SUBMISSION OF JOURNAL	
10	MON 28 SEPT	FINAL SUBMISSION	SUBMISSION. & MARKING	



READING LIST

NO	TITLE & CONTENTS	AUTHOR
1	URBAN PATTERN	GAMIEON
2	FUNDAMENTALS OF TOWN PLANNING	MCKAY - VOL. - I TO 4

M.V.P.'s COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2017-2018

5/12/17
BCM II
Div A

Sub: Building Technology & Materials – II

Name of the Teachers: AN, MJ, SS, NM, RJ

Sem.: II Year: F.Y.B.Arch.(Div-A)

Subject Code : 1201510(SV) 1201511(PP)

Marking Scheme : [Viva-25+25] + [SS-25+25] + [Insem-30] + [Endsem-70] = 200 ; Credits - 5

Title :	Building Technology & Materials – II
Objective	Understand aspects of load bearing construction i.e. Basic building elements, their function & Behavior under various conditions. Basic Principles of construction and materials.

No	Date	Lecture Content	Method	Studio Conduct Sheet Drafting	Submissi on	Faculty
1	01-Jan	# Reinforced masonry walls, pillars & lintels # Timber as a material		Journal Writing		MJ AN
2	08-Jan	# Timber Joinery	Lecture + PPT	Journal Writing, Drg 1- TW Joinery	Journal	SS
3	15-Jan	# Timber Derivatives # Bamboo, Thatch Roofing	Lecture + PPT	Journal Writing	Drg 1 Journal	SS RJ
4	22-Jan	# Door Theory, Paneled door # Roofing materials : Tiles, Shingles	Lecture + PPT	Drg 2- TW Doors Journal Writing	Journal	NM MJ
5	29-Jan	# Solid door # Crpentry Tools, Hardware	Lecture + PPT	Drg 2- Cont. Journal Writing	Journal	NM RJ
6	05-Feb	# Timber Casement window	Lecture + PPT	Drg3 – TW Window	Drg 2	SS
7	12-Feb	In Sem Exam				
8	19-Feb	Holiday – Shiva Jayanti				
9	26-Feb	Mid Term Marking				
10	05-Mar	# Timber Single Floor Ground # Timber Single Floor First	Lecture + PPT	Drg4 - TW Single Floor	Drg3	AN AN
11	12-Mar	# Timber Double Floor First with Balcony	Lecture + PPT	Drg5 - TW Double Floor	Drg4	AN
12	19-Mar	# Timber Staircase	Lecture + PPT	Drg6- TW Staircase	Drg5	SS
13	26-Mar	# Single roof up to 6m span	Lecture + PPT	Journal Writing Drg6 – TW Single Roof		MJ
14	02-Apr	# Timber trusses: King post, Queen post	Lecture + PPT	Drg7 – TW Trusses	Drg6	NM RJ
15	09-Apr	# Built up trusses(theory) # Vaults & Domes	Lecture + PPT	Drg7 – Cont. Journal Writing	Drg7 Journal	RJ MJ
16	16-Apr	FINAL INT. MARKING – All Submissions (Drgs, Journal, Sketchbook, Market Survey)				



No	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
A	—	Tutorial	Sketch Book, Market Survey	—
B	16 modules	Assignment	7 Sheets & Journal	Studio
C		Test		
D		Any Other	Model	Workshop
E	26/02/2017 &16/04/2017	Assessment	Mid-Term Marking Final Marking	
F		Site Visit	Building elements, Brickwork, Plaster	Sketchbook, Measuring Tape, Plumb bob.

No	Title	Author
1	Building Construction - Vol 1 to 4	Mackay W.B.
2	Building Construction - Vol 1 to 5	Barry
3	Construction Technology - Vol 1 to 6	Chudley
4	Building Construction Illustrated	Ching Francis D.K.

Note : Activity may include

- Lecture
- Audio-Visual session
- Presentation
- Guest Lecture
- Discussions
- Self study



N.D.M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic Year 2017-2018

Sub: BUILDING SERVICES II

Name of the Teacher: Geetanjali Patil

Niketa Jadhav

Subject Code : 2201530(SS)

Sem.: II

Year: Second YEAR .B.Arch.

(B)

Title :	BUILDING SERVICES II
Objective :	To introduce students to following Building Services in low, medium and high rise buildings and inculcate in them the integration of services in architectural design. This term aims at following two services. <ul style="list-style-type: none">• Lighting and electrification.• Introduction to rainwater harvesting and alternative energy sources.

	Date & Time	Topic	Content	Teaching Aid & Preparation Required
1.	11/12/17	Waste Disposal.	Collection and disposal of organic and in-organic waste	Lecture + Library Ref
2.	18/12/17	Waste Disposal.	Sacks, bins, grinders, incinerators, compactors and refuse chutes.	Lecture + Drawing of refuse chute in Studio
3.	25/12/17	Holiday	Christmas	
4.	1/01/18	Waste Disposal.	Site Visit to Solid Waste treatment plant of NMC at Nashik	Site Visit And Documentation
5.	8/01/18	Lighting	Indoor lighting- natural and artificial - Systems of lighting such as direct, indirect, diffused	Lecture + Drawing (2) in Studio
6.	15/01/18	Lighting	Applications of lighting systems with special reference to levels of illumination for various uses and lumen method calculations. - Light fittings.	Lecture + Journal Submission
7.	22/01/18	INSEM Exam		
8.	29/01/18	Electrification	Introduction to general distribution of electric power in urban areas, substations for small schemes in industrial units. Introduction to alternative energy sources. Rainwater Harvesting	Lecture
9.	05/02/18		Site Visit	
10.	12/02/18	Electrification	Electrical installations in a building from the supply company mains to individual outlet points including meter board, distribution board, layout. <ul style="list-style-type: none">• Guest Lecture - Electrical wiring systems for small and large	Lecture + Drawing (3) in Studio



			installations including different materials involved	
11.	19/02/18	Electrification	Studio Work – Marking 1	
12.	26/02/18	Electrification	Guest Lecture - Electrical control and safety devices – switches, fuse, circuit breakers earthing, lightning conductors etc	Lecture
13.	05/03/18	Electrification	Electrical Layout	Drawing (4) in Studio
14.	12/03/18	<u>PREFINAL SUBMISSION</u>	Marking and Improvements	
15.	19/03/18	<u>FINAL MARKING</u>	Marking and Mock Test	



M.V.P.'s COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2017-2018

30/11
Elective

Sub: **ELECTIVE I** – INTERIOR DESIGN Faculty : PS, KM, MJ

Sem.: VI Year: T.Y.B.Arch Subject Code : 3201553

Marking Scheme : SS, INT – 25, EXT – 25 = 50 ; Credits - 2

Coordⁿ - AN

Objective :	To comprehend relation between architecture and interior design as a space making discipline.
-------------	---

No	Date	Lecture Content	Method	Studio Conduct	Submission	Faculty conducting
1	6 th Dec	Introduction to the subject, method of conduct and assessment pattern.	Lecture	Literature review and discussion in group.		KM, MJ
2	13 th Dec	Research methodology and interior design topic scope in brief	Lecture and discussion	Identification of topics		PS, KM, MJ
3	20 th Dec	Discussion on synopsis and research methodology	One to one discussion			PS, KM, MJ
4	27 th Dec	Review of the methodology adopted.	One to one discussion			PS, KM, MJ
5	3 rd Jan	Review of draft 1	One to one discussion and progressive marking		Draft 1	PS, KM, MJ
6	10 th Jan	Research conclusion and project identification for research application	One to one discussion			PS, KM, MJ
7	17 th Jan	Research conclusion and project identification for research application	One to one discussion and progressive marking		Application based conceptual report	PS, KM, MJ
8	24 th Jan	Structure and method of research presentation	Lecture	Discussions on the previous work		PS, KM, MJ
9	31 st Jan	Research presentation (9 students)	Lecture and discussion	Research presentation by the students and	Report draft 2 of the previous presentations.	PS, KM, MJ
10	7 th Feb	Research presentation (9 students)	Lecture and discussion	Research presentation by the students and discussions	Report draft 2 of the previous presentations.	PS, KM, MJ
11	14 th Feb	Research presentation (9 students)	Lecture and discussion	Research presentation by the students and	Report draft 2 of the	PS, KM, MJ



				discussions	previous presentations.	
12	21 st Feb	Research presentation (9 students)	Lecture and discussion	Research presentation by the students and discussions	Report draft 2 of the previous presentations.	PS,KM, MJ
13	28 th Feb	Research presentation (9 students)	Lecture and discussion	Research presentation by the students and discussions	Report draft 2 of the previous presentations.	PS,KM, MJ
14	7 th March	Research presentation (9 students).	Lecture and discussion	Research presentation by the students and discussions	Report draft 2 of the previous presentations.	PS,KM, MJ
15	14 th March	Pre final internal marking				
16	21 st March	Final internal marking				

List of submissions:

1. Hard copy compilation of date wise work of every module with faculty remarks.
2. Report on research application into the project at conceptual level.
3. Brief summary of the presentations and discussions
4. Final Report – A-4, 20 Pages, hard copy.



M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2017-2018.

5/12/17
ADIV

Sub: **A.D - IV**

Name of the Teacher: A.N, S.P, A.C, S.M

Subject Module No.: 32

Subject code: 413421 (S)

Sem: II (300 Marks/ Sem)

Year: FORTH.Y. B.ARCH

Title :	Architectural Design- IV (Sem-II)
Objective:	<ul style="list-style-type: none"> • Understanding and application of principles of multifunctional complex building design in terms of architectural drawings and models. • Integration of function, aesthetics, structure & services in a various multifunctional buildings. • Analysis of multiple buildings accommodated within a delineated zone and their relationship with each other in a larger environmental context to harmony technology, material, climate etc.. • To Analyze of built and un-built spaces with respect to activities, circulation (pedestrian/ vehicular) and elements in landscape etc... • To understand the geology of sloping site, understanding of contours, analysis and management of slopes etc... • To understand various issues and aspects like sustainability, Earthquake proof construction, barrier free environment, Renewable energy, disaster management etc.. and the integration of these aspects in architectural design process.

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
1.	05/12/2017 (TUE)	Introduction to Architectural Design -IV. Introduction to various topic.	Distribution of topics & group formation	Studio- discussion
2.	08/12/2017 (FRI)	Data collection & book case studies	Data collection	Studio- discussion
3.	12/12/2017 (TUE)	Presentation on book case studies	Case study presentation	Studio
4.	15/12/2017 (FRI)	Presentation on book case studies	Case study presentation	Jury -1
5.	19/12/2017 (TUE)	Site & site analysis Scale 1: 200	Site analysis + model	Studio
6.	22/12/2017 (FRI)	Concept & research	Concept & initial development	Studio- discussion
7.	26/12/2017 (TUE)	Concept & Zoning	Zoning	Jury -2*
8.	29/12/2017 (FRI)	Single line plan Scale 1: 200	Design development	Studio- discussion
9.	02/01/2018 (TUE)	Single line plan Scale 1: 200	Design development	Studio- discussion



10.	05/01/2018 (FRI)	Single line plan Scale 1: 200	Design development	Studio- discussion
11.	09/01/2018 (TUE)	Single line plan Scale 1: 200	Design development	Studio- discussion
12.	12/01/2018 (FRI)	Single line plan + sections Scale 1: 200	Design development	Studio- discussion
13.	16/01/2018 (TUE)	Single line plan + model Scale 1: 200	Design development	Studio- discussion
14.	19/01/2018 (FRI)	Single line plan Jury + study model	Single line plan Jury	Jury -3 *
15.	23/01/2018 (TUE)	Single line plan Jury + study model	Single line plan Jury	Jury -4
16.	26/01/2018 (FRI)	Republic day *	Holiday *	----
17.	30/01/2018 (TUE)	Double line plan Scale 1: 200	Design Development	Studio- discussion
18.	02/02/2018 (FRI)	Double line plan Scale 1: 200	Design Development	Studio- discussion
19.	06/02/2018 (TUE)	Double line plan Scale 1: 200	Design Development	Studio- discussion
20.	09/02/2018 (FRI)	Double line plan +sections Scale 1: 200	Design Development	Jury -5 *
21.	13/02/2018 (TUE)	Mahashivratra *	Holiday *	-----
22.	16/02/2018 (FRI)	Double line plan +sections Scale 1: 200	Design Development	Studio- discussion
23.	20/02/2018 (TUE)	Double line plan +elevations Scale 1: 200	Design Development	Studio- discussion
24.	23/02/2018 (FRI)	Double line plan +Services Scale 1: 200	Design Development	Studio- discussion
25.	27/02/2018 (TUE)	Double line plan+ Model Scale 1: 200 (on tracing)	Double line plan	Jury -6 (External)
26.	02/03/2018 (FRI)	Double line plan+ Model Scale 1: 200 (on tracing)	Double line plan	Jury -7 *
27.	06/03/2018 (TUE)	Rang Panchami *	Holiday *	-----
28.	09/03/2018 (FRI)	Final drawings – site analysis, concept, zoning,	Design Development	Studio- discussion
29.	13/03/2018 (TUE)	Final drawings – plans, elevations & sections	Design Development	Studio- discussion
30.	16/03/2018 (FRI)	Final drawings – detailing, service layout, etc.. & model	Double line drawings and Detailing	Studio
31.	20/03/2018 (TUE)	Pre-final marking	Pre-final marking + study Model	Jury -8 *
32.	23/03/2018 (FRI)	Final – folio submission marking	Final folio	Final Internal Marking

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
6.	09/01/2018	Tutorials:	Book case studies.	Book review and Jury
7.	30 modules	Assignment	<ul style="list-style-type: none"> Major design project Minor design project 	Studio
8.	06/01/2018 & 07/01/2018	IN Studio design project	Time bound project	12 hrs time bound project



9.	---	Any Other	---	---
10.	15/12/2017 26/12/2017 19/01/2018 09/02/2018 27/02/2018 20/03/2018 23/03/2018	Assessment	<ul style="list-style-type: none"> • Case studies • Single line plan • Double line plan • Pre-final marking • Final marking 	Studio
11.	19/12/2018	Site visits	Project site	Site visit

Reading List

No.	Title & Contents	Author
1.	A Place in Shade (2010)	Correa, C.
2.	Campus Design in India (1969)	Kanvinde, A., & Miller, H.
3.	Site Planning (1962)	Lynch, K.
4.	Elements of Space Making (2007)	Pandya, Y., & Foundation, V. S.
5.	Building in the Garden (1995)	White, S.
6.		
7.		
Feed back		

NOTE: Activity may include -

- Lecture
- Discussions
- Guest lecture
- Presentation
- Audio visual -Session
- Self study

Ar. A. Nasikakar

Ar. S. Pawar

Ar. A. Choudhari

Ar. S. Mistry





M.V.P.S's College of Architecture, Nashik
Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik
Phone : 0253-2570822. Email : mvpcans_nsk@yahoo.co.in

1.1.1

The Institute ensures effective curriculum delivery through a well-planned and documented process

E) TEACHING PLAN- SAMPLES

5. AY- 2016-2017



MVP SAMAJ'S COLLEGE OF ARCHITECTURE

SEMESTER PLAN - FIRST YEAR B. ARCH, 2016-17, Div B

SUBJECT - DESIGN 1

CORE FACULTY - Geetanjali Patil, Ketaki Manolkar Ankita Pathare

VISITING FACULTY - Nishtha Karkhanis

MOD ULE NO.	DAY	CONTENT	CONDUCT/ACTIVITY	FEEDBACK	ASSESSM ENT
1	12/08/2016 Friday	Mapping experience - activity and discussion	Lecture, Studio		
2	16/08/2016 Tuesday	Presentation by faculty and discussion, Mapping experience feedback, Point - activity (skit)	Lecture,PPT,Studio		
3	19/08/2016 Friday	Point - activity (skit), point lecture, feedback on image graphical representation through lines	Lecture, Studio		
4	23/08/2016 Tuesday	Feedback on points ,Line - introduction, single, multi lines,	Lecture/Studio		
5	26/08/2016 Friday	Line - feedback , esqui on lines and words	Studio		
6	30/08/2016 Tuesday	Presentation by faculty, Working on Planes, Mapping experience discussion in groups	Lecture,PPT,Studio		
7	02/09/2016 Friday	Introduction to colours and working on the same	Lecture,PPT,Studio		
8	06/09/2016 Tuesday	Assignment 2 (POINT) feedback and preliminary assesment	Studio		POINT
9	09/09/2016 Friday	Assignment 3 (LINES) feedback and, anthropometry- rapid sketching, actual measurements of each other in groups, game, abstraction (lines)	Studio		LINES
10	13/09/2016 Tuesday	BAKARI IED HOLIDAY			
11	16/09/2016 Friday	Scale and proportions, anthropometry	Lecture, Studio		
12	20/09/2016 Tuesday	Working and Feedback on anthropomtry and previous assignments	Studio		



13	23/09/2016 Friday	INSEM EXAMINATION			
14	27/09/2016 Tuesday	typography under sketching, Texture understanding on planes	MIDTERM ASSESSMENT		
15	30/09/2016 Friday	Preliminary preparation on tracings for Basic design students exchange programme	Lecture on platonic forms and derivative forms and transformation		
16	04/10/2016 Tuesday	Preliminary preparation on tracings for Basic design students exchange programme	Lecture - abstraction		
17	10/10/2016 Friday	Preliminary preparation on tracings for Basic design students exchange programme	Lecture, Studio		
18	11/10/2016 Tuesday	HOLIDAY - DASHEHERA			
19	14/10/2016 Friday	Derivative forms and transformations	Studio		
20	18/10/2016 Tuesday	Derivative forms and transformations	Studio		
21	21/10/2016 Friday	Activation of space - positive/negative	Lecture/Studio		
22	25/10/2016 Tuesday	Activation of space - positive/negative	Lecture/Studio		Derivative forms and transformations
23	30/10/2016 Friday	HOLIDAY - DHANTERAS			
24	01/11/2016 Tuesday	HOLIDAY - BHAUBEEJ			
25	04/11/2016 Friday	Analysis of built structure	Lecture/Studio		Activation of space - positive/negative
26	08/11/2016 Tuesday	Analysis of built structure			
27	11/11/2016 Friday	Prefinal submission			
28	15/11/2016 Tuesday	Prefinal submission			
29	18/11/2016 Friday	Final Submission			



Building Construction and Materials-3

Sem 3				Faculty	Arpita Bhatt
Year	2016-2017				Jigar Chavda

Date	Time Slot	Module No.	Topic	Details	Delivery Type	Comments
6/9/2016	830 to 1430 hrs	1	Types of Flooring	- Natural, Manmade and insitu floors - Paving Materials	Lecture	Market Research
6/16/2016	830 to 1030 hrs	2	Floor Finishes	-	Lecture	
	1100 to 1430 hrs		Flooring	Journal Writing	Studio	
6/23/2016	830 to 1030 hrs	3	Sheet Roof Covering	-	Lecture	
	1100 to 1430 hrs		RCC	-	Lecture	
6/30/2016	830 to 1030 hrs	4	Assignment on Roofing	Checking assignment on roofing	Studio	
	1100 to 1430 hrs		RCC	- Steel Reinforcement in Concrete - Tools Used	Lecture	
7/7/2016						
				- Shallow - Deep - Sloping Site - Bulb of pressure		
7/14/2016	830 to 1430 hrs	5	Types of Foundations		Lecture	
7/16/2016	830 to 1430 hrs	6	Revision of Completed Topics		Lecture	
In Sem Exam (18th, 19th and 20th July)						
7/21/2016	830 to 1430 hrs	7	Detailing of Foundation	- Drafting of Sheet for Foundation	Studio	
7/28/2016	830 to 1430 hrs	8	Detailing of Foundation	- Drafting of Sheet for Foundation	Studio	
8/4/2016	830 to 1430 hrs	9	Damp Proof Course	- Methods - Materials (Natural and Man made)	Lecture	Market Research
8/11/2016	830 to 1030 hrs	10	Introduction to Sliding Folding Doors	- Timber - Non Timber	Lecture	
	1100 to 1430 hrs		Damp Proof Course	- Data Collection (Library) - Journal Writing	Studio	
8/18/2016	830 to 1430 hrs	11	Sliding Folding Doors	- Sheet Prep - Submission	Studio	
8/25/2016	830 to 1030 hrs	12	Bay Windows		Lecture	
	1100 to 1430 hrs		Fencing and gates	- Case study	Lecture	

597



Building Construction and Materials-3

Sem 3					Faculty	Arpita Bhatt	
Year	2016-2017					Jigar Chavda	
Date	Time Slot	Module No.	Topic	Details	Delivery Type	Comments	
9/1/2016	830 to 1430 hrs	13	Bay Windows	- Sheet Prep - Submission	Studio		
9/8/2016	830 to 1030 hrs	14	Introduction to RCC		Lecture		
	1100 to 1430 hrs		Fencing and gates	- Sheet Prep - Submission	Studio		
9/15/2016	830 to 1030 hrs	15			Lecture		
	1100 to 1430 hrs		RCC	- Sheet Prep	Studio		
9/22/2016	830 to 1430 hrs	16	RCC	- Sheet Prep - Submission	Studio		
9/29/2016	830 to 1430 hrs		Mock Viva & Marking for final Folio		Studio		



For ①

Teaching plan for Semester:- 7th

AY 2016-17

Sub-QUANTITY SURVEYING & ESTIMATING

faculty:-Er.Anil U.Thombare

No of Weeks-16

Date	content	Lecture hours	Studio Hours	Other Method
1	1. Introduction to the definition, aim and	2		lecture
2	scope of "Quantity Computation"		2	assignment
3	2. Study of different types of estimates	2		lecture
4	theory	2		lecture
5	3. Study of mode of measurements as stipulated in I. S. 1200		2	assignment
6	theory	2		Exam
7	4. Methods of computing quantities for load bearing types of structure	2		lecture
8	and preparing abstract and bills of quantities including units of measurements.	2		lecture
9	5. Computing quantities of various building items for r.c.c. framed structure,	2		lecture
10	steel structure and building services such as plumbing and water supply.		2	exam
11	theory	2		lecture
12	theory	2		lecture
13	assignments	2		lecture
14	Preparing of quantities for estimation and tendering purposes.	2		lecture
15	theory	2		lecture
16	theory	2		lecture

Internal marking assessment date

.....

.....



TY②

M. V. P. SAMAJ'S COLLEGE OF ARCHITECTURE, NASHIK.
ACADEMIC YEAR 2016-2017

SUBJECT :- BUILDING CONSTRUCTION & MATERIAL-III (TERM-I)

FACULTY:- 1) PROF.SANJEEV Y. PATIL , 2) PROF.SURUCHI A. RANDIVE

PAPER - MARKS = 100

SESSIONAL / VIVA-VOCE

INTERNAL = 50

TOTAL MARKS = 150 / TERM

TERM-I

DAY / DATE	LECTURE / STUDIO	TIME	CONTENT OF LECTURE / STUDIO / TEST / SITE VISIT / TUTORIAL / SUBMISSION	TEACHING AID / GUEST
MON 6 JUNE	LECTURE	8:00 AM TO 11:00 AM 11.30 AM TO 2:30 PM	INDROUCTION TO BTECH III SYLLBUS DEEP FOUNDATION:- PILE FOUND, RAFT.	LED PROJECTOR
MON 13 JUNE	LECTURE SITE VISIT LIBRARY	8:00 AM TO 11:00 AM 11.30 AM TO 2:30 PM	DEEP FOUNDATION:- PILE FOUND, RAFT. • UNDER REAM PILES • END BEARING PILES • FRICTION PILES • PRECAST PILES SITE VISIT & SELF STUDY (LIBRARY)	LED PROJECTOR/ BOARD/MARKER/ CHALK LECTURE HALL
MON 20 JUNE	STUDIO	8:00 AM TO 11:00 AM 11.30 AM TO 2:30 PM	SHEET (START) ASSIGN NO. I SHEET (COMPLETE)	LED PROJECTOR
MON 27 JUNE	LECTURE LIBRARY / STUDIO	8:00 AM TO 11:00 AM 11.30 AM TO 2:30 PM	R.C.C. STAIRCASE & BALCONIES & CANOPLES - SIMPLY SUPPORTED / CANTILIVERED / CONTINUOUS / FOLDED & SPIRAL, SELF STUDY	LED PROJECTOR
MON 4 JULY	STUDIO STUDIO	8:00 AM TO 11:00 AM 11.30 AM TO 2:30 PM	SHEET (START) ASSIGN NO. II SHEET (COMPLETE) ASSIGN NO. II	LED PROJECTOR
MON 11 JULY	STUDIO STUDIO	8:00 AM TO 11:00 AM 11.30 AM TO 2:30 PM	SHEET (START) ASSIGN NO. III SHEET (COMPLETE) ASSIGN NO. III	LED PROJECTOR
MON 18 JULY	LECTURE LIBRARY SITE VISIT	8:00 AM TO 11:00 AM 11.30 AM TO 2:30 PM	M.S. ROOF TRUSS (MEDIUM SPAN) 6/9/12 M SELF STUDY & START ASSIGN. - NO. IV (SITE) INTRODUCTION :- MATERIALS - (GROUP WORK)	LED PROJECTOR
MON 25 JULY	STUDIO STUDIO	8:00 AM TO 11:00 AM 11.30 AM TO 2:30 PM	START M.S. ROOF TRUS (MEDIUM SPAN) 6M / 9M / 12M SELF STUDY SHEET START (SELF STUDY ASSIGN. NO. IV, SITE VI SIT	LED PROJECTOR
MON 1 AUG.	LECTURE LIBRARY STUDIO	8:00 AM TO 11:00 AM 11.30 AM TO 2:30 PM	PRESENTATION (GROUP WORK)-MATERIALS LIGHT WEIGHT CONCRETE, GUNTITING, WATERPROFING METAL & ALLOYS IN BUILDING INDUSTRY, R.M.C	LED PROJECTOR
0 MON 8 AUG.	LIBRARY / STUDIO	8:00 AM TO 11:00 AM 11.30 AM TO 2:30 PM	CBRI & MODUDLAR CO-ORDINATION SELF STUDY & STRAT SHEET - 2 NOS.	LED PROJECTOR
1 MON 15 AUG.	HOLIDAY		INDEPENDENCE DAY	
2 MON 22 AUG.	LECTURE STUDIO	8:00 AM TO 11:00 AM 11.30 AM TO 2:30 PM	CBRI & MODUDLAR CO-ORDINATION SELF STUDY & STRAT SHEET - 2 NOS	LED PROJECTOR
3 MON 29 AUG.	LECTURE LIBRARY STUDIO	8:00 AM TO 11:00 AM 11.30 AM TO 2:30 PM	LONG SPAN STRUCTURE SELF STUDY JOURNAL (COMPLETE RETAINING WALL & REINFORCED BRICKWORK -	LED PROJECTOR
4 MON 5 SEPT.	HOLIDAY		GANESH CHATURTHI	
5 MON 12 SEPT.	LECTURE LIBRARY / STUDIO	8:00 AM TO 11:00 AM 11.30 AM TO 2:30 PM	LIFT & MACHINE ROOM SHEET START & COMPLETE. ASSIGN. NO. VII, JOURNAL	LED PROJECTOR
5 19 SEPT.	STUDIO STUDIO	8:00 AM TO 11:00 AM 11.30 AM TO 2:30 PM	FINAL SUBMISSION & REVISION	LED PROJECTOR



F.Y. → ④

N.D.M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic year 2016-2017

Sub: CLIMATOLOGY

Name of the Teacher: ~~AP~~ ANKITA PATHARE.

Subject Module No.: 16

Subject Code : 1201515(SV)

Sem.: II

Year: F.Y.B.Arch.(Div-B)

Title :	Climatology
Objective :	<ul style="list-style-type: none"> To understand climate as a determinant of architectural design and to enable the students to evolve climate responsive design

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
1.	20-12-16	Introduction to climate	Factors affecting climate; microclimate and macroclimate	Lecture
2.	27/12/16	Introduction to types of climate	Overview of all climate types and study of traditional climate responsive architecture	Lecture + Library Ref. + Assignment on vernacular architecture
3.	03/01/17	Strategies for global climate	Introduction to hot & dry, hot & humid climate	Lecture + Journal
4.	10/01/17	Strategies for global climate	Introduction to cold & dry, cold & humid climate	Lecture + Journal writing
5.	17/01/17	Strategies for global climate	Composite climate	Lecture + Journal writing + Assign. on comparative analysis of all the climates
6	24/01/17	Bioclimatic chart	Understanding and plotting of bio climatic chart	Lecture + Studio Assign of plotting on the chart for a specific climate
7	31/01/17	Sun path diagram	Understanding sun path and plotting points for specific time and month	Lecture + Studio assign to plot on the sun path
8	07/02/17	<u>MID-TERM MARKING IN-SEM</u>		
9	14/02/17	Shading Device	Introduction to sun angles	Lecture
10	21/02/17	Shading Device	Calculation of sun angles	Lecture + Studio
11	28/02/17	Shading Device	Design of facades	Lecture + Studio
12	07/03/17	Site Visit	Understanding of contemporary climate responsive design	Lecture + assign



13	14/03/17	Thermal comfort	Concept of heat exchange in buildings and concept of thermal comfort, comfort indices, its application to architectural design	Lecture + Assignment ✓
14	21/03/17	<u>PRE-FINAL MARKING</u> ✗		✗
15	28/03/17	<u>HOLIDAY</u>	GUDI PADWA	28/3/17 ✓
16	04/04/17	<u>FINAL MARKING</u>		✓

No.	Date & Time	Activity (Supervised / Unsupervised)	Content	Teaching Aid & Preparation Required
A.	17/01/17	Tutorials.	Study of Climate @ Settlement Tour	Sketchbook, Environmental Meter
B.		Assignment	Journal	
C.	-	Test	--	-
D.	-	Any Other	-	-
E.	07/02/17 04/04/17	Assessment	Mid-Term Marking Final Marking	
F.	07/03/17	Site visit	Understanding of contemporary climate responsive design	Sketchbook, Environmental Meter

Reading List

No.	Title & Contents	Author
	Manual of Tropical Housing and Building	Koenigsberger
	Climatological and solar data for India	T.N Seshadry
	Climatically responsible energy efficient architecture	Arvind Krishnan
	Energy efficient housing	Mili Majumadar
Feed back		

NOTE: Activity may include -

- Lecture
- Guest lecture
- Audio visual Session
- Discussions
- Presentation
- Self study



5.Y → ④

N.D.M.V.P.S. COLLEGE OF ARCHITECTURE, NASHIK - 422 002.

Academic Year 2016-2017

Sub: ~~BUILDING SERVICES II~~

Name of the Teacher: Geetanjali Patil

Subject Code :

Sem.: II

Year: Second.YEAR .B.Arch.

Title :	BUILDING SERVICES II
Objective :	<p>To introduce students to following Building Services in low, medium and high rise buildings and inculcate in them the integration of services in architectural design. This term aims at following two services.</p> <ul style="list-style-type: none"> • Lighting and electrification. • Introduction to rainwater harvesting and alternative energy sources.

No.	Date & Time	Topic	Content	Teaching Aid & Preparation Required
1.	7/12/16	Waste Disposal.	Collection and disposal of organic and in-organic waste	Lecture + Library Ref
2.	14/12/16	Holiday		
3.	21/12/16	Waste Disposal.	• Sacks, bins, grinders , incinerators , compactors and refuse chutes.	Lecture + Drawing of refuse chute in Studio
4.	28/12/16	Waste Disposal.	Site Visit to Solid Waste treatment plant of NMC at Nashik	Site Visit And Documentation
5.	4/01/17	Lighting	Indoor lighting- natural and artificial - Systems of lighting such as direct, indirect, diffused	Lecture + Drawing (2) in Studio
6.	11/01/17	Lighting	Applications of lighting systems with special reference to levels of illumination for various uses and lumen method calculations. - Light fittings.	Lecture + Journal Submission
7.	18/01/17	INSEM Exam		
8.	25/01/17	Electrification	Introduction to general distribution of electric power in urban areas, substations for small schemes in industrial units.	Lecture
9.	1/02/17		Site Visit	
10.	08/02/17	Electrification	Electrical installations in a building from the supply company mains to individual outlet points including meter board, distribution board, layout	Lecture + Drawing (3) in Studio



11.	15/02/17		SOCIALS	
12.	22/02/17		Studio Work – Marking 1	Studio
13.	1/03/17	Electrification	Guest Lecture - Electrical wiring systems for small and large installations including different materials involved	Lecture
14.	08/03/17	Electrification	Guest Lecture - Electrical control and safety devices – switches, fuse, circuit breakers earthing, lightning conductors etc.	Lecture
15.	15/03/17	Electrification	Electrical Layout	Drawing (4) in Studio 22/3/17
16.	22/03/17	<u>PREFINAL SUBMISSION</u>	Marking and Improvements	
17.	29/03/17	<u>FINAL MARKING</u>	Marking and Mock Test	



T.Y. → ①

M. V. P. SAMAJ'S COLLEGE OF ARCHITECTURE, NASHIK.
ACADEMIC YEAR 2016 -2017

SUBJECT :- WORKING DRAWING (TERM-II)

**FACULTY:-, PROF.ASHISH KHEMNAR ,
PROF.MRS.JOSHI**

PAPER - MARKS = 00
SESSIONAL / VIVA-VOCE
INTERNAL (SESS.) = 100
EXTERNAL(SESS.) = 100
EXTERNAL(VIVA-VOCE) = 00

TOTAL MARKS = 200

TERM-II

	LECTURE/ STUDIO	TIME	CONTENT OF LECTURE / STUDIO/TEST / SITEVISIT / TUTORIAL / SUBMISSION	TEACHING AID/GUEST
1	LECTURE	8.00 AM TO 11.00 AM	INTRODUCTION TO THIS SEM. SYLLBUS R.C.C DRAWING	LECTURE HALL /STUDIO
2	LECTURE	8.00 AM TO 11.00 AM	FINALISE OF DRAWING	LECTURE HALL /STUDIO
3	LECTURE	8.00 AM TO 11.00 AM	COLUMN POSITION ON DOUBLE LINE	LECTURE HALL /STUDIO
4	LECTURE	8.00 AM TO 11.00 AM	CENTER LINE PLAN	LECTURE HALL /STUDIO
5	LECTURE	8.00 AM TO 11.00 AM	CENTER LINE PLAN	LECTURE HALL /STUDIO
6	LECTURE	8.00 AM TO 11.00 AM	FOUNDATION PLAN	LECTURE HALL /STUDIO
7	LECTURE	8.00 AM TO 11.00 AM	GROUND FLOOR PLAN	LECTURE HALL /STUDIO
8	LECTURE	8.00 AM TO 11.00 AM	GROUND FLOOR PLAN	LECTURE HALL /STUDIO
9	LECTURE	8.00 AM TO 11.00 AM	FIRST FLOOR PLAN	LECTURE HALL /STUDIO
10	LECTURE	8.00 AM TO 11.00 AM	SECTIONS	LECTURE HALL /STUDIO
11	LECTURE	8.00 AM TO 11.00 AM	SECTIONS	LECTURE HALL /STUDIO
12	LECTURE	8.00 AM TO 11.00 AM	ALL SIDE ELEVATIONS	LECTURE HALL /STUDIO
13	LECTURE	8.00 AM TO 11.00 AM	ALL SIDE ELEVATIONS	LECTURE HALL /STUDIO
14	LECTURE	8.00 AM TO 11.00 AM	DETAIL DRAWINGS	LECTURE HALL /STUDIO
15	LECTURE	8.00 AM TO 11.00 AM	MUNCIPAL DRAWINGS	LECTURE HALL /STUDIO
16	LECTURE	8.00 AM TO 11.00 AM	SUBMISSION	LECTURE HALL /STUDIO



✓
T.Y. → (7)

M V P SAMAJ'S
COLLEGE OF ARCHITECTURE, NASHIK.
ACADEMIC YEAR 2016 -2017

YEAR :- THIRD YR. B.ARCH.

SUBJECT :- **BUILDING CONSTRUCTION & MATERIAL-III**

CONTACT PERIOD/WEEK = L + S = 1+3

TOTAL CONTACT PERIOD / YEAR = 29

TERM :- II

TOTAL MARKS(PAPER) = 100

INTERNAL : 50 + ____ + ____ = ____

EXTERNAL: 50 +50 + ____ = ____

TOTAL : 150

TEACHERS:-1)PROF.AR.SANJEEV Y. PATIL

2) PROF.AR.SURUCHI RANADIVE

SECOND TERM

No.	DATE	LECTURE/ STUDIO	TIME	CONTENT OF LECTURE /STUDIO / TEST / SITEVISIT / TUTORIAL / SUBMN	TEACHING AID/GUEST
1	MON 5th DEC	LECTURE SITE VISIT & LIBRARY Prof Sanjeev Patil	8:00 AM TO 10:15 AM 10:15 AM TO 2:30 PM	SUSPENDED CEILING - ASSIGN NO. I IN T-W, A.C. SHEET, GYPSUM BOARD, FIBRE BOARD SITE VISIT & SELF STUDY (LIBRARY) ASSIGN NO. I - 2 SHEETS	LED PROJECTOR MARKER. DUSTER
2	MON 19th DEC	STUDIO	8:00 AM TO 10:15 AM 10:45 AM TO 2:30 PM	SHEET (START) ASSIGN NO. I	
3	MON 26th DEC	STUDIO	8:00 AM TO 10:15 AM 10:45 AM TO 11:30 AM 11:30 AM TO 2:30 PM	SHEET CONTINUED SHEET (START) ASSIGN NO. I SHEET (COMPLETE) ASSIGN NO. I	LED PROJECTOR MARKER. DUSTER
4	MON 2nd JAN	LECTURE LIBRARY / STUDIO STUDIO Prof Sanjeev Patil	8:00 TO 10:15 AM 10:45 AM TO 2:30 PM	PANELLING & SPACE DIVIDERS USING WOOD, ALUMINUM & STEEL SELECTION IN PLYWOOD, GYPSUM BOARD ETC. SELF STUDY SHEET (START) ASSIGN NO. II NO.OF SHEETS = 2	
5	MON 9th JAN	STUDIO STUDIO Prof Sanjeev Patil	8:00 TO 10:15 AM 10:45 AM TO 2:30 PM	SHEET (COMPLETE) ASSIGN NO. II	
6	MON 16th JAN	LECTURE LIBRARY STUDIO Prof Sanjeev Patil	8:00 AM TO 10:15 AM 10:45 AM TO 11:30 AM 10:45 AM TO 2:30 PM	SIMPLE JOINERY IN WOOD BASED PRODUCTS FOR INTERIOR (SKETCHES & NOTES) MODEL TO BE MADE - DIWAN,BED,KITCHEN CABINET ,WARDROB,CHAIR & TABLE WALL UNIT SELF STUDY ASSIGN NO. III COMPLETE & SITE VISIT	LED PROJECTOR MARKER. DUSTER
7	MON 23rd JAN	LECTURE STUDIO Prof Suruchi Ranadive	8:00 TO 10:15 AM 10:45 AM TO 2:30 PM	ASSIGN NO. III SHEET CONTINUED	LED PROJECTOR MARKER. DUSTER
8	MON 30th JAN	LECTURE HALL LIBRARY STUDIO Prof Suruchi Ranadive	8:00 AM TO 10:15 AM 10:45 AM TO 11:30 AM 11:30 AM TO 2:30 PM	ASSIGN NO. III SHEET CONTINUED COMPLETE NO.OF SHEETS = 1	LED PROJECTOR MARKER, DUSTER



	MON 6th FEB	LECTURE Prof Suruchi Ranadive	8:00 TO 10:15 AM 10:45 AM TO 2:30 PM	MATERIALS:- GLASS & GLASS PRODUCT IN BLOG INDUSTRY POLISHING OF WOOD, PAINTING, RENDERING MATERIAL PRESENTATION JOURNAL WRITING COMPLETE ASSIGN NO. A JOURNAL COMPLETE	LED PROJECTOR MARKER, DUSTER
0	MON 13th FEB	LECTURE LIBRARY / STUDIO STUDIO Prof Sanjeev Patil	8:00 AM TO 11:00 AM 11:30 AM TO 2:30 PM	SLIDING DOORS & SLIDING & FOLDING DOORS IN WOOD SELF STUDY SHEET (START) ASSIGN NO.IV	LED PROJECTOR MARKER, DUSTER
1	MON 20th FEB	STUDIO STUDIO	8:00 TO 10:15 AM 10:45 AM TO 2:30 PM	CONTINUE SHEET SHEET (COMPLETE) ASSIGN NO.IV NO.OF SHEETS = 1	
12	MON 27th FEB	LECTURE LIBRARY STUDIO Prof Sanjeev Patil	8:00 AM TO 10:15 AM 10:45 AM TO 11:30 AM 11:30 AM TO 2:30 PM	BAY WINDOWS IN WOOD SKETCHES & NOTES – COMPLETE ASSIGN NO. B JOURNAL (COMPLETE) ALUMINIUM & PVC DOORS & WINDOWS SELF STUDY SKETCHES & NOTES COMPLETE ASSIGN NO. C JOURNAL (COMPLETE)	LED PROJECTOR MARKER, DUSTER
13	MON 6th MARCH	STUDIO Prof Suruchi Ranadive	8:00 TO 10:15 AM 10:45 AM TO 1:00 PM	ESCALATORY COMPLETE SKETCHES & NOTES ASSIGN NO. D JOURNAL (COMPLETE)	
14	MON 13th MARCH	LECTURE LIBRARY / STUDIO STUDIO	8:00 AM TO 10:15 AM 10:45 AM TO 11:30 AM 11:30 AM TO 2:30 PM	MARKING OF PORT FOLIO & INTERNAL VIVA-VOCE	
15	MON 20th MARCH	STUDIO STUDIO	8:00 TO 10:15 AM 10:45 AM TO 2:30 PM	REVISION – TOTAL SYLLABUS TERM-I & II FINAL SUBMISSION	
16	MON 27th MARCH			INTERNAL TEST IF TIME PERMITS	

Submit. ✓



NO.	DATE & TIME	ACTIVITY (SUPERISED / UNSUPERVISED)	CONTENT	TEACHING AID & PREPARATION REQUIRED
1	MON 26th DEC 8.00 AM	SUBMISSION	ASSIGN NO. I SHEET	
2	MON 9th JAN 8.00 AM	SUBMISSION	ASSIGN NO. II SHEET	
3	MON 30th JAN 8.00 AM	SUBMISSION	ASSIGN NO. III SHEET	
4	MON 6th FEB 8.00 AM	SUBMISSION	ASSIGN NO. A JOURNAL	
6	MON 20th FEB 8.00 AM	SUBMISSION	ASSIGN NO. IV SHEET	
7	MON 27th FEB	SUBMISSION	ASSIGN NO. B & C JOURNAL	
8	MON 6th MARCH	SUBMISSION	ASSIGN NO. D JOURNAL	
10	MON 20th MARCH	FINAL SUBMISSION		

READING LIST

NO	TITLE & CONTENTS	AUTHOR
1	CONSTRUCTION OF BUILDING	BARRY - VOL. - I TO 5
2	BUILDING CONSTRUCTION	MCKAY - VOL. - I TO 4
3	ELEMENTS OF STRUCTURE	MORGAN
4	BUILDING CONSTRUCTION	CHUDLEY - VOL. - I TO 4
5	BUILDING CONSTRUCTION ILLUSTRATED	CHING FRANCIS B.K.
6		
FEED BACK		

NOTE : ACTIVITY MAY INCLUDE - LECTURE
DISCUSSIONS

PRESENTATION

GUEST LECTURE

AUDIO VISUAL SESSION

SELF STUDY



fourth year

M. V. P SAMAJ'S COLLEGE OF ARCHITECTURE, NASHIK.
ACADEMIC YEAR 2016 -2017

SUBJECT :- ARCHITECTURAL DESIGN -IV (TERM-II)

**FACULTY:- 1) PROF.SANJEEV Y. PATIL , 2) PROF.ASHISH KHEMNAR
3) AR.SATISH PAWAR 4) AR.AMOL CHAUDHARI**

PAPER - MARKS = NO THEORY PAPER

SESSIONAL / VIVA-VOCE

INTERNAL (SESS.) = 125

EXTERNAL (SESS.) = 125

EXTERNAL (VIVA-VOCE) = 50

TOTAL MARKS = 300 (TERM-II)

TERM-II

	DAY / DATE	LECTURE / STUDIO	TIME	CONTENT OF LECTURE / STUDIO / TEST / SITE VISIT / TUTORIAL / SUBMISSION	TEACHING AID / GUEST
1	TUE 6 DEC	LECTURE	10.00 AM TO 2:30 PM	LECTURE-INTRODUCTION OF THE SYLLABUS REVIEW & DISCUSSION	LECTURE HALL /STUDIO
2	FRI 9 DEC	LECTURE SITE VISIT LIBRARY	10.00 AM TO 2:30 PM	FORMING THE GROUPS & FLOATING THE TOPIC OF THE PROBLEM & LECTURE	LECTURE HALL /STUDIO
3	TUE 13 DEC	STUDIO	10.00 AM TO 2:30 PM	DATA COLLECTION & CONTACT FOR SITE VISIT & PERMISSION & DISCUSSION	LECTURE HALL /STUDIO
4	FRI 16 DEC	LECTURE LIBRARY / STUDIO STUDIO	10.00 AM TO 2:30 PM	INTRODUCTION DATA COLLECTION PRESENTATION - BOOK CASE STUDY & SITE SELECTION	LECTURE HALL /STUDIO
5	TUE 20 DEC	STUDIO STUDIO	10.00 AM TO 2:30 PM	WORKING OUT THE REQUIREMENTS, CASE STUDIES	LECTURE HALL /STUDIO
6	FRI 23 DEC	STUDIO STUDIO	10.00 AM TO 2:30 PM	DETAIL DISCUSSION ON REQUIREMENT & DESIGN PROBLEM	LECTURE HALL /STUDIO
7	TUE 27 DEC	LECTURE LIBRARY SITE VISIT	10.00 AM TO 2:30 PM	DETAIL REQUIREMENTS FINALISING THE PROPOSED SITE & DISCUSSION ON DESIGN PROBLEM & STARTING WITH DESIGN PROCESS	LECTURE HALL /STUDIO
8	FRI 30 DEC	STUDIO STUDIO	10.00 AM TO 2:30 PM	DEALING ARCHITECTURAL DESIGN W.R.T. SITE & SCALE	LECTURE HALL /STUDIO
9	TUE 3 JAN	LECTURE LIBRARY STUDIO	10.00 AM TO 2:30 PM	DISCUSSION ON VARIOUS ASPECT OF PLANNING & DESIGN & REQUIREMENTS BEFORE SITE VISIT AT MUMBAI & LIVE CASE STUDY AT PUNE.	LECTURE HALL /STUDIO
10	FRI 5,6 OR 6,7 JAN	SITE VISIT	10.00 AM TO 2:30 PM	PUNE & MUMBAI	LECTURE HALL /STUDIO
11	TUE 10 JAN	LECTURE LIBRARY / STUDIO	10.00 AM TO 2:30 PM	PRESENTATION OF CASE STUDY (LIVE) & DISCUSSION OVER IT WITH SITE ANALYSIS	LECTURE HALL /STUDIO
12	FRI 13 JAN	STUDIO	10.00 AM TO 2:30 PM	SITE ANALYSIS & LIVE CASE STUDY PRESENTATION GROUP WISE - MARKING - I (SITE MODEL)	LECTURE HALL /STUDIO
13	TUE 17 JAN	LECTURE LIBRARY STUDIO	10.00 AM TO 2:30 PM	DESIGN CONCEPT - ZONING REQUIREMENT STAGE - I FREEZING OF DESIGN REQUIREMENT & CONCEPT	LECTURE HALL /STUDIO
14	FRI 20 JAN	STUDIO STUDIO	10.00 AM TO 2:30 PM	CONTINUATION OF CONCEPT & LEADING DESIGN CONCEPT - STAGE - II	LECTURE HALL /STUDIO



15	TUE 24 JAN	LECTURE LIBRARY / STUDIO	10.00 AM TO 2:30 PM	SITE PLANNING ,ACTIVITY DISTRIUBUATION & ZONING	LECTURE HALL /STUDIO
16	FRI 27 JAN	STUDIO STUDIO	10.00 AM TO 2:30 PM	CONTIUATION - SITE PLANNING ,ACTIVITY DISTRIUBUATION & ZONING	LECTURE HALL /STUDIO
17	TUE 31 JAN	LECTURE	10.00 AM TO 2:30 PM	DEV.OF PHYSICAL FORM & SPACES	LECTURE HALL /STUDIO
18	FRI 3 FEB	LECTURE SITE VISIT LIBRARY	10.00 AM TO 2:30 PM	CONTIUATION - DEV.OF PHYSICAL FORM & SPACES —————→	STUDIO ← P. Week. for Back logs
19	TUE 7 FEB	STUDIO	10.00 AM TO 2:30 PM	EXLPROTATION OF ALTERNATIVE STYDY MODLES UNDERSTANDING IMPACT OF THE FORM ON SURROUNDING STUDY MODLE -I	STUDIO
20	FRI 10 FEB	LECTURE LIBRARY / STUDIO STUDIO	10.00 AM TO 2:30 PM	REVIEW & MARKING ,DISCUSSION ON WORK DONE TILL DATE - MARKING -II	STUDIO
21	TUE 14 FEB	STUDIO STUDIO	10.00 AM TO 2:30 PM	PROGRESSIVE DEVELOPMENT OF PHYSICAL DESIGN	STUDIO
22	FRI 17 FEB	STUDIO STUDIO	10.00 AM TO 2:30 PM	CONTINUE -PROGRESSIVE DEVELOPMENT OF PHYSICAL DESIGN	STUDIO
23	TUE 21 FEB	LECTURE LIBRARY	10.00 AM TO 2:30 PM	DESIGN REVIEW & DISCUSSION ,CRITICISAM STUDTY MODLE MARKING -III	STUDIO
24	FRI 24 FEB	-----	-----		STUDIO
25	TUE 27 FEB	LECTURE LIBRARY STUDIO	10.00 AM TO 2:30 PM	DESIGN REWIEW WITH SPECIFIC EMPHASIS ON SERVICES ,STRUCTURE ,ERATHQUAAQE TECHNOLOGY & GRENN BUILDING CONCEPT - GUEST LECTURE	STUDIO
26	FRI 3 MAR	LIBRARY / STUDIO	10.00 AM TO 2:30 PM	PROGRESSIVE SEVICES ,STRUCTURE ,ETC DISCUSSION & SELF STUDY	STUDIO
27	TUE 7 MAR	LECTURE	10.00 AM TO 2:30 PM	PRESENTAION PROGRESSIVE SERVICES STRUCTURE ,ETC. MARKING -IV	STUDIO
28	FRI 10 MAR	STUDIO	10.00 AM TO 2:30 PM	START WITH DESIGN (ROUGH) DRAWING - PLAN,SECTION	STUDIO
29	TUE 14 MAR	LECTURE & STUDIO	10.00 AM TO 2:30 PM	START WITH DESIGN (ROUGH) DRAWING - PLAN,SECTION DISCUSSION & CRITICISM,D.C.RULES & FIRE FIGHTING RULE,LAND SCAPE,PARKING LAYOUT ETC.- MARKING - V	STUDIO
30	FRI 17 MAR	STUDIO	10.00 AM TO 2:30 PM	PRESENTATION -PRE FINAL ROUGH SCHME WORKED OUT	STUDIO
31	TUE 21MAR	LECTURE STUDIO	10.00 AM TO 2:30 PM	REVIEW OF DRG.& DISS.OVER TOTAL DESIGN & CRITICISM PRE FINAL MARKING MARKING - VI	STUDIO
32	FRI 24,25 & 26 MAR	STUDIO	10.00 AM TO 5:30 PM	DESIGN WEEK	STUDIO
33	TUE 28 MAR	-----	-----	HOLIDAY-GUDI PADWA	STUDIO
	FRI	STUDIO			STUDIO

