

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

1.3- Curricular Enrichment

1.3.3





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Criterion 1 - Curricular Aspects

Key Indicator - 1.3 Curriculum Enrichment

1.3.3 Percentage of students undertaking project work/field work/internship (data for latest completed academic year)

Sr. No.	Contents (Documents)		
A)	List of Students undertaking project work/field work/internship		
В)	List of courses that includes project work/field work/internship AY 2020-2021 (latest completed academic year)		
1	AY-2020-2021 Syllabus Details 2019 pattern (First Year B. Arch & Second Year B. Arch) • Letter of implementation of syllabus (2019 Pattern) • Course structure of syllabus (2019 Pattern) • Course details of syllabus that includes project work/fieldwork/internship		
2	AY-2020-2021 Syllabus Details 2015 pattern (Third Year B. Arch, Fourth Year B. Arch, Fifth Year B. Arc Letter of implementation of syllabus (2015 Pattern) Course structure of syllabus (2015 Pattern) Course details of syllabus that includes project work/fieldwork/internship		
c)	AY-2020-2021 Experience Certificate of Fifth Year B. Arch Students in Practical Trainin course (5201570)		
D)	AY-2020-2021 List of topics of Fifth Year B. Arch Students in Architectural Design Project course (5201571)		
E)	AY-2020-2021 Reports of the courses that include project work/ field work/ Internship		





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1.3.3

Percentage of students undertaking project work/field work/internship (data for latest completed academic year)

AY 2020-2021

A) List of Students undertaking project work/field work/internship





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Criteria 1.3.3

Experiential Learning: In the Academic Year 2020-21, Students of 1st Year Architecture participated in Experiential Learning in following courses.

Course Code	Course Title	
1201901[SV] (2019 Pattern)	Basic Design	
1201907 [SS] (2019 Pattern)	Communication Skills	
1201908 [SS] (2019 Pattern)	Workshop I	
1201915[SS] (2019 Pattern)	Fundamentals of Architecture	
1201918 (2019 Pattern)	Audit Course II	

The students list as follows.

Academic Year 2020 - 21 First Year B. Arch.		
Sr. No.	Name of Students	
1	Amrutkar Amisha Ashish	
2	Anturliker Yednyeshwari Arvind	
3	Bagale Omkumar Vinodkumar	
4	Bedse Chaitali Umesh	
5	Birari Vedika Kiran	
6	Boob Disha Mahesh	
7	Borste Vedanti Nitin	
8	Burange Vedant Nitin	
9	Daga Khushi Vinod	
10	Deore Manasi Vilas	
11	Deshmukh Swaraj	
12	Dhanait Manaswi Sharad	
13	Dhanke Himanshu Vilas	
14	Dhanwate Adeeti Datta	
15	Dharmadhikari Srushti Subodh	
16	Gadre Anuja Raghunath	





Einat Va	av D. Aveb	
First Year B. Arch. Sr.No Name of Students		
	Gaike Rutuja	
	Gaikwad Komal Kishor	
	Gangurde Ketki Dinesh	
	Gosavi Ishwari Abhijit	
	Hete Aditi Avinash	
Carried Co.	Hiray Rajratna Sandesh	
	Ingale Aniket Sunil	
	Jadhav Rajendra Daulat	
	Kadam Revati Bhaskarrao	
	Kakani Ritika Sachin	
27	Kardile Rutuja Pramod	
	Kaswa Mitali	
29	Kshirsagar Gayatri Vishwanath	
30	Kshirsagar Purva Vasideo	
31	Kulkarni Anushka Sachin	
32	Kulkarni Rucha Atul	
33	Lad Ashvin Rajendra	
34	Lohar Vaidehi Leeladher	
35	Longaonker Aditi Purushottam	
36	Lolage Samarth Chandrashedhe	er
37	Mahajan Komal Vasudev	
38	Mahajan Mrunmayee Manoj	
39	Mahale Pooja Rajaram	
40	Mali Ashada Sandip	
41	Mali Pratiksha Dattu	
42	Mandore Kaustubh Santosh	
43	Mate Pranali Sudam	
44	Meshram Anushka Arvind	100
45	Jadhav Abhishek Jagannath	
46	Mohite Sakshi Sandesh	6
47	More Sujata Nivrutti	





Academic Year 2020 - 21	
First Year B. Arch.	
Sr.No	Name of Students
48	More Vishal Shravan
49	Naik Kalyani Ramesh
50	Naik Sakshi Sharad
51	Naikwadi Divyal Ramdas
52	Nair Pranav R
53	Nandanwar Saloni Rajendra
54	Navale Shraddha Ajit
55	Nawale Vinaya Rajesh
56	Nikam Janhavi Nilkanth
57	Nirantar Samidha Sachin
58	Odhekar Vaidehi Sanjeev
59	Pagar Harshada Sanjay
60	Palve Kanchan Vijay
61	Patasker Shreyash Tushar
62	Pathadiya Pratik Sunil
63	Pathan Isha Iqlak Ahemad
64	Patil Dipakshi Vishwas
65	Patil Leena Sanjay
66	Patil Rahul Arun
67	Patil Sakshi Bhagwan
68	Patil Saloni Jagdish
69	Patil Sanika Ishwer
70	Pawar Mugdha Sachin
71	Pawar Vaibhavi Uday
72	Phadol Manas Ravi
73	Poojari Trupti Jay
74	
75	Saniya Gulamdastgir Pathan
76	Shelke Dhanashree Prakash
77	Sheluker Aakash Sanjay
78	
79	





Academic Year 2020 - 21 First Year B. Arch.	
Sr.No Name of Students	
80	Shinde Nikita Tanaji
81	Shinde Sejal Jaywant
82	Shinde Yuvraj Chandrabhan
83	Shirole Nrumani Shriniwas
84	Shukla Shubhanshu Prakash
85	Sonawane Shruti Sunil
86	Tatiya Amisha Aadeskumar
87	Thorat Sneha Bapu
88	Vikhar Snehal Nitin
89	Wadile Harshada Kokendra
90	Wagh Tanaya Rajendra





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Criteria 1.3.3

Experiential Learning: In the Academic Year 2020-21, Students of 2nd Year Architecture participated in Experiential Learning in following courses.

Course Code	Course Title
2201917(SV) [2019 Pattern]	Architectural Design II
2201919(SV) [2019 Pattern]	Building Construction & Materials III
2201921(SS) [2019 Pattern]	Computer Aided Drawing & Graphics
2201924(SS) [2019 Pattern]	Building Services I
2201926(SV) [2019 Pattern]	Architectural Design III
2201928(SV) [2019 Pattern]	Building Construction & Materials IV
2201933(SS) [2019 Pattern]	Building Services II

The students list as follows

Academic Year 2020 - 21 Second Year B. Arch.	
Sr. No	Name of Students
1	Agrawal Deep Rajesh
2	Aher Devyani Shailesh
3	Bacchav Purnada Jayraj
4	Baste Trupti Nitin
5	Bhatkhale Siddhesh Sanjay
6	Bhimani Sunny Lalit
7	Bhingole Vaishnavi Kiran
8	Bhoi Divya Devidas
9	Bhoye Dipti Lukaram
10	Borade Arpita
11	Chaudhari Shrushti Dharmaraj
12	Chavan Ninad
13	Chavanke Abhijit Gorakh
14	Desale Pragati Pralhad
15	Deshmukh Harshwardhan Rajesh





	c Year 2020-21
Second Year B. Arch.	
	Name of Students
MANAGER	Falle Rushikesh Devidas
17	Gadekar Radha Dharmesh
18	Gunjal Kanishka Kashinath
19	Hagawane Akshada Balasaheb
20	Halder Nikita Sukharanjan
21	Handore Shyam Pundlik
22	Jadhav Anuja Tushar
23	Jadhav Nikhil Ramesh
24	Jadhav Sumedh Avinash
25	Jagtap Gauri
26	Jagtap Priyanka
27	Kadav Jayesh Vilas
28	Kanawade Shreeram Balasaheb
29	Karanjkar Yukta Jagdish
30	Khaire Kanchan Nilesh
31	Khandhar Yashraj Alpesh
32	Khangsarpa Angela Soden
33	Kothawade Shloka Avinash
34	Bagul Priya
35	Jagtap Kanishka
36	Lokhande Pranita Nitin
37	Londhe Shubham Sham
38	Mahajan Hrutuja Sanjay
39	Mandge Abhishek Mukund
40	Maurya Devesh Rakesh
41	More Vedika Pankaj
42	Mundankar Om Jitendra
43	Nandre Khushbu
44	Navarkar Isha Somnath
45	Nikam Devyani Rajaram
46	
47	Nikam Sujit Vijay





Academic Year 2020-21		
Second Year B. Arch.		
Sr.No	Name of Students	
48	Nirgude Anshula Ramdas	
49	Pardeshi Nandini Dinesh	
50	Pardeshi Payal Sanjay	
51	Patel Pranav Amit	
52	Patil Anjali Vinayak	
53	Patil Tanishka Yogendra	
54	Pawar Janhavi Digamber	
55	Ruikar Sayali Ravindra	
56	Rule Akash Durgesh	
57	Sanap Ritul Sunil	
58	Sayyad Shireen Zakir Husain	
59	Shaikh Araju Rajmahamad	
60	Shinde Utkarsha	
61	Singh Subhani Navin K Singh	
62	Sonawane Shruti Macchindra	
63	Suvarnkar Chinmay Manik	
64	Thakre Suyash Sudhakar	
65	Thete Savani Shamkant	
66	Thorve Nikita Bandu	
67	Wagh Mansi Hemant	
68	Wagulde Sanyukta Pankaj	
69	Waje Kalyani Kisan	
70	Walhe Rucha Rajesh	
71	Pawar Nilesh	
72	Shinde Tejaswini	
73	Rabhadiya Nilesh Hirji	
74	Suryavanshi Ketan Balakrishna	
75	Dive Sushil Ramesh	





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Criteria 1.3.3

Experiential Learning: In the Academic Year 2020-21, Students of 3rd Year Architecture participated in Experiential Learning in following courses.

Course Code	Course Title
3201537[SV] [2015 Pattern]	Building Technology & Materials-V
3201539[SS] [2015 Pattern]	Landscape Architecture - I
3201547[SV] [2015 Pattern]	Building Technology & Materials-VI
3201549[SS] [2015 Pattern]	Landscape Architecture - II
3201550[SS] [2015 Pattern]	Building Services - IV

The students list as follows.

Academic Year 2020-21 Third Year B. Arch.	
Sr.No	Name of Students
1	Agrawal Khushal Vishnu
2	Agrawal Palak Yogesh
3	Ahire Gayatri Arun
4	Ansari Mohamad Hamid
5	Bafna Diksha
6	Bafana Saloni Pravin
7	Bagul Leena Harish
8	Bagul Nihali Vijay
9	Bendkule Vrushali Madhukar
10	Bhusal Sonali Anil
11	Budhale Pranjal Nitin
12	Bora Chetan
13	Borade Nilima Bhaskar
14	Chandak Shruti Mukesh
15	Chandsare Samrudhi C.
16	Chavan Ankita Anil
17	Chhajed Saloni Nilesh
18	Chitte Kaustubh Anantkumar
19	Chopada Bhavik Manoj





Academic Year 2020-21 Third Year B. Arch.			
Sr.No	Name of Students		
20	Chumbhale Ritu Kailas		
21	Chumbhale Utkarsha Ramchandra		
22	Dahite Dhanashri Devidas		
23	Deore Sharyu Bharat		
24	Deshmukh Sakshi Suresh		
25	Dhanwate Shruti Dinkar		
26	Dive Tishya Sanjay		
27	Gangaputra Priyanka Ganesh		
28	Garud Vaishnavi Rishikesh		
29	Gawande Gauri Sunil		
30	Ghadavaje Nisha Sanjay		
31	Ghate Samruddhi Nivrutti		
32	Ghumare Rasika Nitin		
33	Gopale Pranjal Shashikant		
34	Handge Vaidehi Deepak		
35	Inamdar Aman Bashirshah		
36	Iste Yashwant		
37	Jadhav Sohan Jagdish		
38	Jain Vardhaman Manoj		
39	Kadam Bhairavi Nitin		
40	Kalal Nikita Vinay		
41	Kale Nishant Sunil		
42	Karwa Vaishnavi Girish		
43	Kataria Shreyans Rajesh		
44	Patil Sneha Sampat		
45	Wagh Sneha		
46	Khivsara Garima Sandeshkumar		
47	Khole Sameer Santosh		
48	Kothawade Shivani Devendra		
49	Kudekar Nishant Navnath		
50	Kulkarni Vaishnavi Dnyaneshwar		
51	Lande Kavita Bhausaheb		





Academic Year 2020-21 Third Year B. Arch.		
52	Mahajan Pooja Sunil	
53	Mahajan Shruti Arun	
54	Mali Aditi Vijay	
55	Manjare Pradnya	
56	Maniyar Mohit Rajendra	
57	Marathe Avinash Kailash	
58	Mhasde Nilbhushan Madhukar	
59	Nagare Payal Sanjay	
60	Obed Maniyar	
61	Patel Yash Chetanbhai	
62	Patil Aditi	
63	Patil Mansi Ajay	
64	Patil Nikita Gorakh	
65	Patil Tanvi Sunil	
66	Patil Trupti Dinkar	
67	Pawar Abhinav	
68	Pawar Manali Jitendra	
69	Pawar Prashant	
70	Pophale Nandini Vinod	
71	Ramteke Sanchit Girish	
72	Raut Nikita Kishor	
73	Raut Vaishnavi Rajendra	
74	Rubdi Ajay Devid	
75	Sable Shubham Sudam	
76	Salunke Raoou Nitin	
77	Sanap Omkar Bhikan	
78	Shah Yukta Alpesh	
79	Shinde Gauray Gorakh	
80	Shirode Shruti Manohar	
81	Sonawane Abhijit Uttam	
82	Sonawane Akanksha Sunil	
83	Sood Shreya Munish	
84	Thakare Aarti Sanjay	





Academic Year 2020-21 Third Year B. Arch.		
Sr.No	Sr.No Name of Students	
85	Thakare Rushikesh Satish	
86	Upasani Simran Sumant	
87	Vaidya Vaishnavi Tanaji	
88	Yeole Mrunali Manoj	
89	Zanwar Yash Shailesh	
90	Kambale Ketaki	
91	Nimdeokar Pooja	
92	Wagh Rohit	





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Criteria 1.3.3

Experiential Learning: In the Academic Year 2020-21, Students of 4th Year Architecture participated in Experiential Learning in following courses.

Course Code	Course Title
4201554 (SV) [2015 Pattern]	Design VII
4201557 (SV) [2015 Pattern]	Urban Studies - I
4201560 (SS) [2015 Pattern]	Specification Writing - I
4201562(SV) [2015 Pattern]	Design VIII
4201565 (SV) [2015 Pattern]	Urban Studies - II
4201566 (SS) [2015 Pattern]	Research in Architecture - II
4201568 (PP) [2015 Pattern]	Specification Writing - II

The students list as follows.

Sr.No	Name of Students	
1	Adkattalwar Pooja Rohit	
2	Agnihotri Riya Abhijit	
3	Ahire Rashmi Nandkumar	
4	Ahire Shubham Rajaram	
5	Ahirrao Anjali Nitin	
6	Avhad Mangesh Sanjay	
7	Bagad Pratima Digambar	
8	Barbarwar Mayuresh Prashant	
9	Bhalerao Sanika Deepak	
10	Bhutada Chaitanya Nitin	
11	Bhutada Vrunda Sanjay	
12		
13	3 Birari Sahil Anil	
14	4 Borse Ashwini Manoj	
15	Choudhary Suresh Lalaram	
16	Dabhade Pratik Chandrakant	
17	17 Dangale Avinash Sunil	
18	Desai Pooja Ravindra	





cademic Year 2020-21 ourth Year B. Arch.		
		Sr.No
19	Dhamale Sanket Balkrishna	
20	Dhage Krishana Shashikant	
21	Dharankar Mrunmayi Mangesh	
22	Dhumne Pranali Sanjay	
23	Dokhale Pooja Dipakrao	
24	Gaikwad Akshay Jairam	
25	Gaikwad Vrutik Vijay	
26	Gunjal Nikita Dilip	
27	Handore Sakshi Rajendra	
28	Hiray Mahua Nitin	
29	Husain Rangwala Khuzema	
30	Jain Ritik Praful	
31	Lohade Siddhant Jitendra	
32	Metkar Saloni Uddhav	
33	Minde Roshan Purushottam	
34	Misal Shashwati Shyam	
35	Mogal Sai Pramod	
36	Mohod Vaibhav Sunil	
37	Nagoshi Pradyumna Arunrao	
38	Nathe Snehal Dagu	
39	Parakh Riya Prasanna	
40	Pardeshi Shivani Sunilsingh	
41	Patil Divya Manoj	
42	Patil Pooja Shankar	
43	Pawar Manasi Pradeepkumar	
44	Pawar Mukesh Chhagan	
45	Rabde Aditi Suhrud	
46	Rao Rajashree Goverdhan	
47	Sadgir Shivani Dinesh	
48	Shiwarkar Kunal Rajendra	
49	Sakarekar Saurabh Udaykant	
50	Sakhala Srushti Shital	
51	Sanap Vaishnavi Sanjay	





Academic Year 2020-21 Fourth Year B. Arch.		
Sr.No	Name of Students	
52	Sancheti Shruti Santosh	
53	Sethia Neha Rajkumar	
54	Shah Kunal Sanjay	
55	Shelke Ganesh Shantaram	
56	Singh Aniket Mahendra	
57	Sontakke Sukhada Sanjay	
58	Thorat Pratiksha Bhausaheb	
59	Verma Nisha Sandip	
60	Walke Arpita Sandip	
61	Warule Rohit Pravin	
62	Shaikh Arshiyan Ahmer Shadul	





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Criteria 1.3.3

Experiential Learning: In the Academic Year 2020-21, Students of 5th Year Architecture participated in Experiential Learning in following courses.

Course Code	Course Title	
5201570 (SV)	Practical Training	
5201571 (SV)	Architectural Design Project	

The students list as follows.

Acaden	Academic Year 2020- 21		
Fifth Year B. Arch.			
Sr.No	Name of Students		
1	Ahire Shweta Yogesh		
2	Ahire Swapnil Madhukar		
3	Amrutkar Vinod Satish		
4	Bachhav Aparna Bhaskar		
5	Benke Karan Vasant		
6	Bhamare Monika Vasant		
7	Bhosale Sayee Deepakjyoti		
8	Bhosle Aditya Sambhaji		
9	Bhutada Vaishnavi Kailas		
10	Boraste Neela Anil		
11	Boraste Rutuja Rajendra		
12	Chadha Jasleenkaur Tejendersingh		
13	Chandiwal Astha Piyush		
14	Choudhary Himani Prasanna		
15	Chourasia Vedant Sanjay		
16	Chungade Shefali Jagdishsingh		
17	Dandagavhal Gayatri Ramrao		
18	Dapse Vijaya Shekhar		
19	Darekar Shrutika Vikas		
20	Dashpute Akash Nitin		
21	Dengle Rasika Sunil		
22	Dhawale Priyanka Arvind		
23	Ghadge Darshan Devidas		
24	Ghumare Akansha Ramnath		
25	Gite Kalyani Anil		





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Academic Year 2020-21 Fifth Year B. Arch.		
Sr.No	Name of Students	
26	Hire Namrata	
27	Jain Snehada Sanat	
28	Kale Rutuja Dattatraya	
29	Kamble Swati Sameer	
30	Kapote Shraddha Rajendra	
31	Kasliwal Saloni Satish	
32	Kawade Pratiksha Balasaheb	
33	Khivasara Ruchi Ishwar	
34	Koshire Aarya Sharad	
35	Kulkarni Shreya Parag	
36	Kulthe Gauri Girish	
37	Lalwani Sonali Shamlal	
38	Malpani Shrirang Radheya	
39	Mekhe Snigdha Sandip	
40	Miyaji Murtaza Tameem	
41	More Bhakti Vilas	
42	Pagar Sakshee Sangram	
43	Pande Rushiraj Pawan	
44	Pardeshi Sahil Milind	
45	Patel Dharmik Jayesh	
46	Patil Nehal Dinesh	
47	Patil Pooja Dilip	
48	Patil Shreerang Pravin	
49	Patil Tejashri Dadasaheb	
50	Pawar Ankita Sanjeev	
51	Pingle Yash Pradeep	
52	Pise Maithili Milind	
53	Raiya Ronak Kamlesh	
54	Sanap Aarti Anil	
55	Saranjame Kaustubh Shripad	
56	Selvam Chinmai V.	
57	Shaikh Arshiyan Ahmer Shadul Hussian	



Academic Year 2020-21 Fifth Year B. Arch.		
Sr.No	Name of Students	
58	Shewale Amruta Darshan	
59	Shewale Triveni Rajendra	
60	Shinde Manjit Jagdish	
61	Sonawane Tejas	
62	Soni Vishwal	
63	Thakare Neha	
64	Thakkar Kejal	
65	Tolani Twinkle	
66	Ugaonkar Kasturi	
67	Vairagar Aashish	
68	Wade Prachi	





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1.3.3

Percentage of students undertaking project work/field work/internship (data for latest completed academic year)

AY 2020-2021

- B) List of courses that includes project work/field work/internship (latest completed academic year)
- Syllabus Details 2019 pattern (First Year B. Arch & Second Year B. Arch)
- Letter of implementation of syllabus (2019 Pattern)
- Course structure of syllabus (2019 Pattern)
- Course details of syllabus that includes project work/fieldwork/internship





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Criteria 1.3.3

Experiential Learning: In the Academic Year 2020-21, Students participated in Experiential Learning in following courses.

Academic Year 2020-21

1st Year B.Arch.		
Course Code	Course Title	
1201501 [SV] [2019 Pattern]	Basic Design	
1201907 [SS] [2019 Pattern]	Communication Skills	
1201908 [SS] [2019 Pattern]	Workshop I	
1201915[SS] [2019 Pattern]	Fundamentals of Architecture	
1201918 [2019 Pattern]	Audit Course II	
2 nd Year B.Arch.		
2201917(SV) [2019 Pattern]	Architectural Design II	
2201919(SV) [2019 Pattern]	Building Construction & Materials III	
2201921(SS) [2019 Pattern]	Computer Aided Drawing & Graphics	
2201924(SS) [2019 Pattern]	Building Services I	
2201926(SV) [2019 Pattern]	Architectural Design III	
2201928(SV) [2019 Pattern]	Building Construction & Materials IV	
2201933(SS) [2019 Pattern]	Building Services II	
3 rd Year B.Arch.	•	
3201537[SV] [2015 Pattern]	Building Technology & Materials-V	
3201539[SS] [2015 Pattern]	Landscape Architecture - I	
3201547[SV] [2015 Pattern]	Building Technology & Materials-VI	
3201549[SS] [2015 Pattern]	Landscape Architecture - II	
3201550[SS] [2015 Pattern]	Building Services - IV	
4 th Year B.Arch.		
4201554 [SV] [2015 Pattern]	Design VII	
4201557 [SV] [2015 Pattern]	Urban Studies -I	
4201560 [SS] [2015 Pattern]	Specification Writing - I	
4201562 [SS] [2015 Pattern]	Design VIII	
4201565 [SV] [2015 Pattern]	Urban Studies - II	
4201566 [SV] [2015 Pattern]	Research in Architecture II	
4201568 [SV] [2015 Pattern]	Specification Writing – II	
5 th Year B.Arch.		
5201570 (SV) (2015 Pattern)	Practical Training	
5201571 (SV) (2015 Pattern)	Architectural Design Project	



सावित्रीबाई फुले पुणे विद्यापीठ (पूर्वीचे पुणे विद्यापीठ)

(Formerly University of Pune)

शैक्षणिक विभाग गणेशखिंड, पुणे-४११ ००७

दूष्ट्यनी क्र. : ०२०-२५६०१२५७/५८/५९ Savitribai Phule Pune University

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संदर्भ कः ८८। ५२ 631

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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 अभ्यासकम शैक्षणिक वर्ष २०१९—२० पासून सुरू करण्यास मान्यता देण्यात येत आहे.

सदर अभ्यासकम सावित्रीबाई फुले पुणे विद्यापीठाच्या <u>www.unipune.ac.in</u> 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 दप्तर विभाग
- १०. मा. संचालक, आंतरराष्ट्रीय केंद्र
- ११. मा. उपकुलसचिव, शैक्षणिक प्रवेश विभाग
- १२. सहायक कुलसचिव, गोपनीय कक्ष
- १३. सहायक कुलसचिव, परीक्षा-एस.ॲण्ड टी. विभाग
- १४. सहायक कुलसचिव, परीक्षा समन्वय
- १५ सहायक कुलसचिव, मा. प्र-कुलगुरू कार्यालय
- १६. वरिष्ठ कायदा अधिकारी
- १७. जनसंपर्क अधिकारी
- १८. कक्षाधिकारी, बहि:स्थ विभाग
- १९. प्रमुख, विद्यापीठ उपकेंद्र : अहमदनगर, नाशिक.

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



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



COURSE STRUCTURE BACHELOR OF ARCHITECTURE [B.Arch.]

The syllabus structure is based upon 28 clock hours per week for 1stto 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

CourseCo de	CourseTitle	L	S	T	Theo	ory	Sessio		Total Marks	Credi ts
/					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	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			25						

FIRST YEAR B.ARCH. SEMESTER II

Course Code	Course Title	L	S	Т	Theo	ory	Session and /	10 TA 00 Hall 54	Total Marks	Credi ts
					In Sem	End Sem	SS	SV		T-
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	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			- CAD		850	28
1201918	Audit Course					10	TP 77	150		

SECOND YEAR B.ARCH. SEMESTER III

Course Code	Course Title	L	S	T	Theory		Sessional and / Viva		Total Marks	Credi ts
					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	Т	Theory		Sessional and / Viva		Total Marks	Credi ts
					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
201930	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	1		50		50	1
2201934	Site Survey and Analysis	1	3	4			50		50	2
		10	18	28					850	28
2201936	Audit Course									



SEMESTER I

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

- 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].
- Introduction to multi-sensory aspects of space.
- 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.
- 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.



COMMUNICATION SKILLS					
Subject Code 1201907 [SS]					
Teaching Scheme	Examination Scheme				
Total Contact	Sessional [CIA 25+ EA 50 25]				
Hours per week= (lectures=2,	In-semester exam	NIL			
Studio=1, Total=3)	End Semester exam	NIL			
20000000000000000000000000000000000000	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.

College of PK Architecture on Nathik

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





FUNDAMENTALS OF ARCHITECT	URE				
Subject Code 1201915 [SS]					
Teaching Scheme	Examination Scheme				
	Sessional [CIA25+EA25]	50			
Total Contact Hours per week= (lectures=2,	In-semester exam	NIL			
Studio=1, Total=3)	End Semester exam	NIL			
Stadio-1, Total-3)	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 SalvadoriMario
- 2. Design Fundamentals in Architecture Pramar
- 3. Architecture: Form, Space and order Francis D. K.Ching

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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.

Sr.	Code	Title	Brief Course Outline
No.	A	Crafts	Introduction to crafts across the world through history. Types of Indian crafts
			Study of any one craft of India.
2	В	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	С	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.
SECO	ND YEAR B.A	ARCH. [ANY ONE COURSE TO	D 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.
	1.		BE OFFERED PER SEMESTER FROM THE FOLLOWING]
7	G	Basics of Accounting	Introduction to accounting and various terminologies. Maintaining books of
•	"	and Book keeping	account. Debit and credit.
8	Н	Electrical	Basic electrical gadgets in home and offices. Introduction to problems related
		Maintenance	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.
FOUF	RTH YEAR B.A	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	К	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



Architectural Design II						
Course Code	2201917[SV]					
TeachingScheme	ExaminationScheme					
TotalContact Hoursperweek	Sessional [CIA 100 + EA 100] 200 Viva [Int 25 + Ext 25] 50					
(lectures=1 Studio=6, Total = 7)	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. Antoniades, 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
- 5. Sealey, A. (1979). Introduction to building climatology. Commonwealth Association of
- 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 arquitecture (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. NithyaSrinivasan and KiranVenkatesh., 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

Course Code	2201918 [P]& 2201919 [SV]				
TeachingScheme	ExaminationScheme				
TotalContact Hoursperweek	Sessional [CIA 25 + EA 25] Viva [Int 25 + Ext 25]	50 50			
(lectures=2 Studio=3, Total = 5)	In semester exam	30			
	End Semester exam	70			
	TotalMarks	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 andwater 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 IIIReinforced 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 IVReinforced 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, columnbeam-slabjunction with details for toilet block, also lintel & weather-shed

UNIT VWindows in non-timber materials

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

UNIT VIFlooring & 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.



- 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):

 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
- Design and Analysis of Steel Structures by V.N.Vazirani. M.M.Ratwani and Vineet Kumar (For Wooden Structures Unit 2b)

Computer Aided Drawi	ng and	Graphics	
Subject Code	T D	2201921[SS]	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1,	04	Sessional [CIA 25 + EA 25] In semester exam	50
Studio=3)		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 invarious 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

HISTORY OF ARCHITECTURE AND CULTURE III



Course Specific Outcomes:

- 1. An understanding of architecture as a product shaped by various factors like religion and society.
- An understanding of the formal, structural, and stylistic aspects of architectural development.
- 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, VikramadityaPrakash. 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.

Frankyl, 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	To the same	
Course Code	2201923 [P] & 2201924 [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
7 (187)	TotalMarks	150
LOUI.	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

- Illustrative Sketches of Installations of Bathroom accessories and Sanitary ware showing water inlet connection and Drain provisions
- Preparing internal Water supply and Drainage layouts for Residential toilets, Kitchen and Public Toilets
- 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 bebased 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).



Architectural Design III						
Course Code	2201926 [SV]					
TeachingScheme	ExaminationScheme					
TotalContact Hoursperweek (lectures=1 Studio=6, Total = 7)	Sessional [CIA 100 + EA 100] 200 Viva [Int 25 + Ext 25] 50					
	In semester exam	NIL				
	End Semester exam	NIL				
	TotalMarks	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 documentationcovering 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 Mininum Cost Housing. McGill University. Montreal Canada
- 4. Carlos Barquin (1986). How the Other half builds, Volume 2: Plots. Centre for Mininum Cost Housing. McGill University. Montreal Canada
- 5. Vikram Bhatt. (1990). *How the Other half build, Volume 3 : Self selection Process.* Centre for Mininum 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 Interiour 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

Course Code	2201927 [P]& 2201928 [SV]	
TeachingScheme	ExaminationScheme	Mark .
TotalContact Hoursperweek (lectures=2	Sessional [CIA 25 + EA 25] Viva [Int 25 + Ext 25]	50 50
(lectures=2 Studio=3, Total = 5)	In semester exam	30
	End Semester exam	70
	TotalMarks	200
Set 10	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, ferrocement 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-proofingbrick 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 precast 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, 4and 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.



- 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	Sessional [CIA 25 + EA 25]	50				
(lectures=2 Studio=2, Total =4)	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 pointsincluding 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, lightningconductors 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:

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





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1.3.3

Percentage of students undertaking project work/field work/internship (data for latest completed academic year)

AY 2020-2021

- B) List of courses that includes project work/field work/internship (latest completed academic year)
- Syllabus Details 2015 pattern (Third Year B. Arch, Fourth Year B. Arch & Final Year)
- Letter of implementation of syllabus (2019 Pattern)
- Course structure of syllabus (2019 Pattern)
- Course details of syllabus that includes project work/fieldwork/internship



सावित्रीबाई फुले पुणे विद्यापीठ

दूरध्वनी कमांक : ०२०--२५६९१२३३ २५६०१२५८ २५६०१२५९



शैक्षणिक विभाग गणेशखिंड, पुणे—४११ ००७

टेलिग्राफ : 'युनिपुणे'

फॅक्स : ०२०—२५६९१२३३ वेबसाइट : www.unipune.ac.in

इ—मेल : boards@pun.unipune.ac.in

दिनांक : 08/02/2094

संदर्भ क. :सी.बी./इंजि / 963

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 अभ्यासकमांस 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 सबंधित प्राध्यापक व विद्यार्थ्यांच्या निदर्शनास आणून द्यावा.

> प्रचालकाकरित (म.वि.वि.में)

> > यह.प.मा



ोत माहितीसाठी व पुढील योग्य त्या कार्यवाहीसाठी:-

- ध मा. अधिष्ठाता, अभियांत्रिकी विद्याशाखा
- े. मा. संचालक, बी.सी.यु.डी.
- ो. मा. प्राचार्य, सर्व वास्तुशास्त्र महाविद्यालये
- े मा संचालक, सर्व मान्यताप्राप्त संस्था
- ५. मा. परीक्षा नियंत्रक, पुणे विद्यापीठ
- ६ मा. संचालक, स्पर्धा परीक्षा केंद्र
- ५. मा. उपकुलसचिव, परीक्षा (१,२)
- ८, मा. सिस्टीम ॲनालिस्ट 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.ऑण्ड टी. विभाग)
- १४. सहाय्यक कुलसचिव (गोपनीय कक्ष)
- १५. सहाय्यक कुलसचिव (परदेशी विद्यार्थी केंद्र)
- १६. सहाय्यक कुलसचिव (सभा दप्तर)
- १७. कायदा अधिकारी
- १८. जनसंपर्क अधिकारी
- १९. कक्षाधिकारी (बहि:स्थ)
- २०. कक्षाधिकारी (पात्रता विभाग)
- २१. प्रमुख, विद्यापीठ उपकेंद्र : अहमदनगर, नाशिक.

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



सावित्रीबाई फुले पुणे विद्यापीठ (पूर्वीने पुणे विद्यापीठ)

दूरध्वनी कमांक :

०२०-२५६९१२३३

२५६०१२५८

२५६०१२५९



शैक्षणिक विभाग

गणेशखिंड, पुणे—४११ ००७

टेलिग्राफ : 'युनिपुणे'

फॅक्स : ०२०—२५६९१२३३ वेबसाइट : www.unipune.ac.in

इ—मेल : boards@pun.unipune.ac.in

दिनांक : 10/01/2017

संदर्भ क. :सी.बी./इंजि. 134

परिपत्रक क्रमांक. 🤈 🗸 🗸 🗸 🗸

विषय :— तृतीय, चतुर्थ व पंचम वर्ष बी.आर्च २०१५ पॅटर्न अभ्यासकम 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 अभ्यासकमास शैक्षणिक वर्ष २०१७—१८ पासून मान्यता देण्यात येत आहे.

सदर अभ्यासकम 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 सर्वधित प्राध्यापक व विद्यार्थ्यांच्या निदर्शनास आणून द्यावा.

> सेंचालकांकरिता (म.वि.विं.मं)

> > कृ. 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 ॲनालिस्ट डेटा प्रोग्नेसिंग युनिट
- ९. मा. उपकुलसचिव, नियोजन व विकास
- १०. मा. उपकुलसचिव, (पात्रता विभाग)
- ११. मा. उपकुलसचिव (सभा दप्तर)
- १२. मा. संचालक (परदेशी विद्यार्थी केंद्र)
- १३. सहायक कुलसचिव, शैक्षणिक प्रवेश विभाग
- १४. सहायक कुलसचिव (गोपनीय कक्ष)
- १५. सहायक कुलसचिव (परीक्षा-एस.ॲण्ड टी. विभाग)
- १६. सहायक कुलसचिव (परीक्षा समन्वय)
- १७. वरिष्ठ कायदा अधिकारी
- १८. जनसंपर्क अधिकारी
- १९. कक्षाधिकारी (बहि:स्य)
- २०. प्रमुख, विद्यापीठ उपकेंद्र : अहमदनगर, नाशिक.

वि.प. ठराव क. 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



SECOND YEAR B.ARCH. SEM. IV

Code Subject	Subject	Teaching Scheme Periods/Week			Examination	e	Total Marks	Credits	
8		Lecture	Studio	In Semest er	Sessional	Oral	End Semester		
2201526	Design IV	3	8		200	50		250	7
2201527	Building Technology & Materials IV(SV)			30			70		
2201528	Building Technology & Materials IV (PP)	3	4		50	50		200	5
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)	2	2	30			70	150	3
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		Scheme S/Week		Examination	e	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	
3201537	Building Technology & Materials V (PP)	3			50	50		200	5
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		50				
3201541	Building Services III (PP)	2		30			70	150	3
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 Periods		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)	3	8				100	350	,
3201546	Building Technology & Materials VI(SV)			30			70		
3201547	Building Technology & Materials VI (PP)	3	4		50	50		200	5
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)				50			450	
3201551	Building Services IV (PP)	2	2	30			70	150	3
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			2	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

Periods/W	Subject	Teaching Scheme Periods/Week			Total Marks	Credits			
	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



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 BAL OF FACULTY** Viva (External) Periods per week 7 30 (lectures=3, In-semester exam Studio=4) End Semester exam 70 **Total Marks** 200 **Total Credits**

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:

<u>Unit-1</u>: 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.



<u>Unit-2:</u> 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.
- 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.
- <u>Unit 5</u>: Furniture Design and assembly using timber and other material along with finishing and upholstery.

<u>Unit 6</u>: 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)

DRAFT SYLLABUS FOR APPROVAL OF FACULTY 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.

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

Unit-2:

- 1. Ching Francis D.K. Building Construction illustrated. John Wiley & sons. 2014
- National Building Code-2005 & ISI specifications for Materials and Methodology of Various Construction.
- Technical Manuals of various manufacturing companies for proprietary systems of partitions, paneling and suspended ceilings.
- Alan Everett, Yvonne Dean. Mitchell building series, Buiding materials and finishes. Routledge 2014
- 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



Subject Code		3201539(SS)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1,	04	Sessional (Internal) Sessional (External) Viva (Internal) In-semester exam	25 25 nil nil
Studio=3)		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.

ORAFITSYLLABUS 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. Relevence 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.

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.
- 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-VI		
Subject Code	3201546(PP), 3201547(S	SV)	
Teaching Scheme	Examination Scheme		
Total Contact Periods per week (lectures=3, Studio=4) (lectures=3)	Sessional (Internal) Sessional (External) Viva (Internal) Viva (External) In-semester exam	025/AL 0	F FACULT\
	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:

<u>Unit-1</u>: 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.
- 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.
- Retrofitting and base isolation.
- <u>Unit-3</u>: Single basement construction along with waterproofing details, alternative ways of providing and constructing access and provisions to be made for ventilation.
- <u>Unit-4:</u> 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)
- Multi-storey steel building assembly with stanchion, beams and metal deck flooring.

<u>Unit 6</u>: Modular co-ordination and Industrialized building construction, Planning and construction details.

1. Precast floor and roof construction along with the following systems developed by

DRA Fiborand roof construction using partially brecast planks and ligist. ACULTY

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

- 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 Manua Birkhauser Basel 2012.

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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

- 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

SubjectCode		3201549(SS)	
TeachingScheme		ExaminationScheme	
TotalContact Periodsperweek (lectures=1, Studio=3)	04	Sessional(Internal) Sessional(External) Viva (Internal) Viva (External) In-semester exam	25 25 nil nil
Stadio-3)		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, Market

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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 1wherein 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 Lasndscpae 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.

3. ALvaca, C. Site Planning Cambridge: The MITH Pess, 1962. 13. Ashaheer M, Wahi Dia, 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.
- 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.
- 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.
- 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.
- Dines, N and Harris, C, Timesavers Standards for Landscape Architecture, McGraw Hill Education, 1998.
- 19. 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.



Subject Code		3201550 (SS) 3201551(F	PP)
Teaching Scheme		Examination Scheme	
		Sessional (Internal)	25
Total Contact		Sessional (External)	25
Periods per week 4	4	Viva (Internal)	nil
(Lectures = 2		Viva (External)	nil
Studio = 2)		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:

Fir fighting: Active and passive criteria as norms, recommendations, components, and specifications of construction and materials used for fire-fighting system in a building

Comprehensive architectural design for both fire fighting and acoustics

Teaching Plan:

Unit I: Fire Fighting I

- Fire triangle, Causes and spread of fire in buildings, fire resistance
- Active control systems of fire: fixed and portable fire fighting equipments

Unit II: Fire Fighting II

Passive control of fire: fire safety codes, rules and regulations 2.1.

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

- Reverberation time calculation and recommendations for acoustical treatment 5.1.
- 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. Kundsen, V.O. & Harris, C.M. Acoustical designing in Architecture. John Wiley. 1950
- 7. Egan, M. David. Architectural Acoustics. McGraw-Hill, NY.1988
- Mehta, Madan, Johnson, J., Rocafort, J. Architectural Priciples and Design. Prentise_Hall, NJ. 1999
- 9. National Building Code of India

CONTEMPORARY ARCI	HITECTURE SEMINAR		
Subject Code	3201552 (SS)		
Teaching Scheme	Examination Scheme		
Total Contact Periods per week Region Studio 3	Sessional (Internal) Sessional (External) Viva (Internal) In-semester exam	25 25 25 20 20 20 20 20 20 20 20 20 20 20 20 20	F FACULTY
	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.



DESIGN VII			
Subject Code		4201554 (SV)	
Teaching Scheme	100	Examination Scheme	
Total Contact Periods per week= 12	40	Sessional (Internal) Sessional (External) Viva (Internal) Viva (External)	100 100 25 25
(lectures=3, Studio=9)	12	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
- Adusing Product, Project being part of the City, Context, Green Injuntives, Efficient Planning of Services Minimum Area 00 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 TECH	INOLOG	Y AND SERVICES I	
Subject Code		4201555 (SV)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week= 07 (lectures=3, Studio=4)	07	Sessional (Internal) Sessional (External) Viva (Internal) Viva (External) In-semester exam	75 75 25 25 nil
		End Semester exam	nil
		Total Marks	200
		Total Credits	5



- 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:

- 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:

Handbook of Professional Documents 1)

- Council of Architecture publication

2)	The Architects Act, 1972		 Govt. of India publication 				
DR	Professional Practice Diplomatic Professional Practice in India Architectural Practice and Proced	EOR	A By Roshan H. Namavan By Matihay G. Deobhakta	FI	FACI	JLT	1
3)	Architectural Fractice and Proced	ure	- by vasain .S. Apie			-	

URBAN STUDIES-I			
Subject Code		4201557 (SS)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=2)	03	Sessional (Internal) Sessional (External) Viva (Internal) In-semester exam	25 25 nil 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:
 - Subdivision of land for residential development (approx area 4Ha) –Individual submission (20 marks)
 - 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 Disrtibuters, 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.

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

Subject Code		4201558 (SS)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (lectures=1, Studio=2)	3	Sessional (Internal) Sessional (External) Viva (Internal) Viva (External) In-semester exam	25 25 - - nil
	1	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



Subject Code		4201560 (PP)	
Teaching Scheme		Examination Scheme	
Total Contact Periods per week (Lectures = 1	3	Sessional (Internal) Sessional (External) Viva (Internal) Viva (External)	
Studio = 2)		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 Definition, need & importance of Specification writing \(\)

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
- 4.2Formwork

REFERENCE BOOKS

- 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

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Subject Code	4201562(SV)		
Teaching Scheme	Examination Scheme		
Total Contact Periods per week= 12 (lectures=3, Studio=9)	Sessional (Internal) Sessional (External) Viva (Internal) Viva (External)	100 100 25 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, DRAIDFFACULTY

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

 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.).

Professional Practice 3)

4) Professional Practice in India

Architectural Practice and Procedure 5)

- By Roshan H. Namavati

- By Madhav G. Deobhakta

02

- By Vasant .S. Apte

SubjectCode		4201565 (SS)	
TeachingScheme		ExaminationScheme	
TotalContact Periodsperweek	02	Sessional(Internal) Sessional(External) Viva (Internal) Viva (External)	25 25 nil nil
(lectures=1, Studio=2)	03	In-semester exam End Semester exam	nil
		TotalMarks	50

COURSE OBJECTIVES:

To introduce the students to the process of planning and urban development and associated legislation.

Total Credits

To introduce the students to urban economics.

COURSE OUTLINE:

Study of planning process in detail (Survey, analysis, proposals and development)

Conservation and related Wiban-Design controls Blanning and Urban Design registation 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.
- - 1. Reading of Urban fabric: Study of existing town and town planning proposals for municipal council level town-(group work) (20 marks)
 - 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

Spreriegen, 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

Subject Code Teaching Scheme		4201566 (SS)	
		Examination Scheme	
Total Contact Periods per week		Sessional (Internal) Sessional (External) Viva (Internal) Viva (External)	25 25 -
(lectures=1, Studio=2)	3	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:

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.

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 Contacts and Estimates.
- Dr. Roshan Namavati. Profe ssional Practice.
- · Rangawala. Estimating Costing and Valuation.

Specification Writin	ıg II			
Subject Code Teaching Scheme		4201568 (PP) Examination Scheme		
Studio = 2)		In-Semester exam End-Semester exam Total Marks	30 70 100	
		TOTAL MAINS	100	

DRAFT SYLLABUS FÖR APPROVAL OF FACULTY

- 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
- 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) Examination Schem OF FACULTY Viva (Internal) **Total Contact** NIL Viva (External) Periods per week= 2 2 (lectures=1, In-semester exam nil Studio=1) End Semester exam nil 50 Total Marks **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



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) Sessional (External) Viva (Internal) Viva (External)	75 75 25 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

DRAGE India SYLLABUS FOR APPRODVALUOF FACILITATION WIN

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.





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

DRAFT SYLLABUS FOR APPROVAL OF FACULTY

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

SubjectCode TeachingScheme		5201571 (SV) ExaminationScheme		
				TotalContact Periodsperweek=20
(lectures=4, Studio=16)	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.

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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.







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1.3.3

Percentage of students undertaking project work/field work/internship (data for latest completed academic year)

AY 2020-2021

C) Experience Certificate of Fifth Year B.
Arch Students in Practical Training course
(5201570)





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1.3.3

Percentage of students undertaking project work/field work/internship (data for latest completed academic year)

AY 2020-2021

D) List of topics of Fifth Year B. Arch Students in Architectural Design Project course (5201571)





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Criteria 1.3.3

Experiential Learning: In the Academic Year 2020-21, Students of 5th Year Architecture completed Practical Training [5201570(SV)].

The Students List as follows

Sr No	Student Name	Architect Firm	Location
1	Pagar Sakshee	Ar Sanjay Pabari and Associates	Nashik
2	Hire Namrata	Randive Architects (Ar. Suruchi Randive)	Nashik
3	Patel Dharmik	Origin Architects (Ar. Nitin J Kute)	Nashik
4	Malpani Shrirang	Kabre consultants	Nashik
5	Chadha Jasleen Kaur	Morphosis Architects	Nashik
6	Amrutkar Vinod	Ar. Rajiv Patil	Nashik
7	Ahire Swapnil	V- Square (Ar. Vivek Vibhute)	Nashik
8	Dashpute Akash	ISM Architects	Nashik
9	Kasliwal saloni	Morphosis Architects	Nashik
10	Pardeshi Sahil	Chaware & Associates	Nashik
11	Bhamare Monika	Palekar Architects	Nashik
12	Patil Pooja	Palekar Architects	Nashik
13	Dhawale Priyanka	OPUS Design Studio (Ar. Pankaj Patil)	Nashik
14	Pingale Yash	Ar. Rahul Srikhande Associates	Mumbai
15	Kamble Swati	Ravi Amrutkar and Associates	Nashik
16	Shewale Amuruta	RBA (Rakesh Bachhav Associates)	Nashik
17	Choudhary Himani	Dhirty Hands	Thane
18	Bhosale Sayee	Ar. Sanjay Patil, Environ Planners	Nasik
19	Koshire Arya	Ravi Amrutkar & Associates	Nashik
20	Ghadge Darshan	E-Design Architects	Nashik
21	Bhosale Aditya	DFG Architects	Nashik
22	Khivsara Ruchi	Ar. Nilesh Kataria	Nashik
23	Thakker Kejal	Ar. Hemant Bhavsar	Nashik
24	Pande Rushiraj	Nikhil Dhadiwal Architects	Nashik



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25	Selvam Chinmai	AECOM Pvt. Ltd (Ar. Jayakumar)	Andaman
26	Saranjame Kaustubh	Ar.Amol Chaudhari	Nashik
27	Jain Snehada	Hemant Dugad Architects	Nashik
28	Ugaonkar Kasturi	Rupali & Vivek Jaykhedkar Architects	Nashik
29	Shewale Triveni	Aavishkar architects, AR. Sanjay Bachhav	Nashik
30	Mekhe Snigdha	Deore Dhamne Architects	Nashik
31	Lalwani Sonali	ISM Architects (Cause Studio)	Nashik
32	Kale Rutuja	Ajinkyatara Consultants	NASHIK
33	Bhutada Vaishnavi	Kabre Consultants	Nashik
34	Soni Vishwal	Palekar Architects	Nashik
35	Dapse Vijaya	Ravi Amrutkar & Associates	Nashik
36	Chandiwal Astha	Ar. Prakash Gujrathi	Jalgaon
37	Ghumare Akansha	Rohan Deore Architects	Nashik
38	Kawade Pratiksha	Neev Designs	Nashik
39	Kulkarni Shreya	Disha Architects	Nashik
40	Chungade Shefali	Associated Architects and Engineers	Nashik
41	Dandgavhal Gayatri	Ar. Hemant Bhavsar	Nashik
42	Dengale Rasika	Ar. Pavan Patil	Nashik
43	Pise Maithili	Associated Architects and Engineers	Nashik
44	Bachhav Aparna	Disha Architects	nashik
45	Kapote Shraddha	Neev Designs	Nashik
46	Thakare Neha	Ar. Nakul Bhavsar	Nashik
47	Sanap Aarati	Ar. Pavan Patil.	Nashik
48	Ahire Shweta	Ar. Rajiv Patil	Nashik
49	Wade Prachi	Ar. Jitesh Kansara, The forum of Architecture and Planners Studio	Nashik
50	Patil Nehal	Ar. Nnirnay Chaudhari	Jalgaon
51	Boraste Neela	Ar. Gaurav Deore	Nashik
52	Boraste Rutuja	Ar. Vijay Patil	nashik
53	Kulthe Gauri	Caves Studio Architects	Nashik
54	Gite Kalyani	Synectics Architects	Nashik
55	Patil Tejashri	Ravi Amrutkar & Associates	Nashik





MVPS's College of Architecture

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

56	More Bhakti	V- Square (Ar. Vivek Vibhute)	Nashik
57	Raiya Ronak	Kalpak Architects	Nashik
58	Vairagar Ashish	Ar. Jitesh Kansara , The Fourm of Architecture and Planner Studio	Nashik
59	Benke Karan	Ar. Rajiv Patil	Nashik
60	Pawar Ankita	Ar. Jayawant Pawar	Nashik
61	Darekar Shrutika	Ar. Jayawant Pawar	Nashik
62	Tolani Twinkle	Pinnacle Interiors LLC	Dubai
63	Shreerang Patil	Ar. Rajiv Patil	Nashiķ
64	Miyaji Murtaza	Sankhala Associates	Nashik
65	Shinde Manjit	Neev Designs	Nashik
66	Sonawane Tejas	Morphosis Architects	Nashik
67	Chourasia Vedant	Ar. Sanjeev Y. Patil & Associates	Nashik



CERTIFICATE

(To whom so ever it may concern)

This is to certify that Mr. / Mrs. / Miss. SAKSHEE SANARAM PAMAR

Final Year B.Arch. student of MVPS's College of Architecture, Nashik (Academic Year 2020-21) has worked in our architectural firm / organization as a trainee from 1516120 to 30140120 which forms a part of academic curriculum (Practical Training) at Final Year B.Arch. During this period the details of the work done by the trainee-student is furnished in this Work – Diary & his/her work is found satisfactory / unsatisfactory.

SIGNATURE

NAME

Ar Standay Palari

(0) Palari

Stamp / Seal of the Firm / Organisation

ARCHITECT'S REGD. NO. OF COUNCIL OF ARCHITECTURE.

EMPLOYER FIRM / ORGANISATION

NAME & ADDRESS:

Ar Sangay Pabani & Associates Summati Colony, Nashik, Naharashtra 422005

ATTESTED

PRINCIPAL Maratha Vidya Prasarak Samaj s COLLEGE OF ARCHITECTURE

Nashik

ASHISH RANADIVE SURUCHI RANADIVE

ARCHITECTS & INTERIOR DESIGNERS

1. Rugved B, Bhabha Nagar, Opp. Wasan Ford, Mumbai Naka, Nashik - 11. Tel. (O) 2501 769 Mob.: 9822324409, 9822704409 Email: ashish_ranadive@yahoo.co.in suruchiranadive@gmail.com

EXPERIENCE CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Miss Namrata Hiray was working with our organisation from 8/06/2020+ill 15/11/2020 for her internship.

We found her sincere, honest and hard washing the showed good skills in dasigning, 30 modelling 2 presentation.

We wish her a bright future and best wishes for a bright career ahead

Yours Sincerely

Ashim handive Suruchi Ranadive GA/92/14761 - GA/95/19956 Architect & Interior Designer 1. Rugred-B. Bhabha Nagar, Mumbai Naka, Nashik-422 011

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's

COLLEGE OF ARCHITECTURE

Nashik

ORIGIN architects

1/12/2020 Nashilk

To
The Principal
MVP SAMAJ's College of Architecture
Nashik.

This is to state that Mr. Dharmik Patel was working with us during the period of his professional training starting from June 26, 2020 to October 24, 2020.

We are pleased to mention that he has been sincere, hardworking and diligent. In spite of the present pandemic situation he expressed enthusiasm in whatever work assigned to him and completed the task to the best of his ability.

Our best wishes are always with him.

Ar. Nitin J. Kute Ar. Apeksha N.Kute

For ORIGIN ARCHITECTS

archite

arc

Note: Though the joining date was mentioned as July 1, 2020 Mr. Dharmik Patel commenced

his internship on June 26, 2020

Vinte

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE

Nashik

Adimai 55 ,navashya ganapati sector 'b' , gangapur road ,nashik 422 013 , maharashtra,India Office : + 91 0253 2340828,2340956 e-mail- originarchitects@gmail.com



CERTIFICATE

Date: 19/12/2020

This is to certify that Shrirang R Malpani has been with our organization as trainee from 3rd June 2020 to 4th December 2020. He has handled Residential, Commercial, Landscape & Bungalow projects. He has been completing the assigned work successfully and in expected time. In training time due to situation of Lockdown he also done work from home very successfully. In difficult time of lockdown he worked very hard & also learned lot of things in life. Further he is a very sincere, honest and hardworking person.

We give the best wishes for the future career.

Ar.Sagar A. Kabre. Reg.No. CA/2000/25830 Kabre Consultants, Nashik

KABRE CONSULTANTS

Architects Interior Designers S 5/6, Sahyadri House, MICO Circle, Trimbak Road, Nashik-2. Ph.:0253-2319077

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik

Date - 15/10/2020

CERTIFICATE OF EXPERIENCE

We are a team of architects working under the firm Morphosis Architects. Our firm has residential, commercial and institutional projects to its credit. Our work has been published in several architectural magazines. A team of five to six Architects and trainees work under my guidance. Recruitments in our firm are based on the academic performance and design skills of the candidate.

JASLEEN KAUR TEJENDER SINGH CHADHA has been a part of our team as an intern from 11TH May to 15TH Oct 2020 for a period of six months. She has been working on various projects in this period. Her scope of work included design, site visit, working drawings and details.

During her tenure, I found her to be sincere. Her zests for learning and positive attitude towards work are worth accounting.

MORPHOSIS ARCHITECTS

AR. ASCAM KADRI

AR. TARANNUM KADRI

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Nashik

CERTIFICATE

(To whom so ever it may concern)

This is to certify that Mr. / Mrs. / Miss. ViOod Sofish Amtu4kor

Final Year B.Arch. student of MVPS's College of Architecture, Nashik (Academic Year 2121-22) has worked in our architectural firm / organization as a trainee from 15-7-20 to 5-9-20. which forms a part of academic curriculum (Practical Training) at Final Year B.Arch.. During this period the details of the work done by the trainee-student is furnished in this Work - Diary & his/her work is found satisfactory / unsatisfactory.

SIGNATURE	
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NAME

Ar Rajiv potil

Stamp / Seal of the Firm / Organisation

ARCHITECT'S REGD. NO. OF COUNCIL OF ARCHITECTURE.

CA 12016177 889

EMPLOYER FIRM / ORGANISATION

NAME & ADDRESS:

Ft no 3. Rabul aportment, Nr. Thomas Cook,

ABB circle, Mahatma nagar, Nashik-7.

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's

COLLEGE OF ARCHITECTURE

Nashik

RAJIV PATIL ARCHITECT AND PARTNERS

ARCHITECT, INTERIOR AND LANDSCAPE DESIGNER.

Mail-Rajiv004433@gmail.com Rahul app. Mahatma Nager.422007.Nashik. Mo-7776004433.



Ref-845445586JH Date-10-JUNE-2021

To, The Principal, N.D.M.V.P. Samaj's College of Architecture, NASHIK.

Sub: Training Certificate for Mr. Vinod S. Amrutkar (Training period – 15 July to 5 September 2020)

OBSERVATION:

Vinod S. Amrutkar always actively involved in all office activity and applies himself to best to best of his abilities. His period of internship with this office has been satisfactory and carries our best wishes.

Details of the project handled during this period.

- 1. HOSPITAL AT MALEGAON
- 2. RESIDENCE AT MALEGAON
- 3. RESIDENCE AT OZAR
- 4. RESORT AT NASHIK
- 5. RESIDENCE AT TRIMBAK
- 6. APARTMENT AT DHULE

Nature of work done by trainee (project wise)

Work- Hospital Design, Residence Design, Model Making, Resort Design, Municipal Work, Apartment Design, Ceiling Design, 3d Modeling, Presentation.

For RAJIV PARTLARCHITECTS.

RAJIV PARTLARCHITECTS.

RAJIV PARTL

CIA 2016

77889

Ar. Rajiv Patil.

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik



Ar.VIVEK A.VIBHUTE

REG.NO.CA/2012/54861

ARCHITECTURAL, LANDSCAPE CONSULTANT AND INTERIOR DESIGNER

"P L APARTMENT", RACCA COLONY, NASHIK – 422001. TEL: 9850754845 email: arch.vivekvibhute@gmail.com

CERTIFICATE

TO WHOMESOEVER IT MAY CONCERN

This is to certify that MR.SWAPNIL AHIRE, (Vth Year Student Of Architecture) from N.D.M.V.P. SAMAJA'S COLLAGE OF ARCHITECTURE, NASHIK was working in our office for his "Professional Practice" for 90 days i.e. From 15th June to 15st October 2020.

He has good knowledge of AUTO-CAD, Google Sketch-up, and Lumion. During this Period he was found sincere and hardworking. He has good temperament in understanding concepts and is good at developing project from concept to working detail.

During his tenure, he was found good natured and persistent in his efforts which will help in his future.

We wish him all the very best in future progress.

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE Nashik

Place: Nashik.

Date : 02/11/2020

CERTIFICATE OF TRAINING

Date: 01th OCTOBER 2020

To,

Whomsoever it may concern,

This is to certify that, Mr. Akash Dashpute fifth year student of MVP college of Architecture, Nashik was working with us as a trainee architect for a period of 4 months (June 2020 to September 2020) for his practical training. He has successfully completed his training with us.

His areas of responsibility included site visits, working drawings, detailed drawings, architectural renderings, presentation drawings. He has been working on projects like

Navlakha bungalow Kochi Urban design project Igatpuri farmhouse scheme Residential Interiors Farmhouse Landscape

He has completed his tenure with sincerity and efforts. His performance was very good throughout his time at ISM architects. We wish him best for all his future endeavours.

Thank You.

Yours Faithfully,

Regards

Nandan Malani

ISM architects

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Nashik



ASLAM, S. KADRI

TARANNUM, A. KADRI

Date - 15/10/2020

CERTIFICATE OF EXPERIENCE

We are a team of architects working under the firm Morphosis Architects. Our firm has residential, commercial and institutional projects to its credit. Our work has been published in several architectural magazines. A team of five to six Architects and trainees work under my guidance. Recruitments in our firm are based on the academic performance and design skills of the candidate.

SALONI SATISH KASLIWAL has been a part of our team as an intern from 13TH May to 15TH Oct 2020 for a period of six months. She has been working on various projects in this period. Her scope of work included design, site visit, working drawings and details.

During her tenure, I found her to be sincere. Her zests for learning and positive attitude towards work are worth accounting.

MORPHOSIS ARCHITECTS

AR. ASLAM KADR

AR. TARANNUM KADRI

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik



Chaware & Associates

Architects, Urban Designers Environmental Consultants Town Planners, Arbitrators & Valuers

Ref: JF/admin/L-2/2020 Date: 09/11/2020

To,
The Principal,
N.D.M.V.P.S College of Architecture,
Nashik.

Madam,

This is to inform you that MR. PARDESHI SAHIL MILIND student of Fifth Year Architecture, (Sem –IX) From N.D.M.V.P.S College of Architecture, Nashik; Worked in our office as a Trainee For Professional Practice for 120 working days from 01st June 2020 to 31st Oct 2020, on the basis of recommendation from your college.

During the period of his internship with us, he was found punctual, enthusiastic, hardworking and inquisitive. He was always passionate about the work assigned to him and used to complete the task as scheduled.

I wish him every success in his professional life.

Thanking you.

Ar.KaldeepB.Chaware

B.Arch

M.Arch (Urban Design)

M.Sc. (Environment & Sustainable Development), London

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Nashik

CERTIFICATE

(To whom so ever it may concern)

This is to certify that Mr. / Mrs. / Miss	BHAMARE	MOHIKA	VASAHT.
Final Year B.Arch. student of MVPS's College	e of Architecture,	Nashik (Academic Yea	r 2020-21) has
worked in our architectural firm / organizati			
which forms a part of academic curriculum	(Practical Training	ng) at Final Year B.Arc	h During this
period the details of the work done by the	e trainee-student	is furnished in this W	/ork - Diary &
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	NAME	Nikwil C	. Palekai
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EMPLOYER FIRM TORBANISATION			
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PRINCIPAL
Maratha Vidya Prasatak Samaj s
COLLEGE OF ARCHITECTURE
Nashik

DISOZA COLOHY, COLLAGE ROAD HASHIK-5

CERTIFICATE

(To whom so ever it may concern)

This is to certify that Mr. /Mrs. / Miss. PATIL POOJ	A DILIP.
Final Year B.Arch. student of MVPS's College of Architecture, Nashi	ik (Academic Year 2121-22) has
worked in our architectural firm / organization as a trainee from _	8th June to 25th sept 2020
which forms a part of academic curriculum (Practical Training) at	Final Year B.Arch During this
period the details of the work done by the trainee-student is fur	nished in this Work – Diary &
his/her work is found satisfactory / unsatisfactory.	

C. PALEKY	
Reg. No. CA/2007/	18
₹ CA/2007/ 40929	9
PRCHITECT	

SIGNATURE

NAME

Nikhil C. Palekae

Stamp / Seal of the Firm / Organisation

ARCHITECT'S REGD. NO. OF COUNCIL OF ARCHITECTURE.

EMPLOYER FIRM / ORGANISATION

NAME & ADDRESS:

HIKHIL C. PALEKAR.

19, LAHDMARK APT, OPP. DOMINO'S PIZZA, D'SOZA COLOHY, COLLAGE ROAD HASHIK- 5.

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Nashik

OPUS Design Studio

ARCHITECTURE

INTERIOR

LANDSCAPE

Address: Flat No. 1, Samartha Apartment, Near New Takle Jewellers,

Savarkar Nagar, Nashik - 422013.

Email: opusdesignstudios@gmail.com

Call: +91 9970472218

Ar. Pankaj S. Patil

Reg. No.: CA / 2011 / 53107

Date - 30 / 11 / 2020

To Whomsoever It May Concern

Subject: Internship Experience Letter

/ Madam

I Ar. Pankaj Patil hereby inform that Ms. Priyanka Dhawale, final year student of N.D.M.V.P.'s College Of Architecture at Nashik. was working at our firm as an intern from 1st June, 2020 till 4th November, 2020.

During this period she handled multiple projects of different typologies. From preparing brief to completing set of working drawings, from attending client meetings to site visits, Priyanka Exelled the expectations in every manner. She was ry inquisitive, sincere and hard working.

Her association with us was very fruitful and we wish her all the best for her future endeavors

Thanking you

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Nashik

Ar. Pankaj S. Patil

Principal Architect

OPUS Design Studio

Reg. No.: CA / 2011 / 53107

CERTIFICATE

(To whom so ever it may concern)

his is to certify that Mr. / Mrs. / Miss	Yash Pingle	
inal Year B.Arch. student of MVPS's Colle	ege of Architectur	e, Nashik (Academic Year 2121-22) has
orked in our architectural firm / organiza	ation as a trainee	from 1/06/2020 to 30/09/2020
hich forms a part of academic curriculu	ım (Practical Trair	ning) at Final Year B.Arch During this
eriod the details of the work done by t	the trainee-studer	nt is furnished in this Work – Diary &
is/her work is found satisfactory / unsatisf	factory.	
Ar. Rahul Shrikhande	SIGNATURE	Leikhule.
roa Mariar Official Age		Ar. Rahul Shrikhande
Proprietor	NAME	
Stamp / Seal of the Firm / Organisation ARCHITECT'S REGD. NO. OF COUNCIL OF A	RCHITECTURE.	CA/2015/72591
EMPLOYER FIRM / ORGANISATION		
NAME & ADDRESS:		
. ARCHITECT RAHUL SHRIKHA	NDE AND ASSO	CIATES
201, Shreeyash apartment, abo hotel, Badlapur East Thane 421		near Ambika
		N 1

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik

ATTESTED

RAVI AMRUTKAR ASSOCIATES

architecture | interiors | landscape

Experience Letter

To whome so ever it may concern

This is to certify that **Kamble Swati Sameer** was been working with our organization as an Intern from 15th July 2020 to 9th Nov 2020

During this tenure she has undertaken various tasks in management and has successfully completed them to the best of her abilities. Her conduct has been excellent during this tenure.

We wish her good luck for her future assignments.

Date: 27/04/2021 Place: Nashik

Regards,

Ravi Amrutkar Associates Ar.Saurabh Ravi Amrutkar

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Nashik

+91-9766444333 contact@raviamrutkarassociates.com yeolekar mala,collegeroad,nashik-422005 architecture + Interiors + design project management consultants government approved valuer telefax : +91 253 2319111 m: +91 9850900200



CERTIFICATE

Date: 05 Dec 2020

This is to certify that Miss. Amruta D. Shewale has been with our organisation as trainee from 3rd June 2020 to 4th December 2020. She has handled Residential bungalows, Commercial, Industrial & Landscape projects. She has worked on Interiors projects also.

She has been completing the assigned work successfully and in expected time in training time due to situation of lockdown. She also done work from home very successfully in difficult time of lockdown, she worked very hard & also learned lot of things in life. Further she is a very sincere, honest and hardworking person.

We give the best wishes for the future career.

CA/2005/ 36547

For rba,

Ar. Rakesh K. Bachhay

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Nashik

1 | Page

DHIRTY HANDS

ARCHITECTURAL DESIGN • NATURAL BUILDING • CONSULTATION

Phone: 9930621376/9503525939 Email: dhirtyhands@gmail.com C1/61/12, Near Shreerang Vidyalay, Shreerang Society, Thane (W) 400601



Hands Homes Happiness

Date: 30/04/2020

EXPERIENCE CERTIFICATE

To Whomsoever It May Concern,

It is with great pleasure, we would like to certify that HIMANI CHOUDHARY has worked with our firm, DHIRTY HANDS, as a Trainee Architect from 24th September, 2020 to 31st January, 2021.

In this duration she has worked on various residential projects. Her works include,

- Architectural Design & Planning & preparation of architectural Drawings &details;
 Preparation of Working drawings for residential project at Sinnar, MH & Wada, MH;
- Preparation of Municipal Drawings for Plan Approval for a residential project at Shive, Pune, MH.
- · Visualisation works for a residential project at Bangalore.

She was also a part of the team that organised a hands-on Natural Plasters workshop at our residential project at Wada, MH; a hands-on Natural Paints & Lime Washes workshop at Goregaon, and an online workshop on Natural Paints conducted in January, 2021

She is an industrious & a determined person, who is both sincere and passionate about her work.

It was a pleasure to have her on board as a trainee architect. She is sensitised towards ecology & social aspects of living and has a great potential of becoming an architect who is not just a good designer but more over a wonderful human being.

We wish her the best for her future endeavours.

Anushree Tendolkar

Architect | Co-founder,

DHIRTY HANDS

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik





Ar Sanjay M Patil ENMRON PLANNERS www.environplanners.com

29/30 Purnawad Off Gangapur Road Tel:+91-253 Tel:+91-253 e.mail:
Nagar, Akashwani Nashik 422013 India 2580164 2311387 ervironplanners1980@gmail.com

30 November 2020

CERTIFICATE

This is to certify that Ms. Bhosale Sayee student of NDMVP's College Of Architecture & Centre for Design, Nashik has been working in our office as a trainee from 8th June 2020 to 7th November 2020 (92 Working Days).

She has successfully completed her internship at Environ Planners, Nashik. Having worked on various projects she has covered subjects like design development, working drawings, architectural details, 3D modelling and presentation drawings.

We found her hard-working, eager to learn and wish her bright success in her future goals and professional life.

Ar. Sanjay M. Patil for, ENVIRON PLANNERS

REGD. NO. CA/82/6813 CO ARCHIVE

PRINCIPAL
Maratha Vidya Prosarak Samojis
COLLEGE OF ARCHITECTURE
Rashix

RAVI AMRUTKAR ASSOCIATES

architecture linteriors | landscape

Experience Letter

To whome so ever it may concern

. This is to certify that Aarya Sharad Koshire was been working with our rganization as an Intern from 15th July 2020 to 9th Nov 2020 During this tenure she has undertaken various tasks in management and has successfully completed them to the best of her abilities .Her conduct has been excellent during this tenure. We wish her good luck for her future assignments.

Date: 27/04/2021 Place: Nashik

> Regards, Ravi Amrutkar Associates

Ar.Saurabh Ravi Amrutkar

ATTESTED

PRINCIPAL Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

+91 99752 01552
visit us at: www.edesignarchitects.com
email: pravin@edesignarchitects.com

Ar. Pravin Lomate

address: 03, Moon housing society, opposite Nashik fire brigade, old gurudwara road, shingada talaw, Nashik-422001.





architects | interiors | landscape | architectural essentials

Date: Nov. 30th ,2020.

EXPERIENCE CERTIFICATE

To: WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Darshan Ghadge from MVP Samaj college of Architecture and centre for design, Nashik was working as a trainee with our firm "E-design architects" from 01/06/2020 to 30/11/2020.

He worked on various architectural and interior projects within this limited period.

He is very sincere and hardworking; we wish him a bright future ahead.

With Kind Regards

For e-design

Ar. Pravin Lomate.

ATTESTED

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE

Nashik

Email = dfg.architecture@gmail.com

CERTIFICATE OF EXPERIENCE

TO WHOM IT MAY CONCERN

Date- 26 / 9/ 2020

This is to certify that Mr. Aditya Bhosale studying in N.D.M.V.P.College of Architecture, Nashik. has been part of our team as a trainee from 25 / 5 /2020 to 26 / 9 / 2020 for 107 days.

He has been working on various projects in this period. His scope of work includes design, planning, site administratuin, working drawings and details.

During his tenure we found to be sincere, enthusiastic about his work. His zests for learning and positive attitude towards are worth accounting. He understands the given brief thoroughly prior to applying his thoughts. His performence to our firm has been very good.

We are glad to have him as part of our design team, and wish him success for his future.

Regards,

Ar. Chandrashekhar c., patil

putil.

#5Archit regency opp nav Rachna high school, Savarkar nagar , off Gangapurroad, Nashik , pin 422013

ATTESTEL

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Nashik

Nilesh Kataria

M. Arch. (Architectural Conservation)

Malabar hill Apartments, off Canada Corner, Nashik – 422 005
 Tel. (0253) 2311679 / 9890798608
 Email: nmk17873@gmail.com

Nov 10, 2020

This letter is to confirm that Ms. Ruchi Khivasara student of NDMVPS college of Architecture Nashik had worked as architectural Intern with our organization since 15th June 2020 till 11th Nov 2020.

During her tenure with my firm, I found her to be sincere & hardworking.

Since her appointment, Ruchi has been a very dedicated individual who had continuous quest for learning and implementing whatever comes her way.

She learnt designing as a holistic approach and planning with context. She handled assignments like designing of individual residences, designing and working drawings of various building elements, working drawings of upgradation of various Rural Hospitals, etc.

In her 120 days of working, she learnt to work in team and contribute for team.

I wish her success in her ambitions & for her future endeavor.



Nilesh Kataria

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik

Date: - 1st Jan 2021.

To whomsoever it may concern

This is to Certify that Miss. KEJAL VIREN THAKKAR. (5th year) student of N.D.M.V.P. Collage of Architecture, Nashik. was working in my office as an intern (Professional Practice) from 21st June 2020 to 31st Dec. 2020. (Six Months)

I found her hard working, very sincere and possess good material knowledge and have very good planning / visualisation skills.

I wish her very best of luck and my best wishes for her future......

Ar. HEMANT BHAVSAR

Ar. HEMANT BHAVSAR CA/01/28667

ARCHITECT HEMANT BHAVSAR.
7, Suvarna kalash, 'B' Road Comer,
Behind Mahatma Nagar Water Tank,
NASHIK - 422007 (Mobi-094222 71929)

PRINCIPAL
Maratha Vioya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik

CERTIFICATE

(To whom so ever it may concern)

This is to certify that Mr. / Mrs. / Miss. Pandle Rulhing Pauxon Final Year B.Arch. student of MVPS's College of Architecture, Nashik (Academic Year 2121-22) has worked in our architectural firm / organization as a trainee from 01 05 20 to 14 08 2020 which forms a part of academic curriculum (Practical Training) at Final Year B.Arch.. During this period the details of the work done by the trainee-student is furnished in this Work - Diary & his/her work is found satisfactory / unsatisfactory. Janeera M

SIGNATURE

NAME

AR.RAVEENA NIKHIL DHADIWAL

REGD.ARCHITECH CA/2017/86125

AriRaveena Nikwi Dhadland

Stamp / Seal of the Firm / Organisation

ARCHITECT'S REGD. NO. OF COUNCIL OF ARCHITECTURE.

CA/2017/86125

EMPLOYER FIRM / ORGANISATION

NAME & ADDRESS:

Raveena 'N' Nikhil Bladiaal Associates.

91. No. 18. Frist Floor, Mahaneer Soc, Near Jain
Stanak, Nasik Road - 422101.

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE



REG.NO.CA/2012/54861

ARCHITECTURAL, LANDSCAPE CONSULTANT AND INTERIOR DESIGNER

"P L APARTMENT", RACCA COLONY, NASHIK – 422001. TEL: 9850754845 email: arch.vivekvibhute@gmail.com

CERTIFICATE

TO WHOMESOEVER IT MAY CONCERN

This is to certify that MISS.BHAKTI MORE, (Vth Year Student Of Architecture) from N.D.M.V.P. SAMAJA'S COLLAGE OF ARCHITECTURE, NASHIK was working in our office for his "Professional Practice" for 90 days i.e. From 08th June to 15st October 2020.

She has good knowledge of AUTO-CAD, Google Sketch-up. During this Period she was found sincere and hardworking. She has good temperament in understanding concepts and is good at developing project from concept to working detail.

During her tenure, she was found good natured and persistent in her efforts which will help in her future.

We wish her all the very best in future progress.

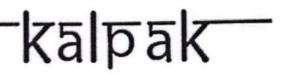
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PRINCIPAL atha Vidya Prasarak

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE CA/2012/54861 Ar. VIVEK VIBHUTE.

Place : Nashik.

Date : 02/11/2020



Ar. Anil Mehta I Ar. Mihir Mehta Kalpataru , Sharanpur road, opp police ground, Nasik. Tel.no. 9822064960 : 2578808

22nd December, 2020

TO WHOSOEVER CONCERNED

This is to certify that Mr. Ronak Raiya studying in N.D.M.V.P college of Architecture, Nasik, has worked with our firm from June 2020 to November 2020.

During his tenure, he has shown good enthusiasm to learn and progress. He has worked on various residential projects and has been found a co-operative team member and a keen listener.

It was pleasant having her in our office.

We wish her the best for her future endeavors.

Kalpak

Architects & Interior Designer

Kalpataru, Ground Floor, Sharanpur Road, Nashik - 422 002 India.

Your Sincerely, Nashik - 422 002 India. Tel.: 578808, 804483 Mobile: 9822028308

Ar. Mihir Mehta

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

CANDIDATURE

	VAIRAGAR ASHISH	KAVIHDRA
(In BLOCK letters beginning with	h Surname)	
Address of the Trainee	F. HO. 7 SAI MITYA	NAME APPRT
(For contact during Training)	ARTILARY CENT	REROAD
	MASHIK ROAD	42210
Tel./Fax/E-mail No. (if any)		
Fourth Year B.Arch. Exam.,	APRIL 2020	7
Oct / April 20	FINE	
Name of the College	HIDM UP'S COLLEGE	OF ARCHITECTURE
Postal address of the College	UDODI MARATH BOR	DING CAMPUS.
	GANGAPUR ROAD	. HASHIN
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Title of the Employer Organisati	on TRAINISE ARCH	dh
F	FOURM OF ARCHITE COURS	& PLANNER STUDIO
Nature of Business		
Name of the Certifying-Register Archtmember of the Employer	ed <u>A.R. JITESH</u> K Organisation	ANSAKA
Registration No.		ATTESTED
* (Professional Registration with	Indian Council of Architecture)	Papte
		PRINCIPAL Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE Nashik
	the state of the s	Nashik

(To whom so ever it may concern)

This is to certify that Mr. / Mrs. / Miss. All	
	Architecture, Nashik (Academic Year 2020-21) has
	is a trainee from $2/6/20$ to $21/9/20$
	actical Training) at Final Year B.Arch During this
period the details of the work done by the train	inee-student is furnished in this Work – Diary &
his/her work is found satisfactory / unsatisfactory	<i>i</i> .
	1111.
SI	IGNATURE
N	IAME
	AR. JAYWANT PAWAR
*	CA/98/22561
Stamp / Seal of the Firm / Organisation	
ARCHITECT'S REGD. NO. OF COUNCIL OF ARCHITE	ECTURE. <u>CA /98 / 22561</u>
EMPLOYER FIRM / ORGANISATION	
NAME & ADDRESS:	
AR. JAYWANIT N. PAW	AR
3, SANSKRITI MURKU	TE COLONY, NEW PANDIT
COLUMY, GANGAPUR	ROAD, NASHIK-2.

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik

RAJIV PATIL ARCHITECT AND PARTNERS

ARCHITECT, INTERIOR AND LANDSCAPE DESIGNER.
Mail-Rajiv004433@gmail.com
Rahul app. Mahatma Nager 422007 Nashik.
Mo-7776004433



Ref-89637546JH Date-01-MAY-2021

To, The Principal, N.D.M.V.P. Samaj's College of Architecture, NASHIK.

Sub: Training Certificate for Mr. Karan.V. Benke. (Training period - June to October 2020)

OBSERVATION:

Karan.V. Benke has worked in our firm, as a principal architect of the firm I have observed his to be creative and sincere Karan is hardworking and have great ability to visualize and grasp.

He has good knowledge of preparing architectural drawing in Auto-cad. He is very polite and well-mannered with client and office environment.

We found his hard-working, eager to learn and wish his bright success in his future goals and professional life

Details of the project handled during this period.

- 1. INTERIOR AT NASHIK, CLIENT- MR. SHINDE.
- 2. FARMHOUSE AT AKOLE CLIENT MR. GADAKH.
- 3. RESIDENCE AT MAKHAMALABAD, CLIENT- MR. KAKAD.
- 4. RESIDENCE AT MALEGOAN, CLIENT- MR. GAIKWAD.
- 5. FARMHOUSE AT DHANDHARI, CLIENT MR. DEORE.
- 6. HOSPITAL AT NASHIK.
- 7. RESIDENCE AT MALEGOAN, CLIENT-MR. LOYA.
- 8. FARMHOUSE AT PIMPALNER.
- 9. HOSPITAL AT MALEGOAN, CLIENT-MR. THAKARE.
- 10. RESORT GIRNARE, CLIENT- MR BORSE.
- 11. INTERIOR AT NASHIK, CLIENT-MR. DIVATE.
- 12. REDENTIAL APARTMENT AT NASHIK, CLIENT-MR. KULTHE

Nature of work done by trainee (project wise)

Work- Hospital Design, Residence Design, Model Making, Resort Design, Municipal Drawings, Apartment Design, technical drawings.

ANTO ATIL ARCHITECTS.

PRINCIPAL
Maratha Vidya Frasarak Samajis
COLLEGE OF ARCHITECTURE
Nashik

(To whom so ever it may concern)

This is to certify that Mr. / Mrs. / Miss. DAREKAR SHRUTIKA VIKAS

Final Year B.Arch. student of MVPS's College of Architecture, Nashik (Academic Year 2020-21) has worked in our architectural firm / organization as a trainee from 1 JUNE to 30 SEPTEM BER. which forms a part of academic curriculum (Practical Training) at Final Year B.Arch.. During this period the details of the work done by the trainee-student is furnished in this Work – Diary & his/her work is found satisfactory / unsatisfactory.

SIGNATURE

NAME

AR. JAYWANT PAWAR

CA/98/22561

Stamp / Seal of the Firm / Organisation

ARCHITECT'S REGD. NO. OF COUNCIL OF ARCHITECTURE.

CA/98/22561

EMPLOYER FIRM / ORGANISATION

NAME & ADDRESS:

AR . JAYWANT N. PAWAR

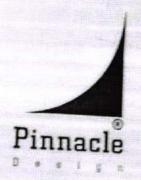
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GANGAPUR POAD, NASHIR-2

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE



. Pinnacle Design FZ-LLC

PI/ACCT/103/14122020/SJ Date: 14th December 2020

TO WHOM IT MAY CONCERN

Certificate of Experience

This is to certify that Miss Twinkle Tolani studying in N.D.M.V.P College of Architecture, Nashik had been working with our team as a trainee from 25th June 2020 to 05th November 2020 for 94 days.

She had been working on various projects during this period and her scope of work included conceptual design, space planning, and joinery related detailed drawings along with 3D renders.

During this tenure we found her to be sincere & enthusiastic about her work. She understood the given brief thoroughly prior to applying her thoughts. Her performance with our firm has been very good.

Wishing Her Success.

Regards,

For Pinnacle Design Fz LLC

Joseph Charles Managing Director DUBAI-UAE

ATTESTED PRINCIPAL Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE Vashik

Verified By Jesse Rey M. Alcon

where space takes shape ...

P.D. Box 47743, Debat UAE T 971 4 5667329 F 971 4 3466059 info@pinnacleinteriors ae www.pinnacleinteriors.ae

RAJIV PATIL ARCHITECT AND PARTNERS

ARCHITECT, INTERIOR AND LANDSCAPE DESIGNER.
Mail-Rajiv004433@gmail.com
Flat no. 03, Rahul app. Mahatma Nagar,
Nashik-422007
Mob-7776004433



Ref-Date-01-MAY -2021

To,
The Principal,
N.D.M.V.P. Samaj's College of Architecture,
NASHIK.

Sub: Training Certificate for Mr. Shreerang P. Patil (Training period - 01 June 2020 to 14 September 2020)

OBSERVATION:

Shreerang P. Patil always actively involved in all office activity and applies himself to best to best of his abilities. His period of internship with this office has been satisfactory and carries our best wishes.

Details of the project handled during this period.

- 1. HOSPITAL AT MALEGAON
- 2. HOSPITAL AT NASHIK
- 3. RESIDENCE AT OZAR
- 4. RESORT AT NASHIK
- 5. COMPLETION DRAWING FOR HOSPITAL
- 6. RESIDENCE AT TRIMBAK
- 7. APARTMENT AT DHULE
- 8. RESIDENCE INTERIOR AT MALEGAON
- 9. HOSPITAL AT MALEGAON

Nature of work done by trainee (project wise)

Work- Hospital Design, Residence Design, Model Making, Resort Design, Municipal Drawings, Apartment Design, Ceiling Design, 3d Modeling, Presentation.

Ar. Rajiv Patil,

PRINCIPAL
Maratha Vidya Prasarak Samars
COLLEGE OF ARCHITECTURE
Nashik

EXPERIENCE CERTIFICATE

This is to certify that Mr. Manjit Shinde has worked as an intern with Neev Designs Architecture and Design firm, under Ar. Rakhi T Takkle for a duration of 3 months starting from June 12, 2020. During the above period Maniit has carried out the design developments in various scale projects, depending on her understanding. The work that was given was carried out from home till August with meetings online and sparingly at office.

Initially, data collection, anthropometry collection and analysis projects were handled by him at office. along with the fellow staff was given exposure to various design programmes of various scale. Some of the projects that Manjit was handling are,

- 1. Entrance canopy- (Started up with Conceptual sketches, Zoning, Planning and Designing, Evaluation of Plans, Sections, and Elevation, Detail Flooring layouts with 3d views)
- 2. Commertial complex interior- (Collection of reference images, creating options according to reference images, detailing out the final option, Evaluating Plans, Section and Elevation.)
- Compound wall design- (Collection of reference images, creating options according to reference images, detailing out the final option, Evaluating Plans, Section and Elevation.)
- 4. 5Bhk bungalow- (Plan given was taken further and Detailed out, evaluating Elevations and Sections, Electrical layout and furniture layout with 3D Views)
- Furniture design- (Designing of bed, evaluating the details)
- ng the above period Mr. Manjit Shinde participated in performing the work with determination & sincerity. We observed he was active and very qualified person and he could perform all his assigned tasks effectively.

Besides in my opinion, he was motivated, professional, hardworking and innovative person. he contributed much to our organizational goals and targets. And his performance proved to be most effective in our organization.

We wish him a successful journey in his academics and his future aspirations to be successful professional.

Neev Designs

Ar. Rakhi P

NEFY DESIGNS Arch. nakhi Takle CA / 94/ 17471

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE



(Towhomsoeveritmayconcern)

5 N. 5 1 1 1 1		MR.MURTAZATAMEEM MIYAJI		
FinalYearB.Arch.studen	tofMVPS'sCollegeof	Architecture, Nashil	(AcademicYear2121–22	2)has
workedinourarchitectu	ralfirm/organization	asatraineefrom <u>02/0</u>	<u>6/2020</u> t	o <u>15/10/2020</u>
which formsag	partofacademiccurri	culum(PracticalTrai	ning)atFinalYearB.Arch	Duringthisperio
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satisfactory/ unsatisfac	tory.		FOR SANKHLA A	SSOCIATES
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Stamp/SealoftheFirm/0	Organisation			
ARCHITECT'S REGD.	NO.OFCOUNCILOFAR	CHITECTURE.		
EMPLOYER FIRM/O	PRGANISATION			
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PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik

(To whom so ever it may concern)

This is to certify that Mr. / Mrs. / Miss. TEJAS PRASHANT SONAWANE.

Final Year B.Arch. student of MVPS's College of Architecture, Nashik (Academic Year 2020-21) has worked in our architectural firm / organization as a trainee from 11-05-20 to 29-08-20 which forms a part of academic curriculum (Practical Training) at Final Year B.Arch.. During this period the details of the work done by the trainee-student is furnished in this Work - Diary & his/her work is found satisfactory / unsatisfactory.

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PRINCIPAL Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE



ARCHITECT SANJEEV Y. PATIL & ASSOCIATES

ARCHITECTS

PLANNERS.

INTERIOR DESIGNERS

GOVT APPROVED VALUERS

AR, SANJEEV Y. PATIL BARCH (Mumbal), ME (Civil) T&C P

FILA ALTP FLV

OFFICE: AMEYA SANKUL - A, SHOP NO. - 14, SHARANPUR LINK ROAD, RAMDAS COLONY, CANADA CORNER,

NASHIK-422 005, INDIA, Mobile: +91-9422245524

Phone: (off) - 0253-2575577, Email: architectsanjeevpatil@gmail.com, ar.syp@rediffmail.com

Ref.No.21/02/L/02

Date:-18/02/2021

(To whom so ever it may concern)

CERTIFICATE

This is to certify that Mr. Vedant Sanjay Chourasia has worked in my office as an intern from 2nd June 2020 to 31st September 2020 During this period I found him to be a sincere, honest person. We wish him all success & good luck for his future endeavors

AR. SANJEEV Y. PATIL

Architect , Planner

Interior Designer & Govt. Approved Valuer

Reg. No :- CA/84/8597, F.I.V .:- 13297

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Nashik

Branch Office: A 7/104, "Kunal Icon", Near Jagtap Dairy, Pimple Saudagar, Pune - 411 027 (India) Mob.: +91 9422245524



Aecom India Private Ltd 9/F, Infinity Tower- C DLF Cyber City - Phase-II Gurgaon, Haryana India 122002 CIN: U74210HR2008FTC038183 +91 124 4830100 tel +91 124 4830108 fax

CERTIFICATE
(To whom so ever it may concern)

This is to certify that Mr. Chinmai Selvam Final Year B.Arch. student of MVPS's College of Architecture, Nashik (Academic Year 2020-21) has worked in our Company as a trainee from 21st September 2020 to 24th January 2021 with 108 working days which forms a part of academic curriculum (Practical Training) in Final Year B.Arch. During this period, the trainee-student has been given task of 2D Drawing Improvisations, site inspection and 3D visualization.

PRINCI

Dated: 05/02/2021

ARCHITECT'S REGD. NO.

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

(To whom so ever it may concern)

This is to certify that Mr. / Mrs. / Miss.	KAUSTUBH SAR	ANJAME
Final Year B.Arch. student of MVPS's Co	ollege of Architecture,	Nashik (Academic Year 2121-22) ha
worked in our architectural firm / orga	nization as a trainee f	rom 01/06/20 to 14/09/20
which forms a part of academic curric	ulum (Practical Traini	ng) at Final Year B.Arch During thi
period the details of the work done b	y the trainee-student	is furnished in this Work – Diary 8
his/her work is found satisfactory / unsa	tisfactory.	
	SIGNATURE	Rancrail
	NAME	AMOL CHAUDHARI
Stamp / Seal of the Firm / Organisation ARCHITECT'S REGD. NO. OF COUNCIL O	F ARCHITECTURE.	CA/2005/366965
AMOL CHAUDHARI ASSOCIATES EMPLOYER FIRM / ORGANISATION		
NAME & ADDRESS:		
CANADA CORNER, NASHIK	: .	

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik

hemant dugad (architects
Architect & Interior Designers

Date: 30.01.2021

To whomsoever it may concern

This is to certify that Ms. Snehada Sanat Jain has been working with our organization as a Trainee. She started her tenure with us from June 11, 2020 to January 30, 2021.

Her major duties included working on design modifications & alterations, preparing working drawings and attending client meetings. She has worked on residences, apartments, villas and group housing.

She is very hardworking and diligent individual. She is very precise with every detailed aspect of her work. She is a very patient and humble individual. She is a real team player as she works very well in a group and respects her seniors and colleagues.

Yours truly,

HEMANT DUGAD

ARCHITECTS & INTERIOR DESIGNER

LIC NO. CA/92/15189

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Nashik



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0253- 2575518 0253- 2570017



To,

DATE - 30/04/2021

Whom so ever it may concern.

Subject: Work experience certificate.

This is to certify that **Miss Kasturi Abhay Ugaonkar**, Final Year B.Arch. student of MVP's College of Architecture, Nashik (Academic year 2020-21) has worked in our architectural firm as a trainee from 1st June 2020 to 15th October 2020 which forms a part of academic curriculum (Practical Training) at Final Year B.Arch. During this the trainee-student was working on Architectural presentations, working drawings, designs, details, 3D model and views.

Stamp / Seal of the Firm

Ar. Rupali Jaykhedkar Architects, Interior Designers & Valuers

ARCHITECT'S REGD.NO OF COUNCIL OF ARCHITECTURE - CA/95/18873

ATTESTED

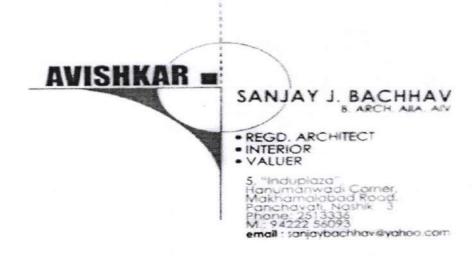
PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Nashik

ARCHITECT, VALUERS & INTERIOR DESIGNERS

46/B, Shivprasad, Pandit colony, Lane No.2, Nashik-422002, M.S. India Tel. : +91 253 2575130 / 2571330 Cell : 9822049038 email : jaykhedkar@gmail.com / rvjnasik@gmail.com, Website : www.jaykhedkar.com



This is to certify that miss TRIVENI RAJENDRA

SHEWALE.

Final Year B.Arch student of MVP'S college of Architecture Nasik (Academic year 2021-22) has worked in our architectural firm as a trainee from 15 June 2020 to 15 October which forms a part of curriculum (practical training) at final year B-Arch..

During this period the details of the work done by the trainee student is furnished in this work- Dairy & her work is found satisfactory

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

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· Saniay Bachhay - Archives No. CA/9478349



DEORE DHAMNE ARCHITECTS

ARCHITECTURAL, PROJECT MANAGEMENT, BOT & INTERIOR CONSULTANT / GOVT. APPROVED VALUERS, 'NIRMAN NIKETAN', VISE MALA, COLLEGE ROAD, NASHIK - 422 005 IELEFAX: +91 253 2576061 / 2577532. e-mail: dooredhamne@gmail.com = web: www.dd-architects.com

Ar. C.N.DHAMNE REG. NO. CA77/4062, CAT I 282 OF 1988

Ar. CHINMAY DHAMNE REG NO. CA/2005/36274.

Ref.: DDA/PP/22020 Date: 10/10/2020

TO WHOM SO EVER IT MAY CONCERN

This is to certify that MISS SNIGDHA SANDIP MEKHE was working in our office from 18th MAY 2020 to 10th OCTOBER 2020 for professional practice of N.D.M.V.P. SAMAJ'S COLLEGE OF ARCHITECTURE, NASHIK.

SNIGDHA SANDIP MEKHE was well-disciplined trainee with good approach to her work. The jobs carried out by her were entirely to the satisfaction of all concerned. We wish her all the best in her future life.

Ar. CHINMAY DHAMNE

PARTNER

DEORE DHAMNE ARCHITECTS

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

CERTIFICATE OF TRAINING

Date: 01th OCTOBER 2020

To,

Whomsoever it may concern,

This is to certify that, Ms. Sonali Lalwani fifth year student of MVP college of Architecture, Nashik was working with us as a trainee architect for a period of 4 months (June 2020 to September 2020) for his practical training. She has successfully completed his training with us.

Her areas of responsibility included working drawings, detailed drawings, presentation drawings. She has been working on projects like

Navlakha bungalow Kochi Urban design project Residential Interiors Farmhouse Landscape

Shee has completed her tenure with sincerity and efforts. Her performance was very good throughout her time at ISM architects. We wish her best for all her future endeavours.

Thank You.

Yours Faithfully,

Regards

Nandan Malani

ISM architects

ATTESTED

PRINCIPA

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE



Ajinkyatara Consultants architects & engineers



Er. Yogesh Kasar Patil B.E.(Civi), M.L.E., F.I.V., Chartered Engineer, M.A. (History & Archaeology)

Ar. Smita Kasar Patil M. Arch., A.I.I.A., I.G. B. C. A. P. A.I.V., M.A. (History & Archaeology) No./AT/03/2021-22

Date: 30/04/2021

CERTIFICATE

To Whomsoever Concern

This is to certify that Miss Rutuja Dattatray Kale, Final Year B. Arch. Student of MVPS's College of Architecture, Nashik of Academic Year 2020 - 2021 has worked in our Architectural firm as trainee from 08/06/2020 to 06/11/2020 which forms a part of Academic curriculum (Practical Training) at Final Year B. Arch. The detail of the work done by the trainee- student during this period is furnished in this Work - Dair. The Student- Trainnee's work is found to be satisfactory

Stamp / Seal of Firm / Organisation

Signature

Name:

Ar. Smita Kasarpatil

Architect's Regd. No. of Council of Architecture CA/2002/30432

Employer Firm / Organisation

Name & Adress

'Ajinkyatara Consultants', 15, Poornam Center Point, Kanherewadi, C.B.S. Nashik 422 001.

Q 15, Poornam Center Point, Kanherewadi, Nashik - 422 001.

2 +91 253 2509271 Q 094 222 55 730,094 231 75 199

ajinkyataraconsultunts@gmail.com

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

(To whom so ever it may concern)

This is to certify that Nr. / Mrs. / Miss. <u>Putuja Dottatary Łale</u>
Final Year B.Arch. student of MVPS's College of Architecture, Nashik (Academic Year 2121-22) has worked in our architectural firm / organization as a trainee from <u>8 | 6 | 2020</u> to <u>6 | 11 | 2020</u> which forms a part of academic curriculum (Practical Training) at Final Year B.Arch.. During this period the details of the work done by the trainee-student is furnished in this Work – Diary & his/her work is found satisfactory / unsatisfactory.

	SIGNATURE	South	
Anthodas E	NAME	Ar · Smita	Kungypat? 1
Stamp / Seal of the Firm / Organisation			
ARCHITECT'S REGD. NO. OF COUNCIL OF A	ARCHITECTURE.		

EMPLOYER FIRM / ORGANISATION

NAME & ADDRESS:

Ajinkywtaru Consultunts, 15, Poornum Centre point, Kanherewadi, C.B.S., Nashik - 422001

ATTESTED

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik



Date:11.12.2020

This is to certify that **Vaishnavi K. Bhutada** has been with our organization as trainee from 8thJune 2020 to 23rd November 2020. She has handled Residential, Mixed used, Interior & Bungalow projects. She has been completing the assigned work successfully and in expected time. In training time due to situation of Lockdown she also done work from home very successfully. Further she is a very sincere, honest and hardworking person.

We give the best wishes for the future career.

Ar. Sagar A. Kabre.

Architects Sagar Arun Kabre Reg. No. CA/2000/25830

KABRE CONSULTANTS

Architects Interior Designers S 5/6, Sahyadri House, MICO Circle, Trimbak Road, Nashik-2. Ph.:0253-2319077 PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik

(To whom so ever it may concern)

This is to certify that Mr. / Mrs. / Miss. SON: VISHWAL PHARMCHAND.

Final Year B.Arch. student of MVPS's College of Architecture, Nashik (Academic Year 2121-22) has worked in our architectural firm / organization as a trainee from Study to 25th Oct. 2020. which forms a part of academic curriculum (Practical Training) at Final Year B.Arch.. During this period the details of the work done by the trainee-student is furnished in this Work - Diary & his/her work is found satisfactory / unsatisfactory.

O ALEKAP O PL	SIGNATURE	(Nla	lesc	ae.	. 1
Reg. No. CAN2007 AND AND	NAME	Ni	KWI	C.	Pal	eka
Stamp / Seal of the Firm / Organisation						_
ARCHITECT'S REGD. NO. OF COUNCIL OF ARCH	IITECTURE.					_

EMPLOYER FIRM / ORGANISATION

NAME & ADDRESS:

14, LAHDMARK APT., OPD. DOMIHOUS
PIZZA, D'SOZA COLOHY, COLLAGE ROAD NASHIK 5.

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARABIT

RAVI AMRUTKAR ASSOCIATES

architecture | interiors | landscape

Experience Letter

To whome so ever it may concern

This is to certify that Dapse Vijaya Shekhar was been working with our organization as an Intern from 15th July 2020 to 9th Nov 2020 During this tenure she has undertaken various tasks in management and has successfully completed them to the best of her abilities. Her conduct has been excellent during this tenure.

We wish her good luck for her future assignments.

Date: 27/04/2021 Place: Nashik

Regards,

Ravi Amrutkar Associates Ar.Saurabh Ravi Amrutkar

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE Nashik

(To whom so ever it may concern)

This is to certify that Mf. / Mys. / Miss	ASTHA	PIYUSH	CHANDIWAL
Final Year B.Arch. student of MVPS's Coll			Academic Year 2020-21) has
worked in our architectural firm / organi	zation as a tra	inee from 27	17/2020 to 19/11/2020
which forms a part of academic curricular			
period the details of the work done by	the trainee-s	tudent is furnis	shed in this Work – Diary &
his/her work is found satisfactory / unsati	isfactory.		
			(And)
BAKAOL	SIGNAT	URE	7
PRAKASH M. GUJARATHI ARCHITECT & INTERIOR DESIGNER	NAME		
1, I anmayee Appt R T O Office			
Near Central Bank of India, Aadarsh Nagar, JALGAON			
Stamp / Seal of the Firm / Organisation			
ARCHITECT'S REGD. NO. OF COUNCIL OF	ARCHITECTUR	E. (.)	A/86/10376
EMPLOYER FIRM / ORGANISATION			
Emi 20 / En / min/ , one missimen			
NAME & ADDRESS:			
0			
Prakash. M. Gujrathi			
1, Janmayee Appt, R.T.	O Office	Near (en	tral Bank of India,
- Adarsh Nagar, Jalgaon	• •		0
Than ish Ivagas, Julgaon	-		

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik



28TH DEC 2020 SA/GEN/38

TO WHOM SOEVER IT MAY CONCERN

This is to certify that Miss. Akansha R. Ghumare has completed her Architectural internship from of 18TH may 2020. to 27^h september 2020. During this period she worked on presentation drawings, town planning approval drawings, working drawings, also made various study models and 3D views.

We wish her all the best for both her academic and personal future.

Ar. Rohan S. Deore .

Enclosure:-List of projects.

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik

ROHAN S. DEORE SWASTIKARCH

During her internship period she worked on the following projects:-

- 1. Presentation for Flat interior project.
- Farmhouse project.
- 3. Presentation for Systel school.
- 4. Presentation for Warehouse project
- Presentation for Agri Industries Layout plan.
- 6. Preparation of model.
- 7. Presentation for interior layout work
- 8. Town planning approval drawings

Ar. Rohan S. Deore.

ATTESTED

PRINCIPAL Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

EXPERIENCE CERTIFICATE

This is to certify that Ms. Pratiksha Kawade has worked as an intern with NeevDesigns Architecture and Design firm under Ar Rakhi T Takkle for a duration of 3 months starting from 15 June 2020. During the above period Pratiksha has carried out the design developments in various scale, depending on her understanding. The work that was given was carried out from home till August with meetings online and sparingly at office.

Initially, data collection, anthropometry collection and analysis projects were handled by her at office. She along with the fellow staff was given exposure to various design programmes of various scales. Some of the projects that Pratiksha has handled are,

- 1. Weekend homes- (Started up with Case Studies, Zoning, Planning and Designing, Evaluation of Plans, Sections, and Elevation, Detail planning with Electrical layout, Furniture layout and Flooring layout and 3d views)
- 2. 2BHK Interior (Detailing out the final option, Evaluating Plans, and details)
- 3 Compound wall design (Collection of reference images, creating options according to reference images, Detailing out the final option, Evaluating Plans, Section and Elevation.)
- 4. 5Bhk bungalow (Various plans were given, one option was taken further and detailed out, evaluating Elevations and Sections, Electrical layout and furniture layout with 3D Views)
- 5. Furniture design (Designing of Book Racks and Wardrobe, evaluating the details)

During the above period Pratiksha participated in performing the work with determination and sincerity. We observed she was active and enthusiastic and could perform all her assigned tasks effectively.

Besides in my opinion, she was motivated, professional, hardworking and innovative person. She contributed much to our organizational goals and targets.

We wish her a successful journey in her academics and her future aspirations to be a successful professional.

NeevDesigns.

Ar Rakhi T Takkle

PRINCIPAL Maratha Vidya Prasarak Samaj's

COLLEGE OF ARCHITECTURE





Ar. Shital S. Sakhala

ARCHITECT CUM PMC

KSHITIJ APT, BEHIND KAKATKAR
HOSPITAL TILAKWADI, NASHIK-2
Ph No 0253-2581647, Mob 9922265554
email arsakhalass@gmail.com
disha_architects@gmail.com

 disha_architects@gmail.com

 disha_architects@gmail.com

Subject: Experience Letter

Date

This is to certify that Miss. SHREYA P. KULKARNI from MVP SAMAJ,S COLLAGE OF ARCHITECTURE, NASHIK was employed as an architectural intern in our firm from 11th May 2020 to 13 Sept. 2020 on full time basis (Partly from home partly from office due to pandemic situations). At the time of joining, she was designated as an Intern.

During the Internship period she has closely worked as a part of our architectural team and has made valuable contributions. We found her sincere, punctual, hardworking and result oriented. She has done several architectural drawings on auto cad and sketch up of Residential and Commercial projects.

The work on various projects he did in the office are as follows :-

- Measurement drawings
- Working drawings
- Elevation design and treatment
- Presentation drawings
- Toilet Details
- Kitchen Details
- Electrical Layout
- Furniture layout etc.
- 3D sketch up views

To best of my knowledge and belief she is sincere, honest and braves good moral character, we wish her all success in his future life.

Your's sincerely,

Ar. Shital Sakhala,

Disha Architects, Nashik.

ARCHITECT SHITAL S. SAKHALA (CA/95/19187) #1, KSHITIJ APARTMENT, BACK KAKATKAR HOSPITAL, TILAKWADI, NASHIK-422 002 ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

SUPRIYA NATHE

PRASHANT NATHE M Arch ((Environmental) ATTA - FTV



ASSOCIATED ARCHITECTS & ENGINEERS

39, KARMAYOGI NAGAR, RAJMATA JUAU MARG. NASHIK - 422 OO8 'Ø (0253) 2472767 Mobile 9822077967, 9822876119 E-mail prnatrie@gmail.com • supriya nathe@gmail.com Website www.arnatrie.com

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that MISS. SHEFALI CHUNGADE, (Vth. Year Student of Architecture) from N.D.M.V.P. SAMAJ'S COLLEGE OF ARCHITECTURE, Nashik was working in our Office for her "Professional Practice" for Five months i.e. from 19TH May, 2020 to 31ST October, 2020.

She has good knowledge of AUTO-CAD, Google Sketch-up. During this period she was found sincere and hardworking. She has good temperament in understanding concepts and is good at developing project from concept to working detail.

During her tenure, she was found good natured and persistent in her efforts which will help in her future.

We wish her all the best in future progress.

for M/S. ASSOCIATED ARCHITECTS & ENGINEERS

Ille

(AR. PRASHANT NATHE)

Reg. Architect Reg. No. CA/93/15666

Date: 02ND November, 2020.

Place: Nashik.

ATTESTED

A WILLIER

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Date: - 1st Jan 2021.

To whomsoever it may concern

This is to Certify that Miss. GAYATRI RAMRAO DANDAGAVHAL. (5th year) student of N.D.M.V.P. Collage of Architecture, Nashik. was working in my office as an intern (Professional Practice) from 21st June 2020 to 31st Dec. 2020. (Six Months)

I found her hard working, very sincere and possess good material knowledge and have very good planning / visualisation skills.

I wish her very best of luck and my best wishes for her future.....

Ar. HEMANT BHAVSAR Ar. HEMANT BHAVSAR

CA/01/28667

ARCHITECT HEMANT BHAVSAR. 7, Suvarna kalash, 'B' Road Corner, Behind Mahatma Nagar Water Tank, · NASHIK - 422007 (Mob:-094222 71929)

Maratha Vidya Prasarak Samajis COLLEGE OF ARCHITECTURE

AR. JAGTAP PAVAN PRAKASH ARCHITECTS, INTERIORS AND LANDSCAPE DESIGNER

Date: 1st Oct. 2020

WHOMSOEVER IT MAY CONCERN

This is to certify that Rasika Sunil Dengle has completed her professional training programme from 8th June 2020 to 19th Sept. of 90 days under the guidance of our architectural firm. We appreciate her keen interest and sincerity towards work and her enthusiasm to understand new realms of design. As a trainee, her main task in firm was working on design development and interior drawing of various scale projects. During training she had ample of experience in various aspects of professional practice from design to execution on site level.

We wish her success for future endeavors.

Regards,

Jagtap Pavan Prakash

Architect

Q CAZOOSI AS ZACHITECT

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

SUPRIYA NATHE B.Arch . Ali A . Ali D

PRASHANT NATHE M Acch. (Environmental) ALLA FIV



ASSOCIATED ARCHITECTS & ENGINEERS

39, KARMAYOGI NAGAR, RAJMATA JUAU MARG. NASHIK - 422 008 @ (0253) 2472767 Mobile 9822077967, 9822876119 E-mail prnathe@gmail.com • supriya.nathe@gmail.com Website www.arnathe.com

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

is to certify that MISS. MAITHILI MILIND PISE, (V'th. Year Student of Architecture) from N.D.M.V.P. SAMAJ'S COLLEGE OF ARCHITECTURE, Nashik was working in our Office for her "Professional Practice" for Five months i.e. from 18TH May, 2020 to 31ST October, 2020.

She has good knowledge of AUTO-CAD, Google Sketch-up. During this period she was found sincere and hardworking. She has good temperament in understanding concepts and is good at developing project from concept to working detail.

During her tenure, she was found good natured and persistent in her efforts which will help in her future.

We wish her all the best in future progress.

for M/S. ASSOCIATED ARCHITECTS & ENGINEERS

(AR. PRASHANT NATHE)

Reg. Architect Reg. No. CA/93/15666

Date: 02ND November, 2020.

Place: Nashik.

PRINCIPAL Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE



Ar. Shital S. Sakhala

ARCHITECT CUM PMC INTERIOR & LANDSCAPE DESIGNER

> KSHITIJ APT, BEHIND KAKATKAR HOSPITAL, TILAKWADI, NASHIK-2 Ph No: 0253-2581647, Mob: 9922265554 email arsakhalass@gmail.com disha_architects@gmail.com

Subject: Experience Letter

Date

This is to certify that Miss. APARNA B. BACHHAV from MVP SAMAJ,S COLLAGE OF ARCHITECTURE, NASHIK was employed as an architectural intern in our firm from 11th May 2020 to 13 Sept. 2020 on full time basis (Partly from home partly from office due to pandemic situations). At the time of joining, she was designated as an Intern.

During the Internship period she has closely worked as a part of our architectural team and has made valuable contributions. We found her sincere, punctual, hardworking and result oriented. She has done several architectural drawings on auto cad and sketch up of Residential and Commercial projects.

The work on various projects he did in the office are as follows :-

- · Measurement drawings
- Working drawings
- Elevation design and treatment
- · Presentation drawings
- Tollet Details
- Kitchen Details
- Electrical Layout
- Furniture layout etc.
- 3D sketch up views

To best of my knowledge and belief she is sincere, honest and braves good moral character, we wish her all success in his future life.

Your's sincerely,

Ar. Shital Sakhala,

Disha Architects, Nashik.

ARCHITECT SHITAL S. SAKHALA (CA/95/19187) #1, KSHITIJ APARTMENT, BACK KAKATKAR HOSPITAL, TILAKWADI, NASHIK-422 002 ATTESTED

PRINCIPAL Maratha Vidya Prasarak Samai's COLLEGE OF ARCHITECTURE

EXPERIENCE CERTIFICATE

This is to certify that Ms. Shraddha Kapote has worked as an intern with Neev Designs Architecture and Design ,under Ar Rakhi T Takkle for a duration of 3 monthsstartinf from 15 June 2020. During the above period Shraddha has carried out the design developments in various scale, depending on her understanding. The work that was given was carried out from home till August with meetings online and sparingly at office.

Initially, data collection, anthropometry collection and analysis projects were handled by her at office.

She ,along with the fellow staff was given exposure to various design programmes of various scales .Some of the projects that Shraddha has handled are,

- Weekend homes- (Started up with Case Studies, Zoning, Planning and Designing, Evaluation of Plans, Sections, and Elevation, Detail planning with Electrical layout, Furniture layout and Flooring layout and 3d views)
- 2. 2BHK Interior (Detailing out the final option, Evaluating Plans, Electrical Layout, Flooring Layout, Furniture layout)
- Compound wall design (Collection of reference images, creating options according to reference images, Detailing out the final option, Evaluating Plans, Section and Elevation.)
- 4. <u>5Bhk bungalow</u> (Various plans were given, one option was taken further and detailed out, evaluating Elevations and Sections, Electrical layout and furniture layout with 3D Views)
- 5. Campus zoning (Site Analysis, Case studies, Zoning of various blocks)

During the above period Shraddha participated in performing the work with determination & sincerity. We observed she was active and enthusiastic and could perform all her assigned tasks effectively. Besides in my opinion, she was motivated, professional, hardworking and innovative person. She contributed much to our organizational goals and targets.

We wish her a successful journey in her academics and her future aspirations to be a successful professional.

Neev Designs.

Ar Rakhi T Takkle

15/10/2020

SHRADDHA . KA

ATTESTED

PRINCIPAL aratha Vidy Presarak

COLLEGE OF ARCHITECTURE

nakul bhavsar architects

2 Shilesh Apartment, Near hotel Shri Krishna, D'Souza colony, College road, Nashik-422002 Ph.: 0253-6696490,9730477176,8087899501; email: nba.studio1@gmail.com

Date:-30/09/2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Miss. Neha Arun Thakare** from N.D.M.V.P College of Architecture, Nashik, has undergone professional training at our studio for a period of four month (June 2020 to September 2020). During this period, she has wor'd on preparation of working drawing, design development, presentation drawings, site visits, etc.

Neha Arun Thakare was sincere and committed with her willingness to learn.
She is comfortable working with computers and has the potential to do well with opportunities and guidance.

NAKUL D. BHAVSAR Registered Architect CA/2008/42225

Nakul Bhavsar Architects

ATTESTED

PRINCIPAL Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

AR. JAGTAP PAVAN PRAKASH ARCHITECTS, INTERIORS AND LANDSCAPE DESIGNER

Date: 1st Oct. 2020

WHOMSOEVER IT MAY CONCERN

This is to certify that Aarti Anil Sanap has completed her professional training programme from 1st June 2020 to 14th Sept. of 90 days under the guidance of our architectural firm. We appreciate her keen interest and sincerity towards work and her enthusiasm to understand new realms of design. As a trainee, her main task in firm was working on design development and interior drawing of various scale projects. During training she had ample of experience in various aspects of professional practice from design to execution on site level.

We wish her success for future endeavors.

10 am

Jagtap Pavan Prakash

Architect

Regards,

PRINCIPAL
Maratha Vidya Presarak Samaj s
COLLEGE OF ARCHITECTURE
Nashik

Flat No.- 4, Madhav Apartment, MICO Circle, Tidke Colony, Nashik- 422 005. Email Id.- arpavanpatil@gmail.com I Mobile No. - +91 98232 72440

RAJIV PATIL ARCHITECT AND PARTNERS

ARCHITECT, INTERIOR AND LANDSCAPE DESIGNER.
Mail-Rajiv004433@gmail.com
Rahul app. Mahatma Nager 422007 Nashik.
Mo-7776004433



Ref-89637546JH Date-01-MAY-2021

To, The Principal, N.D.M.V.P. Samaj's College of Architecture, NASHIK.

Sub: Training Certificate for Miss. Shweta y ahire. (Training period – June to October 2020)

OBSERVATION:

Shweta Y. Ahire has worked in our firm, as a principal architect of the firm I have observed her to be creative and sincere shweta is hardworking and have great ability to visualize and grasp.

Shweta has good knowledge of preparing architectural drawing in Auto-cad. She is very polite and well-mannered with client and office environment.

Details of the project handled during this period.

- 1. HOSPITAL AT MALEGAON
- 2. HOSPITAL AT NASHIK
- 3. RESIDENCE AT OZAR
- 4. RESORT AT NASHIK
- 5. RESIDENCE AT MALEGOAN
- 6. RESIDENCE AT TRIMBAK
- 7. APARTMENT AT DHULE
- 8. MEDITATION CENTER AT OZAR.

Nature of work done by trainee (project wise)

Work- Hospital Design, Residence Design, Model Making, Resort Design, Municipal Drawings, Apartment Design, technical drawings.

For RAJIV PATIL OF ARCHHER CTYCHARD AVOID A VIOLENT PATIL OF ARCHHER CTYCHARD ARCH CTYCHARD

PRINCIPAL
Maratha Vidya Prasarak Samars
COLLEGE OF ARCHITECTURE
Masarak

CANDIDATURE

Full Name of the Trainee (In BLOCK letters beginning with	Surname) PRACHI PRAISHAKAR
Address of the Trainee (For contact during Training)	Tirumala Agshiyana flat no. 102, Behind Seven heaven hotel, Mumbal Agra Road, Nashik.
Tel./Fax/E-mail No. (if any)	Prachiwade 5198@ gmail.com
Fourth Year B.Arch. Exam.,	
Oct / April 20	
Name of the College	NDMVP College of Architecture,
Postal address of the College	NDMVP College of Architecture, Nashila. Udhaji Maharay Boarding Campus,
Tel. No	Gangapur Rd. Nashik, MH. 422002 E-mail ID.
Sign	
Assistant Prof. GAURAV ARBOO	מו
'Practical Tanning Programme	~
Academic Year 2020 to 2021	
•	INING CENTRE
Title of the Employer Organisatio	nforum of Architecture and planness Studio
Nature of Business	
Name of the Certifying-Registere Archtmember of the Employer-	
Registration No.	
* (Professional Registration with	Indian Council of Architecture)
	Taple

PRINCIPAL
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik



Civil Engg • Builder & Developer

Nirnay A. Chaudhari Suchita N. Chaudhari

B.Arch. A.I.I.A. • Architect • Interior Designer

7, Ramkrushna Complex, 1, Dhake Colony, Jalgaon. 425001 Tel: 0257 - 2223105 Email: info@space09.co.in Website: www.space09.co.in

oct, 2020

CERTIFICATE OF COMPLETION

This certificate is awarded to miss, Nehal Dinesh Patil from space 9 architect and interior designer, Jalgaon, in appreciation of successful work as an architectural intern in our firm from 25th June 2020

We found her extremely inquisitive and hard working. During the internship she demonstrated good design skills with a self-motivated attitude to learn new things. Her performance exceeded expectations and was able to complete the projects successfully on time.

We wish her all the best for her future endeavors.

Sincerely

Ar. Suchita Chaudhari

Suchita N. Chaudhari B.Arch., A.I.I.A.

Regi No.CA/2005/36136 ARCHITECT-INTERIOR DESIGNER OFF.7, RAMKRISHNA COMPLEX.1. DHAKE COLONY, JALGAON-425001, PH. (0257) 2223105

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Nashik

CERTIFICATE (To whom so ever it may concern)

This is to certify that Mr. / Mrs. / Miss.	NEELA ANIL BO	ORASTE	
Final Year B.Arch. student of MVPS's Colle	ge of Architecture,	Nashik (Academic Year 2	121-22) has
worked in our architectural firm / organiza	ation as a trainee f	rom <u>16th June</u> to <u>0</u>	2 nd November
which forms a part of academic curriculus	m (Practical Trainin	g) at Final Year B.Arch. D	uring this perio
the details of the work done by the traine	e-student is furnis	hed in this Work – Diary	& his/her work i
found satisfactory / unsatisfactory.			
	SIGNATURE		
	NAME	GAURAV DEEPAK D	EORE
Stamp / Seal of the Firm / Organization	on		Mary
ARCHITECT'S REGD. NO. OF COUNCIL OF	ARCHITECTURE.	CA/2004/34110	
EMPLOYER FIRM /ORGANISATIO	DN.		
EMI EOTERT INM / OROANIOATIO			
NAME & ADDRESS:		9	
G.D.A – GAURAV DEORE ARCHITEC	CTS		×
Courtyard, Pramod Nagar, Akashwa	ani Tower Road, (Off. Gangapur Road,	
Nashik. 422013.			

PRINCIPAL Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE Nashik

architect interior landscape designer

AR. VINAYAK P. NIKAM

105 to fice. Shuttharambha act opp. huftarn parters Sharangar road Nasmik-52 met 0425 477975, ph.0253 2315423

Cretin 29" Appril 2021

To.

Whomsoever It May Concern.

SUB: Professional Training Experience Certificate

I hereby certify that Miss KULTHE GAURI GIRISH (Vth year Student of Architecture) from N.D.M.V.P SAMAJ'S COLLEGE OF ARCHITECTURE, Nashik had practice at "Caves Studio Architects" during college internship period of 180 days, from 13° JUN 2020 to 31" DEC 2020.

She has good knowledge of AUTO-CAD, Google Sketchup, Lumion, Photoshop.

She is found to be very sincere & very good in her work during her internship period.

At our office, she worked on various projects like residential, commercial and landscape.

She was involved in the project from design, preparing conceptual drawings, working drawing, services, detailed drawings, and 3d visualization up to the execution process. She had also done several site visits to our ongoing projects.

Rega No

I wish for the best future in her career.

Thanking You

Yours

Sincere

Caves ::: studiO Vinayak P Nikam

CA/05/35240

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Nashik

SYNECTICS

* ARCHITECTURE * INTERIOR * LANDSCAPE

CERTIFICATE OF EXPERIENCE

Date: 26/10/2020

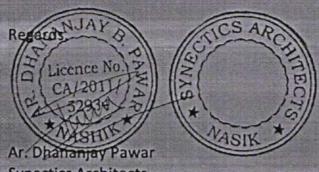
TO WHOM IT MAY CONCERN

This is to certify that Miss. Kalyani Gite studying in N.D.M.V.P. College Of Architecture, Nashik has been part of our team as a trainee from 18/05/2020 to 14/09/2020 for 90 days.

She has been working on various projects in this period. Her scope of work includes design, site administration, working drawings and details.

During her tenure we found to be sincere, enthusiastic about her work. Her zests for learning and positive attitude towards work are worth accounting. She understands the given brief thoroughly prior to applying her thoughts. Her performance to our firm has been very good.

We are glad to have her as part of our design team, and wish her success for her future.



Ar. Dhananjay Pawar Synectics Architects, Nashik.

PRINCIPAL
Maratha Vidya Praserak Samaj's
COLLEGE OF ARCHITECTURE
Nasiuk

RAVI AMRUTKAR ASSOCIATES

architecture | interiors | landscape

Experience Letter

To whome so ever it may concern

This is to certify that **Patil Tejashri Dadasaheb** was been working with our or anization as an Intern from 15th July 2020 to 9th Nov 2020 During this tenure she has undertaken various tasks in management and has successfully completed them to the best of her abilities. Her conduct has been excellent during this tenure.

We wish her good luck for her future assignments.

Date: 27/04/2021 Place: Nashik

Regards;

Ravi Amrutkar Associates Ar.Saurabh Ravi Amrutkar

ATTESTED

PRINCIPAL

Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

Nashik



MVPS's College of Architecture, Nashik

Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik

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

Criteria 1.3.3

Experiential Learning: In the Academic Year 2020-21, students of 5th Year completed and submitted following Architectural Design Project [Course Code 5201571(SV)].

Academic Year 2020-2021

Sr.No	Student Name	Topic	Guide
945	Ahire Shweta Yogesh	Reteraty for senior citizen – Redefining old age homes	Ar Umesh Hirve
946	Ahire Swapnil Madhukar	Wellness Centre – at Vaitarna	Ar Mukul Patil
947	Amrutkar Vinod Satish	Research and training Centre for sustainable built environment	Ar Umesh Hirve
948	Bachhav Aparna	Cultural Centre at Nashik	Ar Ashish Ranadive
949	Benke Kran Benke	Ecotourism hub at Bhandara – A. nagar	Ar Pravin Pgar
950	Bhamre Monika Vasant	Business hub at Pune	Ar Ashish Ranadive
951	Bhosale Sayee Deepak Jyoti	Residential school at Mahirawani , Nashik	Ar Pravin Pgar
952	Bhosale Aditya Sambhaji	Headquarters design for tesla Banglore	Ar Pravin Pgar
953	Bhutada VaishanaviKailas	Change in government school , Talwade Trimbakeshwar	Ar Mukul Patil
954	Boraste Neela Anil	Campus for orphans , Nashik	Ar Ashish Ranadive
955	Boraste Rutuja Rajendra	Agriculture hub at Lasalgaon	Ar Pravin Pgar
956	Chadhha Jasleen kaur Tejender singh	Surfacing from the shadows – Mental Health Rehabilitation Center	Ar Mukul Patil
957	Chandiwal AshthaPiyush	Post Retirement Village at Nashik	Ar Umesh Hirve
958	Choudhary HimaniPrassana	Catalyst for Building Resilience – case of recurring rehabilitation at Barvi dam project Affected Community	Ar Umesh Hirve
959	Chaourasia VedantSanjay	Resort at Mukne dam (Nashik)	Ar Umesh Hirve
960	Chungade Shefali Jagdish singh	Learning Centre for Visually Impaired	Ar Pravin Pgar
961	Dandgavhal GayatriRamrao	R-Humanizing Health Care Centre , Nashik	Ar Ashish Ranadive
962	Dapase Vijaya Shekhar	Wellness retreat , Nashik	Ar Umesh Hirve





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963	Darekar Shrutika Vikas	Avian retreat and tourist Centre , Goa	Ar Umesh Hirve
964	Dashpute Akash Nitin	Five Star Hotel	Ar Ashish Ranadive
965	Dengle Rasika Sunil	Community Development Center for Tribals , kharekhuran , Palghar	Ar Ashish Ranadive
966	Dhawale Priyanka Arvind	Multi Uses Sports Complex , Nashik	Ar Mukul Patil
967	Ghadge Darshan Devidas	Center for nature and wild life conservation	Ar Mukul Patil
968	Ghumare Akanksha Ramnath	Science Center , Nashik	Ar Pravin Pgar
969	Gite Kalyani Anil	Onco Recreation Center , Nashik	Ar Pravin Pgar
970	Hire Namrata Dnyandev	Conservation of fort and propose urban interventions, Suvarndurg , Dapoli	Ar Mukul Patil
971	Jain Snehda Sanat	Spaces for sacred experience at Saptashrungi gad , Vani	Ar Umesh Hirve
972	Kale Rutuja Dattatrya	Youth skill development and training centre at Dugaon , Nashik	Ar Pravin Pgar
973	Kamble Swati Sameer	Heritage Interpretation center	Dr Prajakta Baste
974	Kapote Shradhha Rajendra	Eco resort at igatpuri , Nashik	Ar Ashish Ranadive
975	Kasliwal Saloni Satish	Dementia care campus : a walkdown memory lane	Ar Ashish Ranadive
976	Kawade Pratiksha Balasaheb	Urban haat –permanent exhibition centre for artisians of Maharashtra	Ar Umesh Hirve
977	Khivansara Ruchi Ishwar	Film and architecture	Ar Mukul Patil
978	Koshire Aarya Sharad	Multimodals Transit Hub	Ar Mukul Patil
979	Kulkarni Shreya Parag	Corporate Office at Nashik	Ar Deep Bhagwat
980	Kulthe Gauri Girish	Institute and development Centre for street children , Nashik	Dr Prajakta Baste
981	Lalwani Sonali Shamlal	Nature therapy garden at Toranmal	Ar Rohan Deore
982	Malpani Shreerang Radheya	Cultural Hub	Ar. DEEP BNAGWAT
983	Mekhe Snighda Sandip	De addiction Centre	Dr Prajakta Baste
984	Miyaji Murtaza Tamim	Botanical research institute and learning center	Ar Nitin Patel
985	More Bhakti Vilas	Residential school in Nashik	Ar. NITIN PATEL
986	Pagar Sakshee Sangram	Eco resort	Ar Rohan Deore
987	Pande Rushiraj Pavan	Convention centre , Nashik	Ar Deep Bhagwat





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988	Pardeshi Sahil Milind	Youth community centre , Pune	Ar Deep Bhagwat
989	Patel Dharmik Jayesh	Convention and Conference centre for medical associates , Nagpur	Ar Deep Bhagwat
990	Patil Nehal Ninesh	School for Alternative Education	Ar Deep Bhagwat
991	Patil Pooja Dilip	International business convention centre at Sangamwadi , Pune	Ar Nitin Patel
992	Patil Shreerang Pravin	Rain museum research and training centre for water conservation and management	Ar Deep Bhagwat
993	Patil Tejashri Dadasaheb	Museum for contemporary Art at Nashik	Dr Prajakta Baste
994	Patil Ankita Sanjeev	Resort , Goa	Dr Prajakta Baste
995	Pingle Yash Pradeep	School (Non Residential) Nashik	Ar Rohan Deore
996	Pise Maithili Milind	Urbal interactive hub on water Front at Chandsi , Nashik	Ar Rohan Deore
997	Raiya Ronak Kamplesh	Rehabilitation farm for Schizophernea	Ar Nitin Patel
998	Sanap Arti Anil	Weavers village at Kerala	Ar Rohan Deore
999	Saranjame Kaustubh Shripad	The new religious testaments at Delhi	Ar Deep Bhagwat
1000	Selvam Chinmai	Skill development Centre , Nashik	Dr Prajakta Baste
1001	Shewale Amruta Darshan	Wild life museum , Nashik	Dr Prajakta Baste
1002	Shewale Triveni Rajendra	Naturopathy medical hub at Igatpuri	Ar Nitin Patel
1003	Shinde Manjit Jagdish	Heritage resort adaptive reuse Vijaydurga	Dr Prajakta Baste
1004	Sonawane Tejas Prashant	Open prison at Dahegaon , Nashik	Ar Deep Bhagwat
1005	Soni vishwal Dharamchand	Co- working spaces at BKC , Mumbai	Dr Prajakta Baste
1006	Thakre Neha Aarun	Heritage resort in Jaipur	Ar Nitin Patel
1007	Thakker Kejal Vviren	Arts and crafts hub , Nashik , (for arts , crafts and handicrafts of states under MSSIDC)	Ar Rohan Deore
1008	Tolani Twinkle Damodar	Juvenile correctional centre , Navi Mumbai	Ar Rohan Deore
1009	Vairagar Ashish Ravindra	Redining the meaning of cemetery , Kottayam (Kerala)	Ar Nitin Patel
1010	Wade Prachi Prabhakar	College of architecture and design , Nashik	Ar Rohan Deore





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1.3.3

Percentage of students undertaking project work/field work/internship (data for latest completed academic year)

AY 2020-2021

E) Reports of the courses that include project work/ field work/ Internship





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1.3.3

Percentage of students undertaking project work/field work/internship (data for latest completed academic year)

AY 2020-2021

First Year B. Arch Courses

project work/field work/internship

Reports of courses	
Course Code	Course Title
1201501 [SV] [2019 Pattern]	Basic Design
1201907 [SS] [2019 Pattern]	Communication Skills
1201908 [SS] [2019 Pattern]	Workshop I
1201915[SS] [2019 Pattern]	Fundamentals of Architecture
1201918 [2019 Pattern]	Audit Course II





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Name of Program: Bachelor of Architecture

Name of Course: Basic Design

Title of Assignment: Abstraction

Teaching methodology Adopted: Experiential Learning

Name of the faculty: Prof. Sheetal Chougule, Proh. Ankita Pathare, Prof. Umesh

Hirawe, Prof. Ketaki Manolkar

Academic Year: 2020-21 Semester: |

 To understand the Abstraction as a technique to improve creativity. To understand how the abstraction is used as a tool for creativity by many of the professionals. Design an object by using Abstraction as a tool. 	
20 th April 2020, Timing – 9.00 am to 1.30 pm (3 modules)	
M.V.P.S's College of Architecture	
First Year B. Arch	
85	
Photographs available	





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Brief about the Program (Activity/Event)

The students were divided into groups among the classroom. After the presentations by faculty they were assigned the problem. The work was done by students in following steps.

Step 1

- Discussion done by faculty on the topic of abstraction
- Students started to brainstorm amongst the group and come up with a concept at the end of the lecture.
 Concept was presented in sketch format onA3 size sheets.
- Finalization of concept by group teacher.

Students keep on working on the final concept to terminate it into final design up to the next module. Sketches and study models were expected as a output.

Step 2

 Group wise discussion on the final sketches and study models with group teacher were carried outfor final comments and improvements if any.

Step 3

 Individual submission of the final design in the respective classrooms was done by individual students.

Students Outcome/Wor ks example

Students were able to understand one of the method to improve the creativity. This will help them to think out of box and to develop ideas with reference to their surrounding things, nature etc. This can be repeated next year.

(no e

Faculty in-charge

IQAC Co-ordinator
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE

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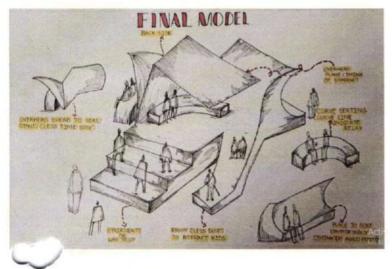


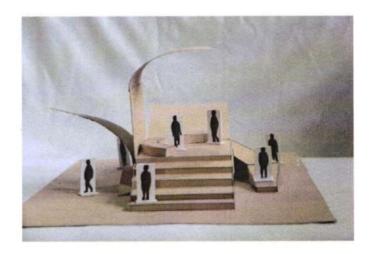
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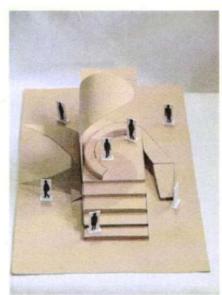
ABSTRACTION
TOPIC: MALL

Presentation by:
Januar nicem
Samidan ricentar















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Name of Program: Bachelor of Architecture

Name of Course: First Year B.Arch. Communication Skills (Experiential Learning)

Title of Assignment: Decoding a logo

Teaching methodology Adopted: Verbal and Graphical presentation

techniques using manual tools

Name of the faculty: Prof. Purva Shah, Prof. Radhika Bhattad, Prof. Amruta

Sawant, Prof. Shruti Kamath Academic Year: 2020-21

Semester:

Objectives	 To introduce the students to manual presentation tools for enhancing their ability in graphical presentation techniques. 	
Date / Duration of Activity	28/02/2021 (3 hrs)	
Venue	M.V.P.S's College of Architecture	
Student Attended	First Year B. Arch	
No of Students Present	44	
Photograph/Video Available	Photographs not available	





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Brief about the Program (Activity/Event)	The students were asked to research about a brand, its current status, future plans and social media presence. This also included the study of the evolution of their logo, color pallet of the logo and analysis on those lines. Then they had to finally design a new logo for the brand which according to the students shall uplift the brand to higher levels.
Students Outcome/Works example	This exercise enhanced the students' skills to present their ideas using manual presentation techniques. It shall be applicable for making such graphical presentation techniques for any other subjects in the course.

Faculty in-charge

Maratha Vidya Prasarak Samaj's

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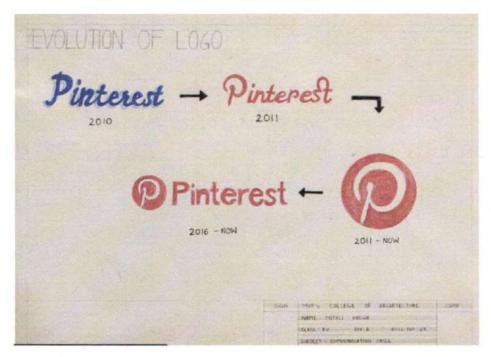


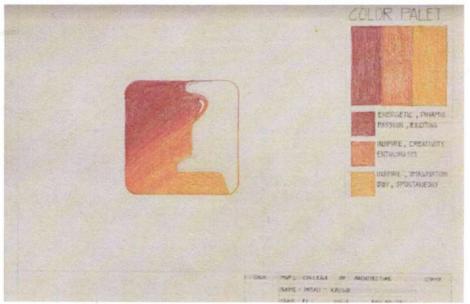


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STUDENTS WORK:

1) MITALI KASWA - F.Y. B.Arch.









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2) MRUNMAYEE MAHAJAN - F.Y. B.Arch.



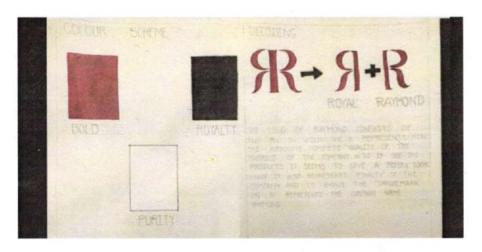






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3) YEDNYESHWARI ANTURLIKAR – F.Y. B.Arch.









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Name of Program :B. Arch

Name of Course : Workshop skill 1 Title of Assignment : Exploration

Teaching methodology Adopted: Experiential Learning

Name of the faculty: Suhas Datrange

Academic Year: 2020-21

Semester: 1

Organised By	Bachelor of Architecture	
Objectives	 To introduce significance of Model making in Architectural in exploring and representing Massing, from of buildings and spaces. Process of various basic model making technique and materials their properties and relationship. 	
Date /Duration of Activity	Semester 1	
Venue	M.V.P.S's College of Architecture	
Student Attended	First Year B. Arch	
No of Students Present	. 44	
Photograph/Video Available	Photographs available	





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Brief about the Program (Activity/Event)	In this activity students will know process of design to exploration model in details. This activity helps to improve deep thinking, creativity and planning. It's a combine activity with other subjects like BD, BTM, ADG and CADG
Students Outcome/Works example	Learning and Thinking process of transformation from the given object. Understanding and making concept design to final model. Understands art forms and exploration as an inspiration for design.

Faculty in-charge

IQAC Co-ordinator

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Nashik

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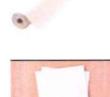


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A report on Lecture on transformation by Mr. Suhas Datrange

INSPIRATION - PAPER



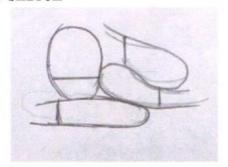








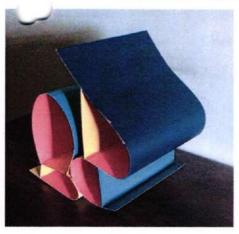
FINAL SKETCH



MATERIALS FOR MODEL

- · File board
- · Foam board
- Acrylic colours
- Ohp sheet
- · Flex bond
- Fevicol

PROCESS MODEL







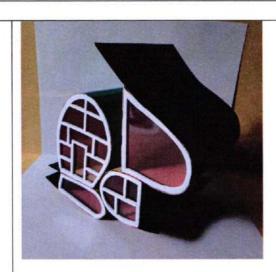


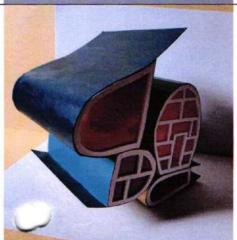
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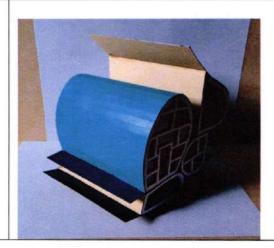
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FINAL MODEL





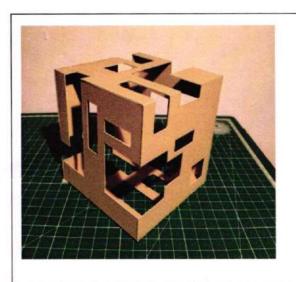


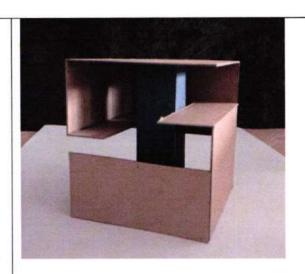






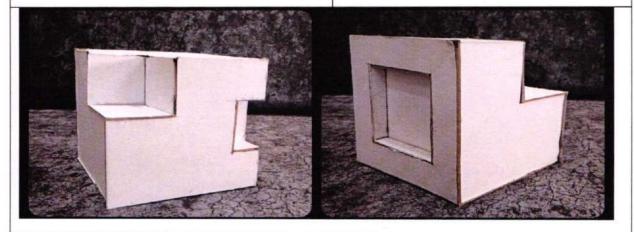
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BD

BD



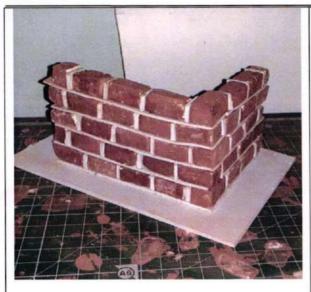
BD

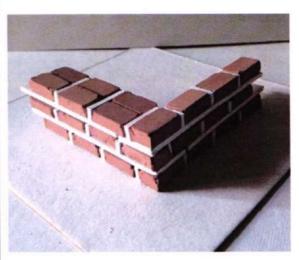




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BTM







BTM

CADG





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Name of Program: Bachelor of Architecture

Name of Course: First Year B.Arch. Fundamentals of Architecture
Title of Assignment: Understanding structural systems in virtual mode

Teaching methodology Adopted: EXPERIENTIAL LEARNING

Name of the faculty: Prof. Purva Shah, Prof. Radhika Bhattad, Prof. Amruta

Sawant, Prof. Shruti Kamath

Academic Year: 2020-21 Semester: II

Objectives	To introduce the students to presentation tools like model making for enhancing their understanding and visualization skills.
Date / Duration of Activity	02/07/2021 (3 hrs)
Venue	M.V.P.S's College of Architecture
Student Attended	First Year B. Arch
No of Students Present	44
Photograph/Video Available	Photographs not available





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Brief about the Program (Activity/Event)	The students had to make proportionate models of the structural systems using any material and size of their choice. They had to then write about the selected structural system including the points – loading patterns, materials applicable for that structural system, for what kind of spaces these structural systems can be adopted. This hands on experience gave a better clarity to the students to understand the structural systems.
Students Outcome/Works example	This exercise enhanced the students' skills to present their ideas and analyze them using model making techniques. It shall be applicable for making such presentations for any other subjects in the course.

Faculty in-charge

IQAC Co-ordinator
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik

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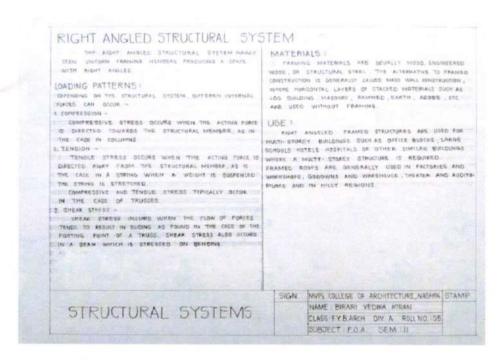


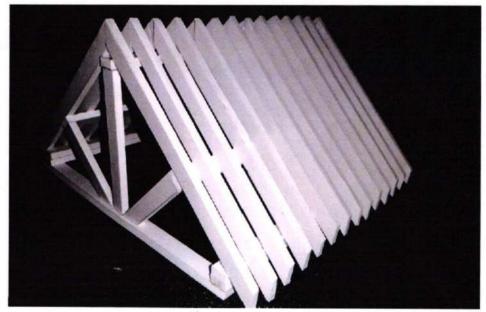


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STUDENTS WORK:

1) VEDIKA BIRARI - F.Y. B.Arch.









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Name of Program: Bachelor of Architecture

Name of Course: First Year B.Arch. Fundamentals of Architecture

Title of Assignment: Principles of Architecture

Teaching methodology Adopted: Graphical analysis techniques using manual

tools (EXPERIENTIAL LEARNING

Name of the faculty: Prof. Purva Shah, Prof. Radhika Bhattad, Prof. Amruta

Sawant, Prof. Shruti Kamath

Academic Year: 2020-21 Semester:

Objectives	 To introduce the students to graphical presentation tools for enhancing their ability in graphical analysis techniques.
Date / Duration of Activity	25/06/2021 (3 hrs)
Venue	M.V.P.S's College of Architecture
Student Attended	First Year B. Arch
No of Students Present	44
Photograph/Video Available	Photographs available





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Brief about the Program (Activity/Event)	The students had to identify five examples of architecture where manipulation of scale and proportion are used extensively to enhance the design through various basic design principles. They had to take a photograph of the building and draw a sketch/diagram explaining the analysis on the basis of basic design principles like scale & proportion, mass & massing, axis, symmetry, balance, hierarchy, datum, contrast, decoration, circulation patterns etc.
Students Outcome/Works example	This exercise enhanced the students' skills to present their ideas and analyze them using graphical presentation techniques. It shall be applicable for making such presentations for any other subjects in the course.

Faculty in-charge

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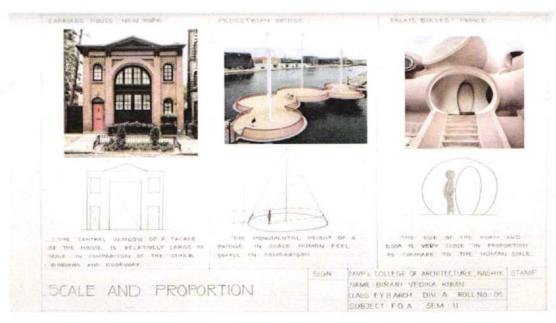


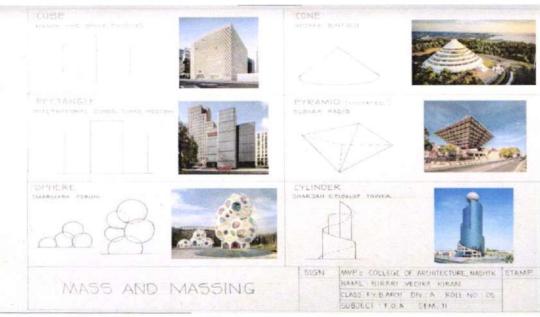


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STUDENTS WORK:

1) VEDIKA BIRARI - F.Y. B.Arch.









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2) ANUJA GADRE - F.Y. B.Arch.

SPATIAL STRUCTURAL SYSTEM SPATIAL STRUCTURAL SYSTEM IS A STRUCTURE TRANSMITTING IDAD SMULTANEOUSLY IN MORE THAN ONE PLANE SPATIAL STRUCTURES ARE SO SYSTEMS CONSISTING OF LINEAR MEMBERS SUBJECTED TO LOADS AT THEIR PLANTS OR ALDRIG THEIR LENGTH AND CONNECTED TO EACHOTHER USING FIN ON MANENT CONNECTIONS IN ASCHIECTURE THE TERM SPACE STRUCTURE TO INDICATE A CONDENSAGE STRUCTURE THAT REQUIRES TO STACE TO BE STABLE THIS CONTINUES STRUCTURE STANDS IN SOME BUT IS COMPOSED. OF 20 ELEMENTS . LEADING PATTERN - A SPACE FRAME IS STRONG BELANCE OF INCURENT RECIDITY OF the IN-AVAIL. SENDING MOMENTS ARE TRANSMITTED AS TENSON AND COMPRESSION LOADS ALONG THE LENGTH OF EACH STRUC MATERIALS APPLICABLE FOR SPATIAL STRUCTURAL SYSTEMS - JAROUS MATERIALS SHOW AS STEEL . ALLMONDUM . WOLD ... CONCRETE AND PLASTICS HAVE BEEN LIKED FOR MAINTACTURE OF SPATIAL STRUCTURE COMPONENTS SIEEL IS THE MOST COMMON MATERIAL BOOK AFTER WEEL, AUDINOUS TAS ALSO BEEN COMMING USED · SPACES FOR WHICH SPATIAL STRUCTURAL EXSTEM IS ADDITED . DOMES . INDUSTRIAL EXILDINGS . STORES HALL . CONFERENCE MALLS . STATIONS WITH LONG SPAN DISTANCE · MINEUMS . SHOPPING CENTRES AND MALLS · AIRPORTS AND CANCEL . DESMANDS FOOLS MYPI : CACD, NASHIN NAME - ANUA R GABRE CLASS FI DIV A ROLLING 15 SUBJECT FOA SEM - II STRUCTURAL SYSTEMS



MODEL

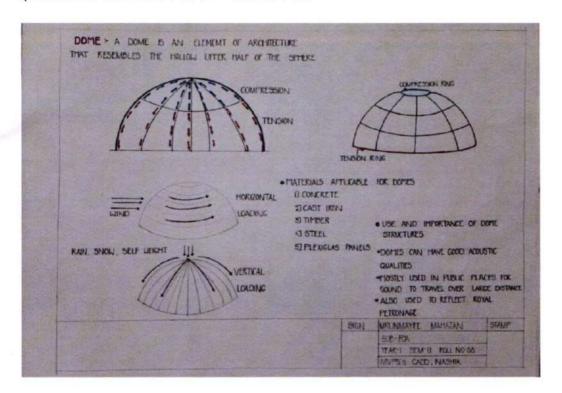






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3) MRUNMAYEE MAHAJAN - F.Y. B.Arch.



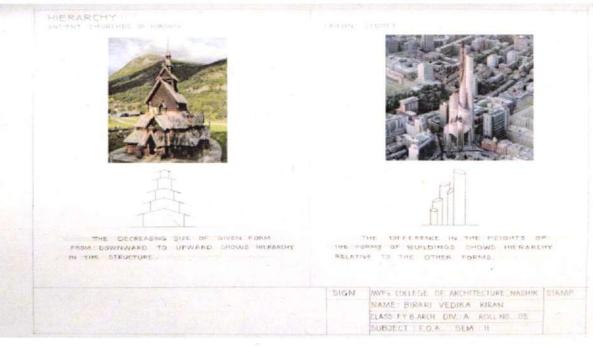






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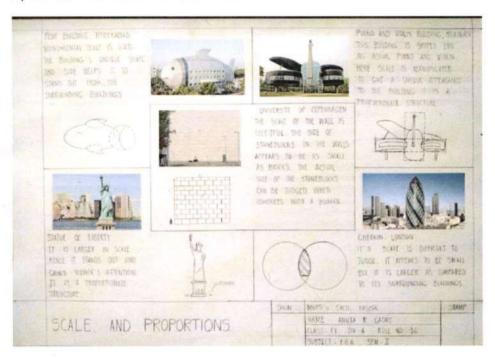


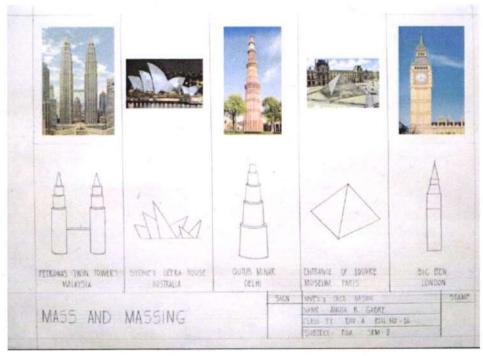




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2) ANUJA GADRE - F.Y. B.Arch.

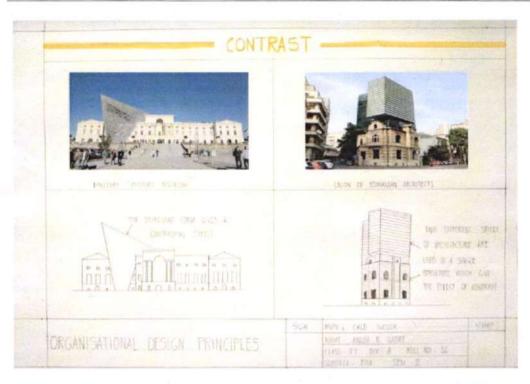


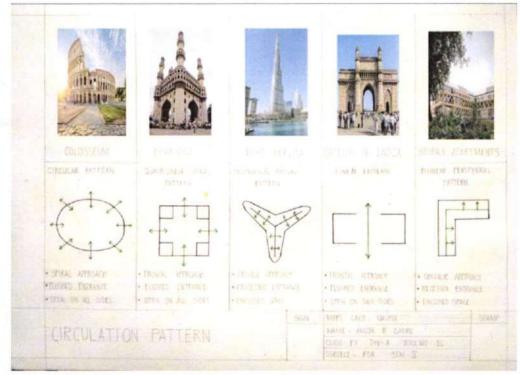






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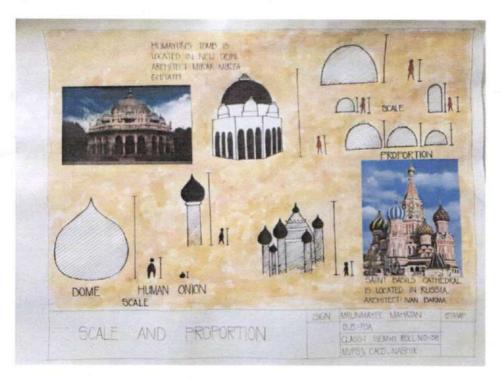


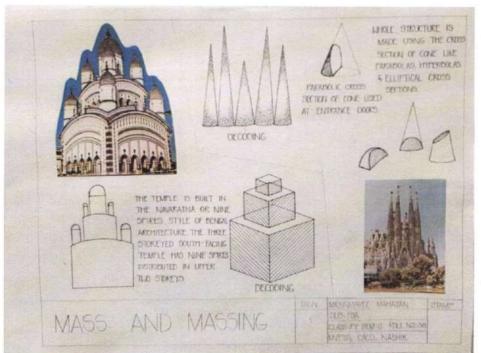




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3) MRUNMAYEE MAHAJAN - F.Y. B.Arch.

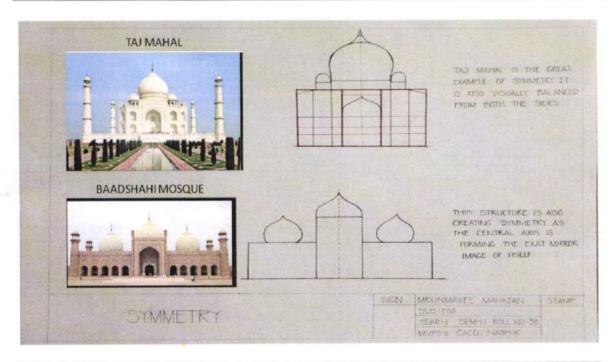


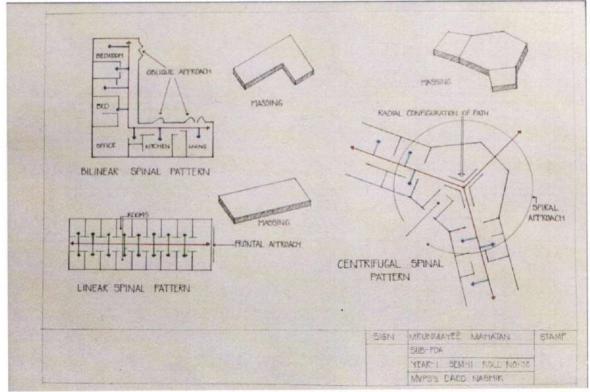






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Name of Program :B.Arch

Name of Course : Audit Course

Title of Assignment :SCRAP MATERIAL SCULPTURE MURAL Teaching methodology Adopted :Experiential learning

Name of the faculty: Prof. LayawantGawande

Academic Year: 2020-21

Semester: II

Objectives	 To introduce students to making of mural masterpieces from scrap. To make students use various types of lines, shapes, patterns and textures to create the design To make students understand and utilize the elements of art to create an original artwork through experiential learning. 	
Date /Duration of Activity	03/07/2021, 10/07/2021, 17/07/2021, 24/07/2021 (24 h	
Venue	MVPS's College of Architecture	
Student Attended	First Year B. Arch	
No of Students Present	26	
Photograph/Video Available	Photographs and videoare available	





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Brief about i	he
Program	
(Activity/Ev	ent)

An audit course on scrap material sculpture mural was conducted online for first year B. Arch students. The course was conducted by Prof. Layawant Gawande, allied faculty of the institute. On day one, students were introduced to mural art, preparation for mural process, how to choose the right materials, their properties and how to use them in wall mural, pre-painting fundamentals (Art Elements: Colour, Line, Shape, Texture, Space), how to create a strong composition using the visual elements and principles of design though demonstrations and discussions. On day two colours used in mural paintings of design were discussed. Students worked on their own murals and presented the completed works at the end. The overall process made students to experience various materials and thoughtfully utilize them in art works.

Students Outcome/Works example

Students work on the assignment and Prof. Layawant giving the demo have been attached.

Faculty in-charge

IQAC Co-ordinator
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik

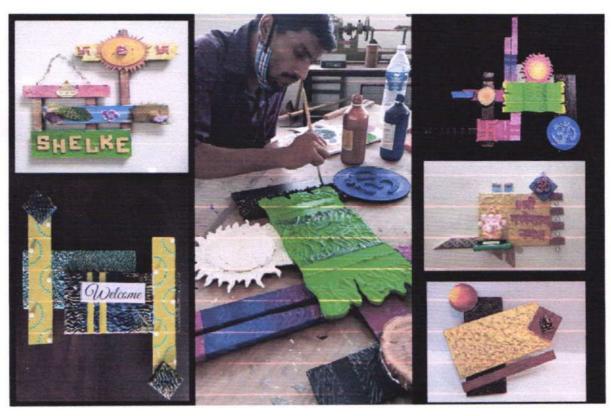
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Students' work



Works of the students.

Prof. Layawant giving the demo

Works of the students.





M.V.P.S's College of Architecture, Nashik

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1.3.3

Percentage of students undertaking project work/field work/internship (data for latest completed academic year)

AY 2020-2021

Second Year B. Arch Courses

project work/field work/internship

Reports of courses				
Course Code	Course Title			
2201917(SV) [2019 Pattern]	Architectural Design II			
2201919(SV) [2019 Pattern]	Building Construction & Materials III			
2201921(SS) [2019 Pattern]	Computer Aided Drawing & Graphics			
2201924(SS) [2019 Pattern]	Building Services I			
2201926(SV) [2019 Pattern]	Architectural Design III			
2201928(SV) [2019 Pattern]	Building Construction & Materials IV			
2201933(SS) [2019 Pattern]	Building Services II			





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Name of Program

Name of Course

Title of Assignment

Teaching methodology Adopted

: Bachelor of architecture

: Architectural Design II (2201917)

: Residence Design Virtual Case Study

: Experiential learning

Name of the faculty

: Suruchi Ranadive, Sharmishtha S, Niketa Kothavale,

Trupti Kakade, Purva Shah, Gaurav Arbooj, Kiran Kadam, Ketaki Pathak.

Academic Year: 2020-21

Semester: III

Organised By	Bachelor of Architecture
Objectives	 To understand residence a design typology. To study various design approaches of renowned architects by analyzing their published works.
Date /Duration of Activity	7/08/2020 to 14/08/2020 (1 week)
Venue	M.V.P.S's College of Architecture
Student Attended	Second Year B. Arch
No of Students Present	73
Photograph/Video Available	NA





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Project 1	: Residence	Design	(Major	Project):
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A case study is a precursor for any successful design development. In this activity students are expected to work in a group of 2 and analyze thoroughly a residence based on its design parameter and response.

To understand Architectural Design and taking design decisions based on the following aspects:

Socio-Cultural Aspects: To understand socio-cultural aspects like lifestyle, culture, traditions, and their effect on design.

Aesthetics: To understand the Aesthetic aspects of Design (visual and experiential) along with spatial attributes (scale and proportions, volume, texture, light and shadows, etc.)

Brief about the Program (Activity/Event)

Anthropometry & Function: To understand 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 and address climatic concerns like adequate light, ventilation, protection from rain, insulation, shading, heat gain.

Building Material and Construction Technology: To study relevance of various building materials and 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 to take decisions of zoning, circulation within site, distribution of built and open spaces, activity relationships and adjacencies, and views.

Students Outcome/Works example

Students understood planning principals and design process through analyzing drawings and photos of executed projects.

Faculty in-charge

IQAC Co-ordinator

Maratha Vidya Prasarak Samaj's

COLLEGE OF ARCHITECTURE

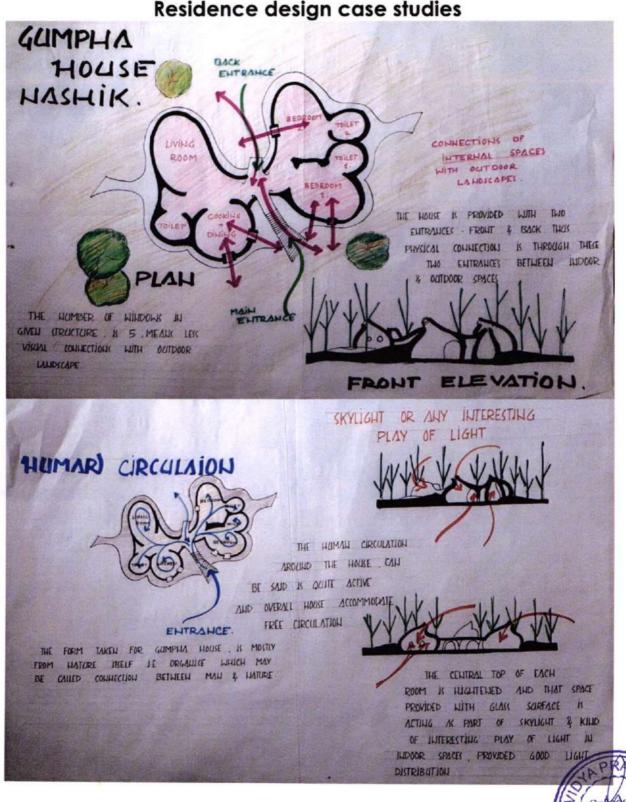
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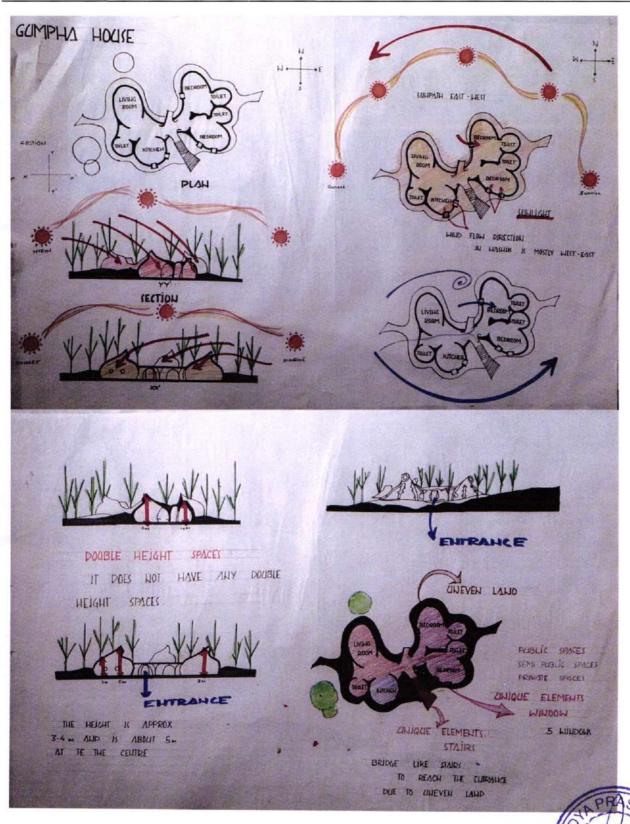
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A report on Residence design case studies





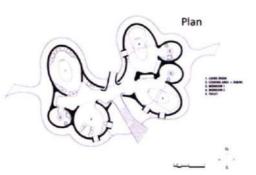
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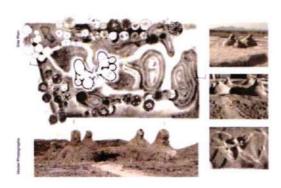


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GUMPHA HOUSE











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NMVPS COLLEDE OF ARCHITECTURE AND CENTRE FOR DESIGN

THE INDIAN MODERN HOUSE

JALANDHAR, PUNJAB

DOCUMENTATION ONLINE CASE STUDY (5.Y.B.ARCH)

BY OM MUNDANKAR



THE INDIAN MODERN HOUSE

JALANDHAR, PUNJAB, INDIA

- 1. Architects: 23DC Architects
- 2. Completion Year: 2018
- 3. Project: An Indian Modern House
- 4. Location: Jalandhar, Punjab, India
- s. Lead Architect: Ar. Shiv Dada, Ar. Mohit Chawla
- 6. Manufacturers: D'Décor, Häcker, Mitsubishi Electric, Saint-Gobain, Schüco, dormakaba
- 7. Client: Ajay Kumar
- s. Photography: Ar. Purnesh Dev Nikhanj.







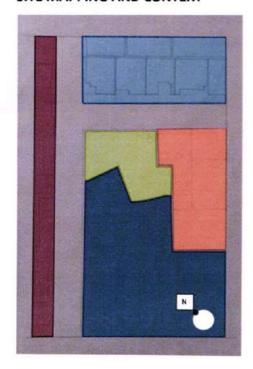


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CLIENT: AJAY KUMAR

No. of users	Total 10	Gate and Parking	A gate with watchman's cabin and Parking for 3-4 four wheelers.
	Grandparents	Entrance	To the North-East with a Small ganpati mandir and connected to landscape.
	2 Sons and 1 Daughter	• Landscape	A garden directly connected to entrance.
	2 Daughter-in-laws	 Balcony and terraces 	Both should be able to gain morning sunlight.
	2 Young Adults	Other	A home theater, a Bar, a Gym
	2 Children	Favorites etc.	A design with elements of Indian Tradition.
Requirements-			
For Grandparents	A medium size room for both, Near the puja room, with proper morning sunlight if possible.		
• For Sons and their Wives	Two Large size rooms for each, one near the grandparent's room, and the other near the children's room.		,
For Daughter	One single room.		
For Young adults	One-one small separate rooms for Each of them .		
For childrens	A large common sharing room near to a elder's room.		
For Guest/Extra room	1 or 2 rooms		

SITE MAPPING AND CONTEXT







A VIEW FROM THE NORTH DIRECTION.

THE SITE WAS A DENCELY COVERED REGION WITH CLUSTERS OF DIFFERENT HOUSE-TYPOLOGIES. IRREGULAR SHAPE SITE WITH A TREE AT ONE CORNER WAS THE INITIAL STATE OF THE SITE. A PLAIN DRIED LAND SUITABLE FOR CONSTRUCTION IN ALL MANNER POSSIBLE. MORNING SUNLIGHT, WINDS FROM NORTH AND SOUTH WERE SOME IMPORTANT CHARACTERISTICS OF CLIMATE OF THE SITE.





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CRITICAL SITE ANALYSIS

SITE IRREGULAR SHAPE, DENSELY CLOSED WITH OTHER RESIDENCES, DESIRED SPACING AND DESIRED ENCLOSURE BY THE CLIENT, AND FREQUENT VARIATIONS IN CLIMATE MADE THE ARCHITECT TO TAKE A CRITICAL STEP OF CLOSING THE SITE WITH DIFFERENT WALL HEIGHTS.

TREE IN THE RIGHT SIDE CORNER AND NORTH SIDE WERE THE MAIN **FACTORS THAT** FINALIZED THE VAST LANDSCAPE PART OF THE **RESIDENCE.INTERN** AL COURTYARD. **BACKSIDE MINI** VEGETATIONS, AND A TERRACE **GARDEN WERE** ALSO SOME OF THE **OPEN TO SKY SPACES IN THE** RESIDENCE.

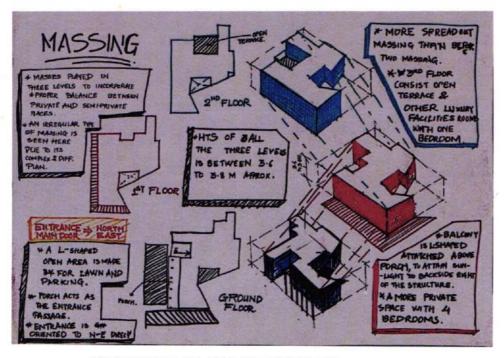


THE CONSTRUCTION IS DONE WITH CONCRETE STEEL. WOOD WAS USED FOR CONVERTING UNBUILT SPACES TO BUILT. WOOD WAS MAINLY USED IN ROOFING.

NO. OF USERS
WERE HIGH WITH
INDIVIDUAL
REQUIREMENTS
AND PRIVACY, DUE
TO WHICH THE
ARCHITECT
DECIDED TO GIVE
A TOTAL PRICVACY
TO THE
RESIDENCE.

LESS HEIGHTED
WALL AND GATE IS
PLACED TO THE
NORTH AND WEST
DIRECTION, AS
THESE SIDES HAD
ROAD AND THEN
RESIDENCES

MASSING



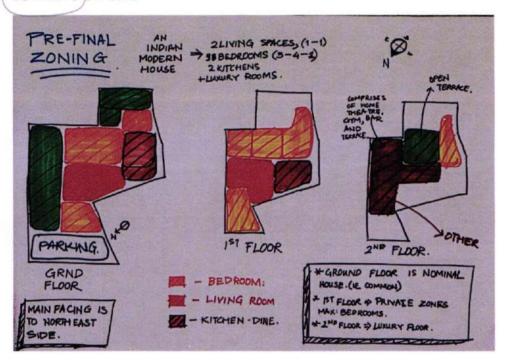
MASSING OF ALL THE THREE FLOORS.



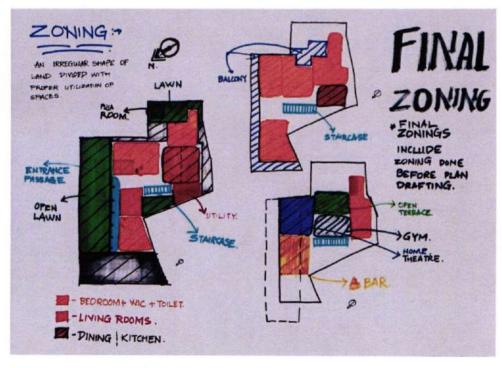


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ZONNING ON SITE



BASIC ZONING

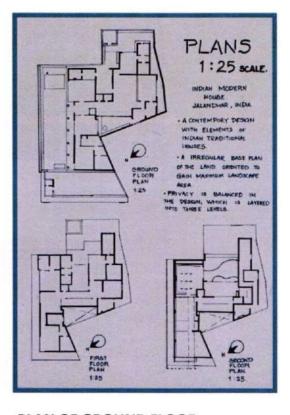


DETAILED ZONING

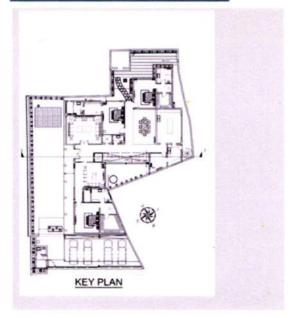




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PLANS SCALE 1:25



PLAN OF GROUND FLOOR















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PLAN OF GROUND FLOOR



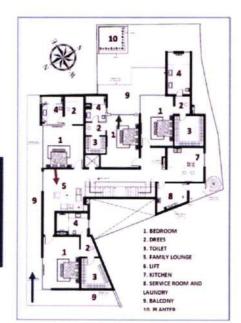






PLAN OF FIRST FLOOR











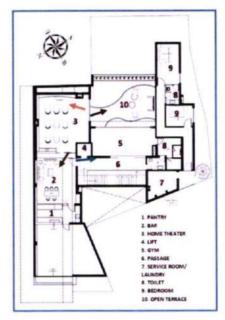




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PLAN OF SECOND FLOOR



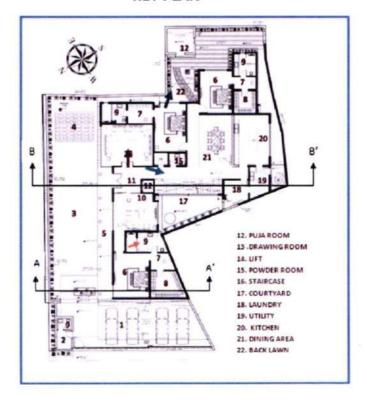








KEY PLAN



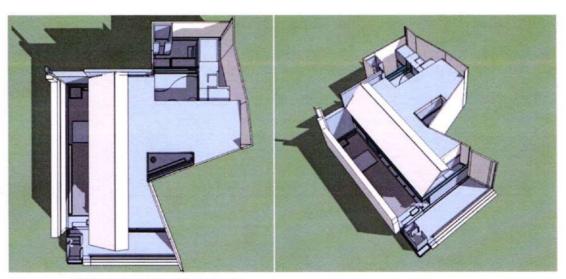




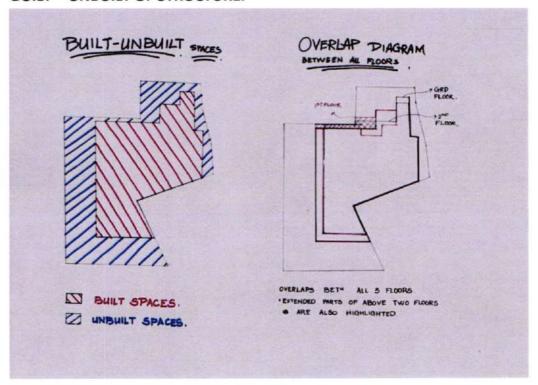
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ROOF PLAN

ISOMETRIC VIEW



BUILT - UNBUILT OF STRUCTURE.

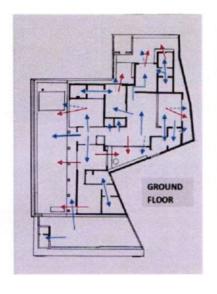


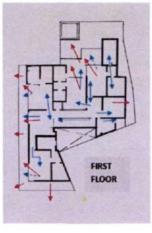


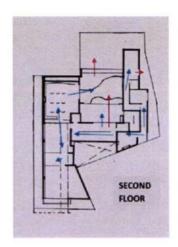


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PHYSICAL AND VISUAL CONNECTIONS

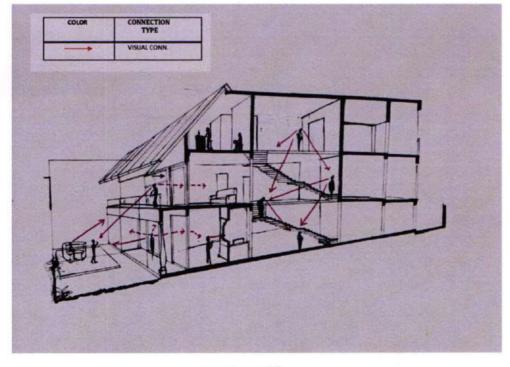






COLOR	CONNECTION		
-	PHYSICAL CONN.		
	SEMI-PHYSICAL CONN.		
	VISUAL CONN.		

A SECTIONAL VIEW OF VISUAL CONNECTIONS



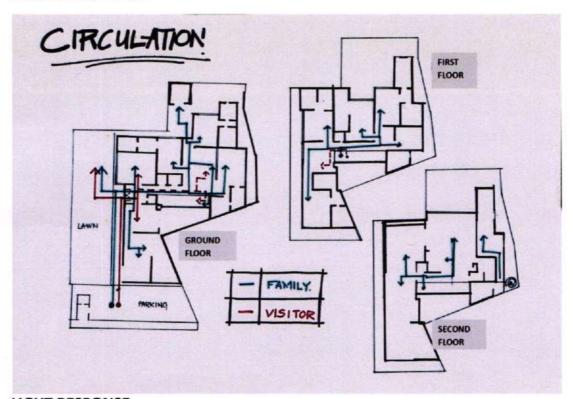
Section BB'





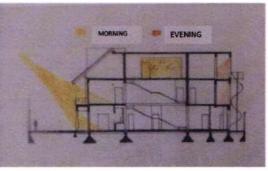
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BASIC CIRCULATION



LIGHT RESPONSE





BOTH THE GRAPHICS SHOWS HOW LEAST THE LIGHT TRAVELS IN THE RESIDENCE.

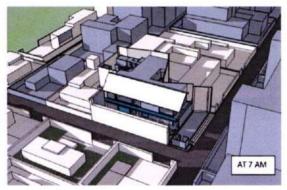


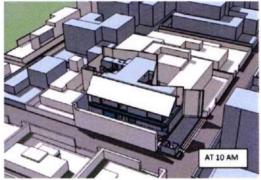


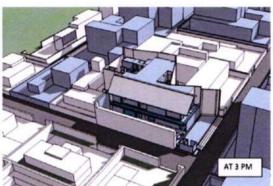


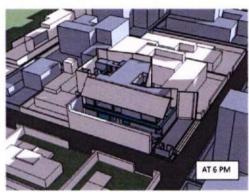
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IMPACT OF LIGHT DURING DIFFERENT TIME PERIOD

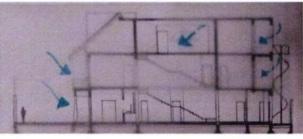


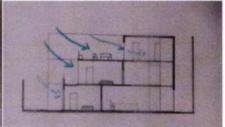




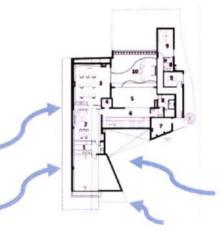


WIND RESPONSE





- STRUCTURE IS ENCLOSED TO COVER IT FROM HARSH WINDS OF PUNJAB REGION.
- BALCONY EXIBITS MAXIMUM VENTILATION AS MOST COMMON WIND DIRECTION IS NORTH.







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RESPONSE TO CONTEXT



INTERNAL COURTYARD

HO HO CONNECTION

WHITE THE STRUCTURE.

COURTYARD SPACE

THE STRUCTURE

COURTYARD

SPACE

THE STRUCTURE

TO ENSURE

PRIVACY.

TO SPACE

THE STRUCTURE

TO ENSURE

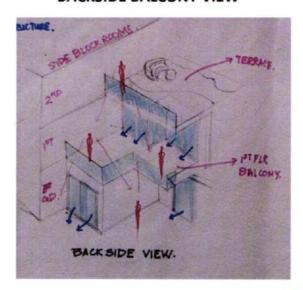
PRIVACY.

TO SPACE

- AS SITE IS LOACATED IN A
 DENSE STRUCTURAL REGION,
 IT WAS OBVIOUS TO ENCLOSE
 THE SITE WITH HIGH
 WALLING.
- ANOTHER REASON WAS THE HARSH WINDS OF THIS REGION
- FOLOWING

COLOR	ENCLOSURE WALL/ETC
70,200	UPTO 3.5M
	3.5 TO 4.7
	ABOVE 4.7

BACKSIDE BALCONY VIEW

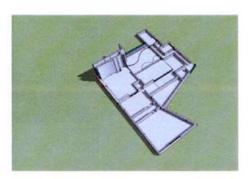




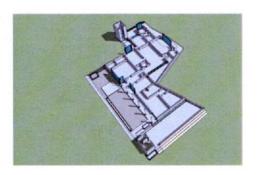


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GROUND FLOOR

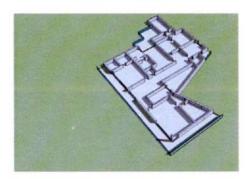


SECOND FLOOR

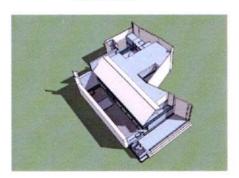


THE CONTRACTOR STATE

FIRST FLOOR



ROOFING



1.ROOFING

SOME FEATURES



SIMPLE ROOFING BLOCKS SHAPED WITH MATERIALS LIKE CONCRETE, WOOD IS MADE WITH AN ATTRACTIVE FEATURE OF SLANTED ROOF ABOVE THE FRONT BALCONY.TILE ROOFING IS USED FOR ENTRANCE SHED.





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2. LAWN





LAWN PROVIDES A FREE ADJACENT SPACE TO THE PASSAGE TOWARDS
THE ENTRANCE. WITH CORERELATION WITH PASSAGE AND PARKING, LAWN
CREATES AN OPEN SPACE FOR ENTRANCE. THE BACKWARD LAWN IS PROVIDED
TO THE PUJA ROOM

3.STAIRCASE AND INTERNAL COURTYARD



STAIRCASE AREA IS PROVIDED WITH AMPLE AMOUNT OF LIGHT THROUGH THE INTERNAL COURTYARD.INTERNAL COURTYARD PROVIDES A PRIVATE SPACE FOR ALL THE FAMILY ACTIVITIES.

4.BALCONY.



THE SLANTED ROOF PROVIDES A SHED TO THE BALCONY WITH A DOUBLE HEIGHT CHARACTER. BALCONY IS PLACED FOR GAINING MAXIMUM MORNING SUNLIGHT.

CONCLUSION:

THE INDIAN MODERN HOUSE IS DESIGNED IN A COMPLEX AND IRREGULAR SITE WITH A VIEW OF MAXIMUM UTILIZATION OF PRIVATE AS WELL AS OPEN SPACES. THREE LEVEL HOUSE WITH INTERNAL AND EXTERNAL OPEN TO SKY SPACES PROVIDES ALL THE ESSENTIAL COMFORTS THE A PARTICULAR HOUSE WANTS.TRADITIONAL INDIAN ELEMENTS FUSED WITH MODERN USED OF CONSTRUCTION PROVIDE A PROPER RESIDENCE DESIGN IN SUCH A IMPROPER CONTEXT.THE ARCHITECT TRIED TO ACHIEVE ALL THE REQUIREMENTS OF THE CLIENTS IN THE RESIDENCE.





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Name of Program : B.Arch. Name of Course : BCM III

Title of Assignment: Market Survey for: Cement Concrete, Windows in non-

timber materials, Flooring & paving materials.

Teaching methodology Adopted: Experiential learning (virtual Market Survey)

Name of the faculty:

Prof Geetanjali Patil, Megha Butte.

Prof Sharmishtha Surajiwale , Manisha Rajole.

Academic Year: 2020-21 Semester: III

Objectives	To develop understanding about making choice of appropriate building materials in a given situation & the relationship of materials to construction systems, through market survey by means of Experiential learning.		
Date /Duration of Activity	Market Survey 1: Cement Concrete Market Survey on 3.9.2020 (3 hours) Market Survey 2: Windows in non-timber materials Market Survey on 29.10.2020 (3 hours) Market Survey 3: Flooring & paving materials Market Survey on 5.11.2020 (3 hours)		
Venue	M.V.P.S's College of Architecture & Building Material suppliers		
Student Attended	Second Year B. Arch		
No of Students Present	Division A 34 + B 39 (73)		
Photograph/Video Available	Photographs available		





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	Building materials form an integral part of the field of architecture. The site selected as well as the nature of the surroundings, determine the building type, and choice of building material. The type and form of structure is determined by the type of material used. The concept of 'building materials' glorifies the endurance and visual aspects of design.
	Stage 1 :
Brief about the Program (virtual site Visit)	 Students are introduced to different building materials related to RCC construction, non-timber materials for windows and Flooring & paving materials The available materials in the material –lab are shown to the students in google-meet. The students are instructed to collect the brochures and price of the material from on-line resources Stage 2:
	The students visited the Building material suppliers on-line sites to study: character and visual appeal of the material, suitability of that particular material to the design, price.
18	Stage 3:
	The students prepared site visit report, including the material photos along with the information regarding the usage, installation and price.
	With the help of Market survey the students established a relationship between the endurance of a structure as well as the technical and structural aspects of the design of the built environment.
Students Outcome/Wo rks example	Cost management and quality management could be worked out by <u>understanding</u> the building materials. Students will develop an idea about the properties of materials and they will be able <u>to compare</u> and <u>evaluate</u> various materials available in market and <u>choose</u> appropriate material for a particular project considering material's quality, suitability for the project and its market rates.

Faculty in charge



IQAC Co-ordinator
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik

Approved by (IQAC)



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Market Survey 1: Cement Concrete

	Company name	Bag size	Rate	Specific properties	Uses
	Ambuja	50kg	Min- Rs 280/Bag Max- Rs 375/Bag		
Cement	Ultratech	50kg	Min- Rs 330/Bag Max- Rs 390/Bag	PPC (Pozzolana Portland Cement)	Cement is the binding agent in concrete used to bind
	Birla	50kg	Min- Rs 300/Bag Max- Rs 370/Bag		aggregates together
Coarse	Rivashaa Eco Design Solutions Pvt Ltd	50lit 100lit 2 5m3 Jumbo	n. engla.	Par # 10000	Aggregates make up some 60 -80% of
aggregate			Rs 690/ Bag	Size- 0 - 30 mm	
	R P C Construction Solutions	4 Units (Lorry)	Rs 2,050/Unit	Size- 40mm	the concrete mix. They provide compressive strength.
	Nexus Buildoon Solutions	50 ltr	Rs 600/Bag	Size is available by mm	and bulk to concrete.
Admixtures					
	SS Technology	Drum	Rs 25-35/drum	Colour- Yellow, Liquid	It is used to accelerate the hardening proccess of
Accelerators	Cemek (I) Private Limited	25 kg (Bags)	Rs 35/Bag	Colour- White, Powder	concrete
Water reducing	PERMA CONSTRUCTION CHEMICALS	25kg (HDPE Drum)	Rs 81/kg	Physical state- Liquid	It is used to reduce the amount of water in concrete
admixtures	Sakshi Chem Sciences Pvt Ltd	50kg (Can, Barrel)	Rs 105/kg	Physical state- Liquid	upto some extent
	Bharat Machinery Store	20 itrs (Barrel)	Rs 7000/Barrel	Colour- Blue	Retarders for concrete are used to delay the initial
retarders	Shree Meera Lab Pvt Ltd	15 ltrs (Bottle, Can)	Rs 100/ltr	Physical state- Liquid	setting time of the concrete upto an hour
ftraining	Atul Enterprises	30-225 ltrs (Barrel)	Rs 60/tr	Physical state- Liquid	Air-entraining admixtures cause small stable bubbles
agents	Bhagyanti Pigments and Chemicles	Barrel	Rs 110/Rr	Physical state- Liquid	of air to form uniformly through a concrete mix

	Market survey Cement				The same		
	Company Name	Price	e I Bag (Min)	Size	Grade		
		OPC	The second secon	(in kg)	OPC	PPC	
	Ultratech Cement	066	288	50kg	55	43	
	Ambuja rement	330	340	50kg	43	53	
	ACC Cement	326	055	50kg	43	53	
	JSW Cement	500	345	50kg	43	48	
	Aggregates -						
-	Grey, black agg	regate	- 600/ t	n		200	
•	Grey so mm Aggregate - 550/tan Metal						
	Lightweight aggregates - 20kg - 5000/unit						
	Granite Sand - 75/cubic Feet						
	40 MM aggregat						

	Admixtures =	
	Grey white sillon cement	
	512A - 20kg	
	Grade standard - Astm CG16-93	
	Price Ing - 95 /kg	
-	Grey write silica cement	
	SIO, Grey Micro Silica Fume	Pouvder
	Grade - Industrial	
	Size - 50 Kg	
	Price lkg - 50 kg 181 kg	
	Water Reducing Admixture	
	Size - looka	
100	Price - 19000 / Barrel	
100		Act cement Admixture
200	512e - 200 kg	Size - 50 - 2251
	fotoging Type - Drumps	Potaging type Down
	Price - asikg	Price - 45 / terawatt
	CAM	
	st Usage - Construction	
190	Grade standard - Industrial	
	Fackging type - Barrel	





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Market Survey 2: Windows in non-timber materials

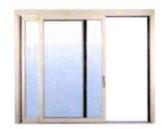
Aluminium wimdow

Frame Material
Aluminium
Usage/Application
Demestic/Commercial
Color
Surface Finish
Powder Coated
Appearance
Modern
Open Style
Hinged, Swing, Sliding
Design-customized
Country of OriginMade in Indias
Features Corrosion resistant finish High mechanical strength
Trial resistant finish

Modern Aluminium Alluminium Window ₹ 375 / Square Feet(s)

by: S. K. Steel Fabricators, Ludhiana





Magicwoods Finished Aluminium Sliding Window, For Home ₹ 450 / Square Feet

by: Magicwoods, Delhi



Jindal Powder Coated Aluminium Window, For Home, Size/Dimensio 1200 Mm By 1200 Mm ₹ 450 / Square Feet

by: Super Interior, Delhi

Market Survey 3: Flooring & paving materials









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Name of Program: Bachelor Of Architecture

Name of Course: Computer Aided Drawing & Graphics (Second Year)

Title of Assignment: Demonstration of presentation techniques in various drawing

formats

Teaching methodology Adopted: Experiantial Learning

Name of the faculty: Umesh Hirve, Niketa Kothavale, Sheetal Chougule, Ashish

Khemnar

Academic Year: 2020-21

Semester: III

Objectives	To enable the students to express their design ideas through various sketching techniques	
Date /Duration of Activity	10/08/2020, 17/08/2020, 24/08/2020, 31/08/2020	
Venue	M.V.P.S's College of Architecture	
Student Attended	Second Year B. Arch	
No of Students Present	73	
Photograph/Video Available	Photographs available	





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Brief about the Program (Activity/Event)	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, and Sections with internal and external perspective views.
Students Outcome/Works example	Students should be able to comprehend and express nuances of graphic language through various presentation techniques and methods learnt.

Satologas Faculty in-charge

xliketa kothavale

IQAC Co-ordinator
Maratha Vidya Prasarak Samai S
COLLEGE OF ARCHITECTURE
Nashik

Approved by (IQAC)

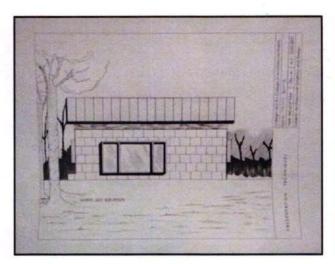


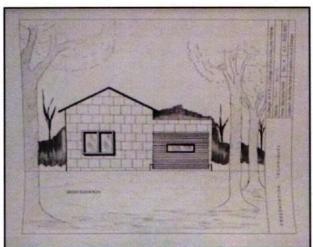


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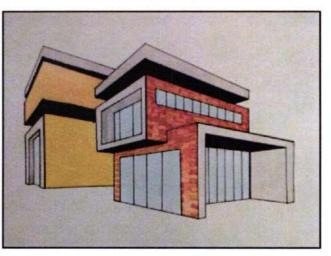
Assignment - Demonstration of presentation techniques in various drawing formats.

1)







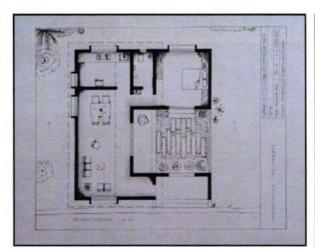


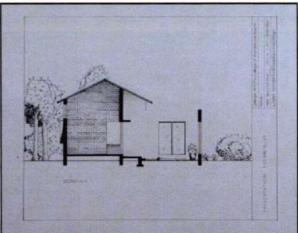




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2)







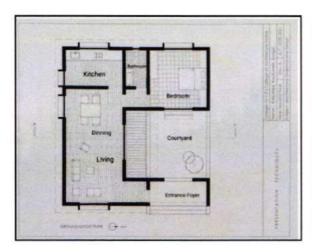


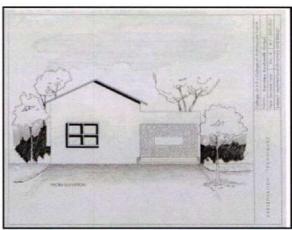




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3)













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Name of Program: B.Arch.

Name of Course: Building Services - I

Title of Assignment: Market survey for Plumbing Fixtures and Fittings

Teaching methodology Adopted: Experiential Learning Name of the faculty: Sharmishtha Surajiwale, Tejas Pawar

Geetanjali Patil, Kiran Kadam

Academic Year: 2020-21

Semester: III

Objectives	To make students aware of prevalent products available in the market through virtual Market Survey, to enable them in preparation of Plumbing Layout and their design.
Date /Duration of Activity	Water Meter Market Survey on 18/08/2020 (3 hrs) Pumps and Valves on 26/08/2020 (3 hrs), Types of taps and faucets on 09/09/2020 (3 hrs) Bathroom fittings on 27/09/2020 (3 hrs)
Venue	MVPS's College of Architecture
Student Attended	Second Year B. Arch.
No of Students Present	7 5 (Div. A + B)
Photograph/Video Available	Photographs available





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Brief about the Program (Activity/Event)	 Under this course, second year students learn about various fixtures and fittings used in plumbing. Then, they collect more information about them from the market such as available brands, rates, updated products. This updated knowledge helps them in designing the plumbing layouts for their design project. Faculty of the subject gave them the basic information about these materials along with their use, importance and joinery details. A virtual visit to the Institute's Plumbing laboratory was conducted. In this laboratory, various samples and a model of plumbing layout has been displayed to explain the connections in plumbing layout. Later the students were supposed to visit websites of various manufacturing companies to get the information about various fixtures and fittings available in the market, their qualities, and use in plumbing work, available varieties and respective rates. The information collected by the students was in the form of brochures, photographs and handwritten notes. The students were supposed to study, analyze the collected information and prepare a chart or comparative sheet that gives an overview of all the materials at a glance.
Students Outcome/Works example	 Through this exercise, Students develop an idea about the properties of materials, they can compare and evaluate a variety of materials available and choose appropriate material for a particular project.

Sharwishtha Surajiwale

Faculty in-charge

IQAC Co-ordinator
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik

Approved by (IQAC)





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Sample Market Surveys

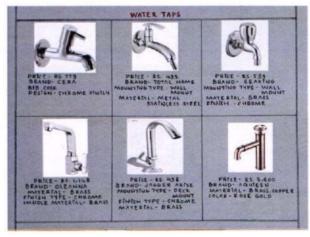
















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Name of Program: Bachelor of Architecture

Name of Course: Second Year B.Arch. (Architectural Design III)

Title of Assignment: Settlement Study to Mohadi

Teaching methodology Adopted: EXPERIENTIAL LEARNING

Name of the faculty: Prof. Suruchi Randive, Prof. Purva Shah, Prof. Kiran Kadam, Prof. Gaurav Arbooj, Prof. Sharmishtha Surajiwale, Prof. Niketa Kothavale, Prof.

Vinit Bobade, Ar. Ketki Pathak

Academic Year: 2020-21 Semester: IV

Organised by	Bachelor of Architecture
Objectives	 The Objectives of the settlement study tour: To introduce students to socio- cultural aspects like lifestyle, culture, traditions and their effect on architectural design. To make students understand the important factors like climate, building material and construction technology, building services, etc. To make students aware about the concept and principles of universal design through the process of observation, analysis and documentation
Name of Resource Person	Prof. Suruchi Ranadive
Resource Person Post and Organization	Design team – Second year Architecture MVPS's College of Architecture, Nashik
Date and Time	8/3/2021 - 9/3/2021
Venue	Mohadi (Dindori Dist., Nashik)
Program In-Charge	Prof. Suruchi Ranadive
Student attended	Second Year Architecture
No of Students Present	35 PRAS



Program Approved by	Chairperson, IQAC & Tour Committee
Supporting Staff Member	Prof. Purva Shah, Prof. Kiran Kadam, Prof. Gaurav Arbooj, Prof. Sharmishtha Surajiwale, Prof. Niketa Kothavale, Prof. Vinit Bobade, Ar. Ketki Pathak
Photograph/Video Available	Photos
	This year, the second-year architecture settlement study tour was taken to Mohadi, Nashik. The students documented the settlement of Mohadi, by understanding the local construction techniques and materials.
Brief about the (Activity/Event)	Students were divided into groups and were asked to measure the houses and clusters along with public spaces like streets, chowks, temples and other community areas. Students got to learn about the socio-cultural life of the village and its reflection in the overall architectural planning along with the impact of local climatic conditions.
	Locally available stone and raw wooden logs largely govern architecture of the region. The old structures dominated the architecture of the village. The livelihood of the people was dependent on their everyday activities including few of the community run business like pottery and chulha making, cottage food industry such as pickles and papad making.
	Students were able to interact with the locals, understand their routine, the overall lifestyle and their needs. Students were fortunate to document few of the old structures which stood the testimony of time.





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Due to Covid restrictions, very less students were present for the field visit. Rest others did the literature case studies. Though conducting architectural site visit in the pandemic was a major challenge, yet it proved helpful and kept the enthusiasm of students high.

Slavadive

Faculty in-charge

IQAC Co-ordinator
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE

Approved by (IQAC)



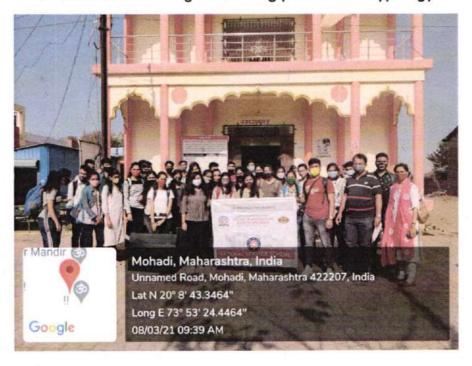


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PHOTOGRAPHS:



Students documenting the housing patterns and typology



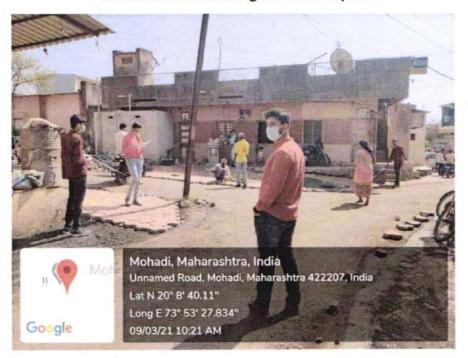
Students carrying out the community service under NSS







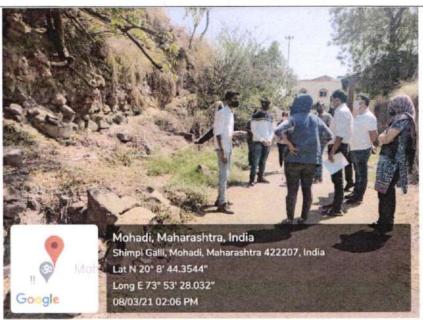
Students documenting the old temple



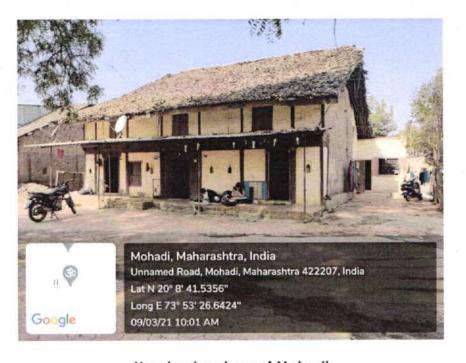
A group of students engaged in measuring the road







Faculty members guiding the students



Housing typology of Mohadi





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Name of Program: B.Arch. Name of Course: BCM IV

Title of Assignment: Virtual Market Survey for :

· Light weight concrete,

· Lifts, Escalators & Conveyors,

Glass and Plastics

Teaching methodology Adopted: Experiential learning (Market Survey)

Name of the faculty:

Prof Geetanjali Patil, Megha Butte.

Prof Sharmishtha Surajiwale, Manisha Rajole.

Academic Year: 2020-21

Objectives	To develop understanding about making choice of appropriate building materials in a given situation & the relationship of materials to construction systems, through market survey by means of Experiential learning.
Date /Duration of Activity	Market Survey 1: Light weight concrete, on 7.1.2021 (3 hours) Site visit 2: Lifts, Escalators & Conveyors, Market Survey on 25.3.2021 (3 hours) Site visit 3: Glass and Plastics Market Survey on 13.5.2021 (3 hours)
Venue	M.V.P.S's College of Architecture & Building Material suppliers
Student Attended	Second Year B. Arch
No of Students Present	Division A 34 + B 39 (73)
Photograph/Video Available	Photographs available



Semester: IV



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	determined by the type of material used. The concept of 'building materials' glorifies the endurance and visual aspects of design.
	Stage 1 :
about	Students are introduced to different building materials related to light weight concrete. Glass and Plastics. The students are introduced to

Brief about the Program (virtual site Visit)

to different building materials related to light weight concrete, Glass and Plastics. The students are introduced to Lifts, Escalators & Conveyors, its uses in various different situations.

Building materials form an integral part of the field of architecture. The site selected as well as the nature of the surroundings, determine the building type, and choice of building material. The type and form of structure is

- The available materials in the material –lab are shown to the students in google-meet.
- . The students are instructed to collect the brochures and price of the material from on-line resources

Stage 2:

The students visited the nearby Building material suppliers to study: character and visual appeal of the material, suitability of that particular material to the design, price.

Stage 3:

The students prepared site visit report, including the material photos along with the information regarding the usage, installation and price.

Students Outcome/Wo rks example

With the help of Market survey the students established a relationship between the endurance of a structure as well as the technical and structural aspects of the design of the built environment.

Cost management and quality management could be worked out by understanding the building materials. Students will develop an idea about the properties of materials and they will be able to compare and evaluate various materials available in market and <u>choose</u> appropriate material for a particular project considering material's quality, suitability for the project and its market rates.

Sharnishtha Surgiwale

IQAC Co-ordinator Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE Nashik

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Market Survey 1: Light weight concrete,



GRAY LIGHT WEIGHT CONCRETE Grade standard – 400kg density Application-sunken filling Packaging type – on site Application Colour – gray Minimum order – 15 kg Price - ₹ 4500 kg



LIGHT WEIGHT FOAM CONCRETE Application- construction Grade standards- A Packaging size - 80 kg Minimum order quantity- 100 sf Price - ₹ 699 sf



- Type light weight foam concrete
- Material concrete
- Price ₹ 350/cbm
- Processing brick production line
- Method Hydraulic pressure
- Concrete type foam concrete

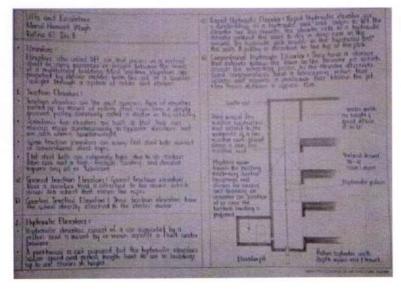


- Type light weight cement block
- Price -₹ 2975 /cbm
- Size 600×200
- Material cement
- Use side walls
- Shape cubic



- Type light weight autoclaved aerated concrete
- Size 4×8×24 inch
- Price ₹ 44 / piece
- Shape rectangular
- Material autoclaved aerated concrete
- Use construction
- Product type- block

Site visit 2: Lifts, Escalators & Conveyors.



HYDRAULIC ELEVATOR

ROPED HYDRAULIC ELEVATOR:

- · COST: ₹3 50LAKH/ ONE FLOOR
- · CAPACITY: 2-4 PERSONS
- · BRAND: HULK LOKPAL
- MINIMUM ORDER QUANTITY:
 IFLOOR







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HOLE - LESS HYDRAULIC ELEVATOR:

· COST: ₹6LAKH/UNIT

· CAPACITY: 3-4TON

OPERATING HEIGHT: 40-50 FEET

. BRAND: TEKNICA

. LIFT TYPE: PASSENGER LIFT

· AMC: PROVIDED

WARRANTY: 12 MONTHS



MACHINE ROOM- LESS (MRL) ELEVATOR

- · COST: ₹6LAKH/PIECE
- · MAXIMUM LOAD: 1088KG
- · MAXIMUM RISE (M): 30M
- MAXIMUM SPEED(M/S): 1.5M/S
- · AREA OF CABIN (FEET): 3X4
- . AMC/AFTER SALES SERVICE: PROVIDED
- · CABIN FINISH: GLASS, STAINLESS STEEL. CUSTOMIZED



Site visit 3: Glass and Plastics





Glass Thickness 10 mm



₹ 25/ Square Feet

Glass Thickness 3 mm to 19 mm
Color Transparent
Pattern Plain
Usage/Application Table Tops, Shelves, Door
Windows, Frames, Home and Office Interiors

Glass Rectangular 2440 mm x 3660 mm

Thickness 20 MM



Rectangular







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Name of Program: B.Arch.

Name of Course: Building Services - II

Title of Assignment: Virtual Market survey for Electrical Material

Teaching methodology Adopted: Experiential Learning **Name of the faculty:** Sharmishtha Surajiwale, Tejas Pawar

Geetanjali Patil, Kiran Kadam

Academic Year: 2020-21

Semester: IV

Objectives	To understand and to develop a basic understanding of the relationship of materials to construction systems, through Market Survey .
Date /Duration of Activity	Artificial Lighting Market Survey on 24/03/2021 (3 hrs) BMS System on 16/05/2021 (3 hrs)
Venue	M.V.P.S's College of Architecture Building Material Suppliers
Student Attended	Second Year B. Arch
No of Students Present	73 (Div. A + B)





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Brief about the Program (Activity/Event)	 Under this course, second year students learn about Electrical Layout. They learn artificial lights, wiring methods, types of switch & sockets etc. Faculty of the subject explained about the materials in class lectures. The basic information about these materials was given along with their use, importance and joinery details. A virtual visit of Institute's Electrical laboratory was conducted. In this laboratory, various samples have been displayed for students' reference. Later the students were supposed to visit websites of various manufacturing companies to get the information about various materials available in the market, their qualities and use in electrical work, available varieties and respective rates Visits to supplier's shop could be done if the situation permits. The information collected by the students was in the form of brochures, photographs and handwritten notes. The students were supposed to study, analyse the collected information and prepare a chart or comparative sheet that gives an overview of all the materials at a glance
Students Outcome/Works example	Through this exercise, Students develop an idea about the properties of materials, they can compare and evaluate variety of materials available and choose appropriate material for a particular project.

Faculty in-charge

IQAC Co-ordinator
Maratha Vidya Prasarak
COLLEGE OF ARCHITECTURE

Nashik Approved by

Control of Architecture Nachik



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Sample Market Surveys





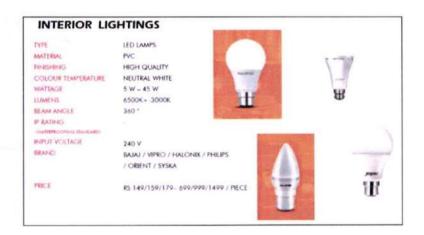






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Sample Market Surveys cont.



Lamps:

Type of Lamp	Lamp	Material	Colour Temperature	Wattage/ Lumens	Input Voltage	Founder	PRICE ₹/ piece
Incandescent Lamp	Ni	Airtight glass enclosure Filament of Tungsten wire	2700 K	150/2400	120 V		70
Tungsten Halogen lamps		 Fused silica quartz glass 	2900 K	29 W	240 V		750
Fluorescent lamps		Glass tube Mercury vapour, Argon, Xenon	3000 K	8-9 W	200-600 V	Peter Cooper Hewitt	700

Luminaries

Type of Lamp	Lam	p		M	aterial	Colour Temperature	Wattage/ Lumens	Input Voltage	Founder	PRICE ₹/ piece
Compact Fluorescent lamp (CFL)	U	1	Ŭ		Soda-lime glass Phosphor	Natual white-4500K Daylight-6000 K	8-9 W	60V	Edward E. Hammer	150
HID lamps	7		A	•	Krypton-85, Thorium	6000K		90V	Francis Hauksbee	20000
LED lamps	L	1			Semicondu ctors materials- gallium, arsenic, phosphoro us	4000K	60	• Red lamps- 1.8-3.3 V • Blue lamps- 3-3.3V	Nick Holonyak JR	83.50





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Sample Market Surveys cont.

BULLET CAMERA



CAMERA RESOLUTION	4 MP				
APPLICATION	MALL OFFICE ETC				
CAMERA STYLE	BULLET CAMERA				
VISION TYPE	DAYSNIGHT				
CAMERA TYPE	WIRED CAMERA				
LENS SIZE	3.6 mm				
PRICE	RS. 3500/ PIECE				

WIFI CAMERA



BRAND	BOSCH
APPLICATION	OUTDOOR
CAMERA TECHNOLOGY	IP CAMERA
CAMERA RESOLUTION	SMP
CAMERA RANGE	30 MTR
VISION TYPE	DAY & NIGHT
PRICE	RS. I.13 LAKH/ PIECE

BURGLAR ALRAM



BRAND	SKP WIRELESS				
TYPE					
ALARH RANGE	300 METERS				
MATERIAL	POWDER COATED STEEL BODY.				
USAGE	IDEAL SOLUTION TO ENSURE SAFETY OF YOUR BANK, OFFICE, SHOR HOUSE, STRONG ROOMS, STORES, FACTORIES				
SOUND LEVEL	85-100db				
PRICE	RS. 7.000/ PIECE				

FIRE ALRAM SYSTEM



BRAND	AIM-EX
AUTOMATION GRADE	SEMI-AUTOMATIC
BODY MATERIAL	PLASTIC, MILD STEEL
OPERATING VOLTAGE	18.5 - 30V DC
MAINS FUSE	T3.15AL250V
MINIMUM ORDER QUANTITY	I KIT
PRICE	RS. 10,000/ KIT

SMOKE ALARM SYSTEMS



APPLICATION	RESIDENTIAL INDUSTRIAL					
AUTOMATION GRADE	AUTOMATIC					
COLOR	GREY					
POWER SOURCE	24Vdc					
TEMPERATURE	0-50 Deg C					
ALARM CURRENT	4-20Ma					
DESIGN TYPE	ROUND					
PRICE	RS. 8000/ PIECE					

RFID GUARD PATROL SYSTEM



STORAGE	100000				
BATTERY BACKUP(IN HOURS)	8-10 HOURS				
DISPLAY TYPE	LED				
CONNECTIVITY TYPE	WIRELESS				
INTERFACES	MINI USB				
PRICE	RS. 12.900/ SET				





M.V.P.S's College of Architecture, Nashik

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1.3.3

Percentage of students undertaking project work/field work/internship (data for latest completed academic year)

AY 2020-2021

Third Year B. Arch Courses-

project work/field work/internship

Reports of courses				
Course Code	Course Title			
3201537[SV] [2015 Pattern]	Building Technology & Materials-V			
3201539[SS] [2015 Pattern]	Landscape Architecture - I			
3201547[SV] [2015 Pattern]	Building Technology & Materials-VI			
3201549[SS] [2015 Pattern]	Landscape Architecture - II			
3201550[SS] [2015 Pattern]	Building Services - IV			





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Name of Program: Bachelor of Architecture

Name of Course: Building Technology and Materials V

Title of Assignment: Online Market Survey

Teaching methodology Adopted: Experiential learning (Virtual)

Name of the faculty: Suruchi ranadive, Purva Shah, Gaurav Arbooj, Sagar

Sonawane

Academic Year: 2020-21 Semester: V

Objectives	 To make students aware of the latest materials required for interior work To explore market forms and measurement units of the materials requirements To understand market rates and application processes of different materials 					
Date /Duration of Activity	15th June 2020 to 11th August 2020					
Venue	M.V.P.S's College of Architecture					
Student Attended	Third Y. B. Arch					
No of Students Present	64					
Photograph/Video Available	Work samples available					





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Brief about the Program (Activity/Event)	Students are taught various materials needed in an interior project. All the materials are available in market for exploring and understanding. The students are asked to understand what are the market forms these construction materials, find out the unit of measurement and corresponding market rates. In the process students also understand the process of application and joining of various materials. Such exposure gives clarity while designing and detailing a project and preparing working drawings.
Students Outcome/Works example	PowerPoint presentations and A1 SHEETS listing specified materials, their market forms, market rates,

Prof. Suruchi Ranadive

Faculty in-charge

Prof, Arpita Bhat

Approved by (IQAC)

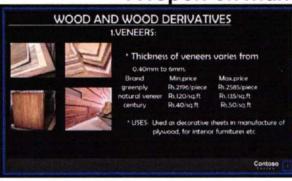
IQAC Co-ordinator
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik





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A report on Market Survey (Online)





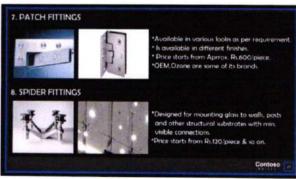










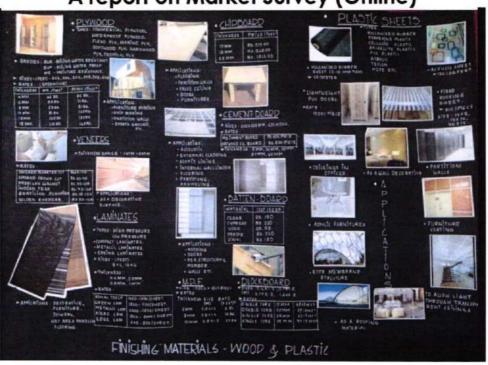


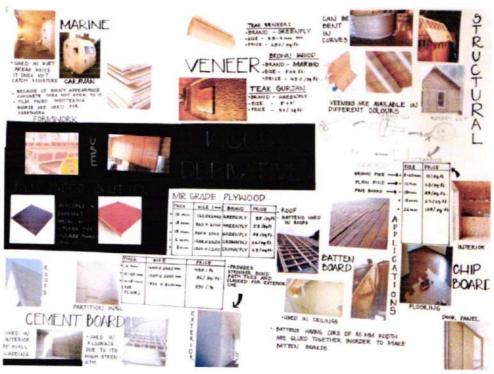




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A report on Market Survey (Online)









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Name of Program: Bachelor of Architecture

Name of Course: Building Technology and Materials V (3201536)

Title of Assignment: Design and detailing of Partitions, Panelling & Furniture

Teaching methodology Adopted: Experiential Learing through virtual site visit

Name of the faculty: Suruchi Ranadive, Purva Shah, Gaurav Arbooj, Sagar

Sonawane,

Academic Year: 2020-21 Semester: V

Objectives	To solve design problem by understanding materials and technology of assembling interior elements like partitions, suspended ceiling, furniture units.				
Date /Duration of Activity	10/08/2020 – 23/11/2020 (16 week)				
Venue	M.V.P.S's College of Architecture				
Student Attended	Third Year B. Arch				
No of Students Present	92				
Photograph/Video Available	Submission Available - Student work sheets				





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	Students solve design problem and make construction details of following interior elements: Students are expected to gather data from online market survey. Faculty had showed site execution videos to the students for better understanding about how the assembly is done for following topics.			
Brief about the Program (Activity/Event)	Partitions and Paneling Design and construction details of demountable partition construction using proprietary and non-proprietary systems using non-timber materials. Design and construction details of Proprietary and nonproprietary systems of paneling in various materials			
	Suspended Ceiling Design and construction details of Suspended ceiling construction using proprietary and non-proprietary systems using various materials			
	Furniture Design and assembly Design and construction details of furniture for residential, commercial, office buildings and assembly details using timber and other material along with finishing and upholstery.excavation stage, substructure, superstructure etc.			
Students Outcome/Works example	Understand of design and construction detailing process of interior elements: Partitions and Paneling, Suspended Ceiling and Furniture Design and assembly			

Faculty in-charge

IQAC Co-ordinator Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE Nashik

Approved by (IQAC)

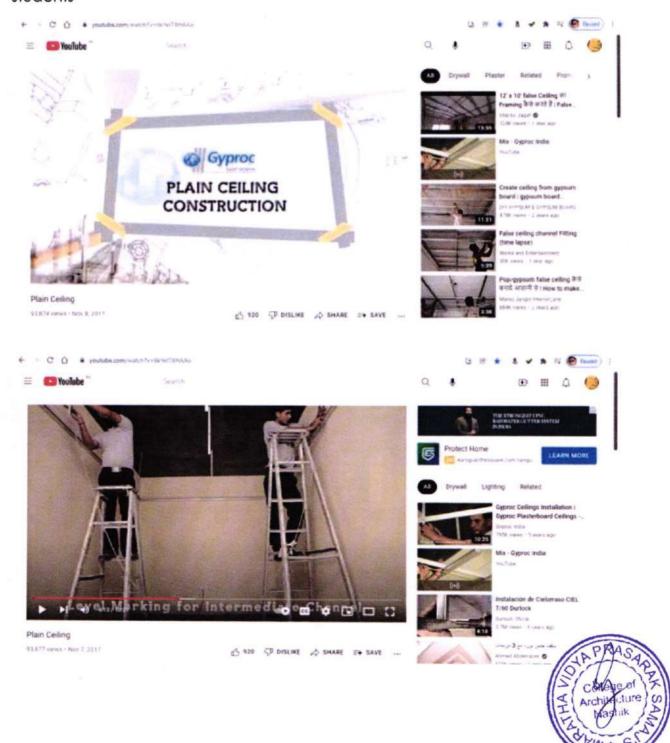




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A report on Design and detailing of Partitions, Paneling & Furniture

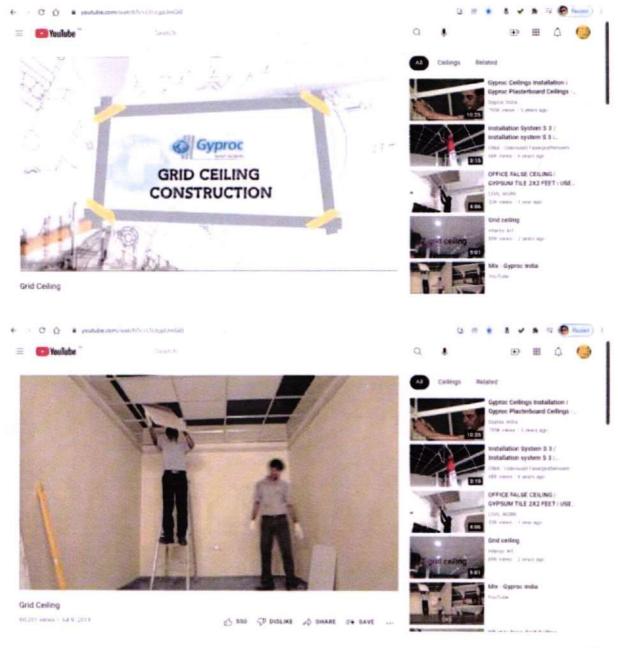
The link https://www.youtube.com/watch?v=6kYeITXHAAo is shared with the students





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The link https://www.youtube.com/watch?v=L5UcjpUmGI0 is shared with the students

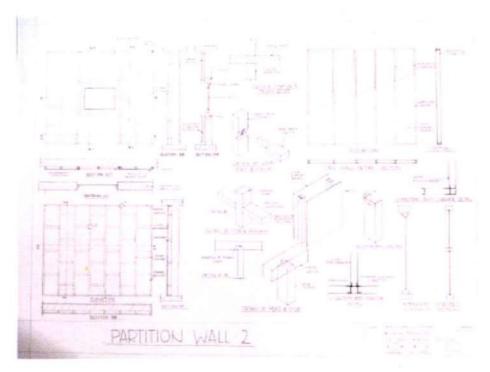


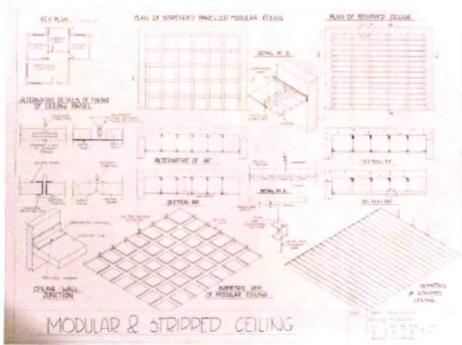




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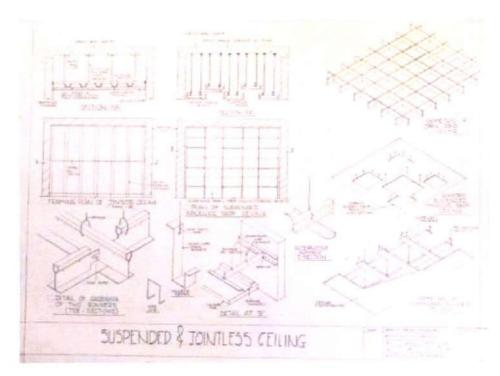


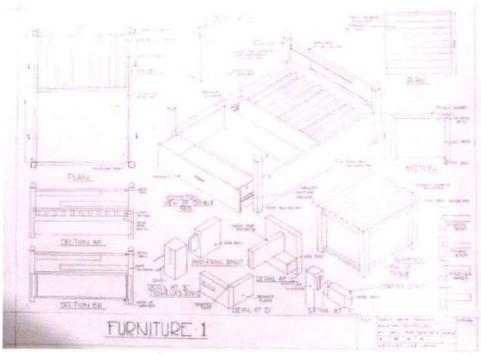




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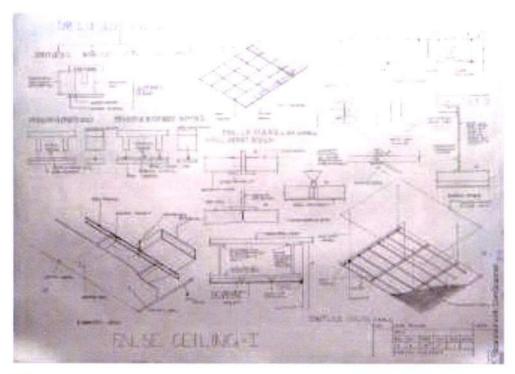
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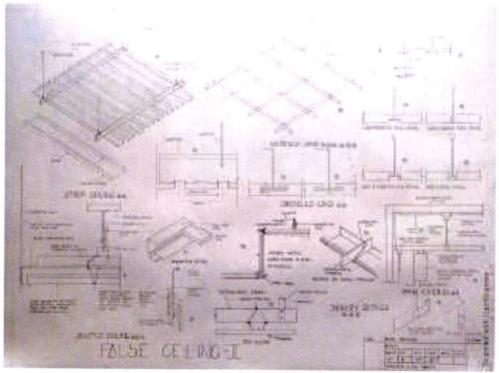






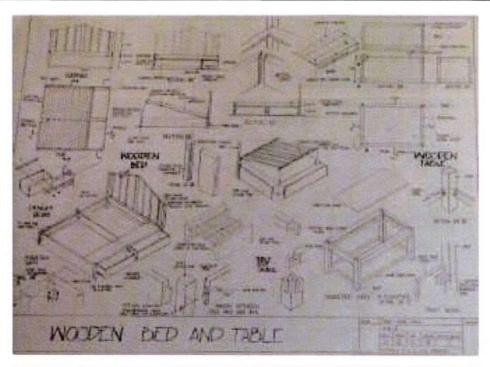


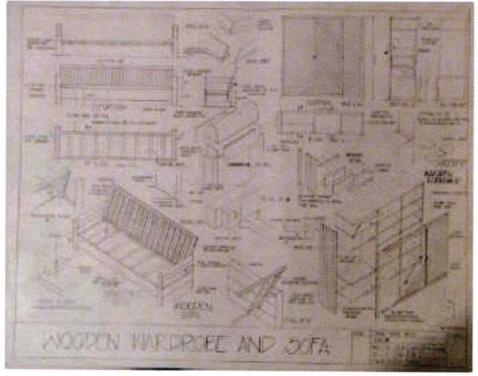






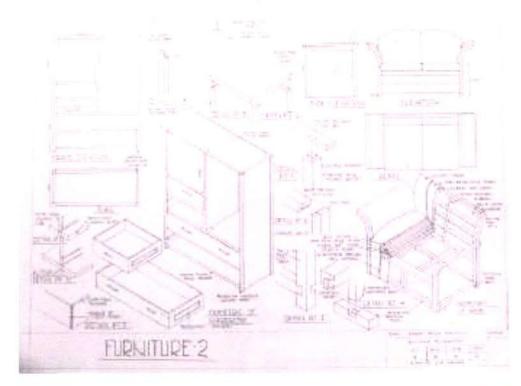


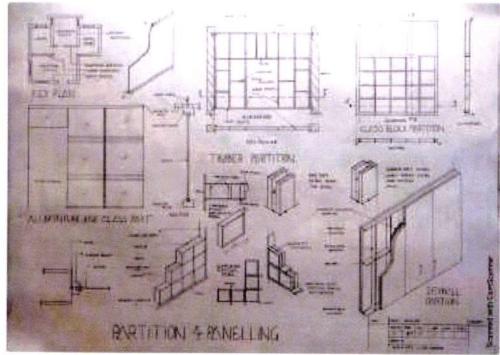
















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Name of Program

: Bachelor of architecture

Name of Course

: Landscape Architecture I (3201539)

Title of Assignment

: Herbarium

Teaching methodology Adopted: Experiential Learning

Name of the faculty

: Nandan Malani, Gaurav Arbooj, Tejas Pawar,

Ketki Pathak.

Academic Year: 2020-21

Semester: V

Objectives	 To understand characteristics and uses of various Plant material. To generate data of various plants for Landscape design. 				
Date /Duration of Activity	04/12/2020 – 18/12/2020 (2 weeks)				
Venue	M.V.P.S's College of Architecture				
Student Attended	Third Year B. Arch				
No of Students Present	92				
Photograph/Video Available	Student work sheets				





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Brief about the Program (Activity/Event)	Students make detailed sheet of Herbarium: 5 No. of A3 SHEETS in given standard format for following types: SHEET 1: TREE SHEET 2: PLANT SHEET 3: SHRUB SHEET 4: GROUND COVER SHEET 5: CLIMBERS Student's collect following information: Botanical name and common name along with their family, availability as per context, diseases, cost, care required, bark colour, bark texture, propagation, foliage texture, foliage type, growth, sun condition required, form, soil required, appearance, etc.
Students Outcome/Works example	Experiential learning of above mentioned characteristics helps students to make appropriate landscape design decisions in their design proposals.

25%

Faculty in-charge

IQAC Co-ordinator
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE

Approved by

(IQAC)



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A report on Herbarium

Standards format for data collection and students sample works:

	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
	□ Easy	C Low	□ Low	□ Low	0 Seed	□ Rocky	D Deciduous	□ January
FAMILY	□ Average	□ Medium	□ Medium	□ Medium	□ Cutting	□ Sandy	□ Evergreen	□ February
ORIGIN	D Difficult	D High	□ High	□ High	D Layers	□ Loamy		□ March
SPREAD				-	FOILAGE TEXTURE	FORM	COLOURS	O April
					□ Light	□ Honzontal	D Blue	□ May
					D Dense	□ Climbing	□ Purpe	D June
					D Clusters	o Umberila	□ White	D July
_					□ Bold	□ Spreading	□ Pink	O August
					□ Delicate	□ Irregular	□ Red	□ September
					GROWTH	□ Pyramid	□ Orange	□ October
					n Slow	□ 5piky	D Yellow	□ November
					□ Average	□ Pendilous	□ Green	□ December
					D Fast	□ Upnght	□ Cream	
INTEREST	BARK COLOR	BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	PRECEPITATION	FOILAGE COLOR	VALUES
□ Form	□ Dark grey	□ Smooth	□ Oval	O Delicate	D Half sun	□ Low	□ Blue	o Functional
ti Leaf	☐ Greenish yellow	E Corous	D Rounde	n Bold	d Full son	□ Medium	□ Purpe	D Commercial
□ Foilage	D Dark green	o Scales	□ Needle	D Light	D Full shade	O High	□ Light green	D Aesthetical
D Fruit-seed	D Light green	D Rugged	□ Linear	□ Dense	NOTES :		D Dark green	D Ecological
□Bark	Dark brown						□ Yellow	The second secon
□ Flowenng	□ Light brown							1
□ Steam	□ Black							
			-			NAME:		
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R LA	NT HE	KDAR	LUN	1	ROLL NO. :			
						DATE:		

	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
Saraca asoca	ar £asy	₽ Low	e Low	≥ Low	■ Seed	& Rocky	□ Deciduous	□ January
FAMILY FABACEAE	□ Average	□ Medium	□ Medium	□ Medium	□ Cutting	□ Sandy		₽ February
ORIGIN CENTRAL INDIA	⊐ Difficult	□ High	□ High	□ High	□ Layers	□ Loamy		■ March
SPREAD				WI DE	FOILAGE TEXTURE	FORM	COLOURS	e April
TREE					□ Light	□ Honzontal	□ Blue	□ May
(0)//====		100			@ Dense	G-Climbing	□ Purple	□ June
		Base			□ Clusters	□ Umberlla	□ White	□ July
		AL ANDREW			□ Bold	□ Spreading	□ Pink	□ August
					□ Delicate	□ Imegular	□ Red	□ September
		77/4			GROWTH	□ Pyramid	□ Orange	□ October
		E WAS			□ Slow	□ Spiky	□ Yellow	□ November
	THE REAL PROPERTY.	a di			■ Average	□ Pendilous	≝ Green	□ December
				32 335	n Fast	□ Upright	□ Cream	
INTEREST	BARK COLOR	BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	PRECEPITATION	FOILAGE COLOR	VALUES
₽ Form	□ Dark grey	≅ Smooth	□ Oval	□ Delicate	≅ Half sun	□ Low	□ Blue	@Functional
□ Leaf	☐ Greenish yellow	□ Corous	□ Rounded	□ Bold	□ Full sun	■ Medium	□ Purple	O Commercial
□ Foilage	a Dark green	□ Scales	≥ Needle	□ Light	& Full shade	□ High	□ Light green	D Aesthetical
□ Fruit- seed	□ Light green	□ Rugged	□ Linear	■ Dense	NOTES :		₽ Dark green	□ Ecological
DBark	□ Dark brown						□ Yellow	4
□ Flowenng	☐ Light brown							
Steam	□ Black							

DATE: 04-12-2020



Aprajita	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
Clitoria ternatea	₽ Easy	₩ Low	□ Low	□ Low	≅ Seed	₽ Racky	□ Deciduous	□ January
FAMILY Fabacaeae	□ Average	□ Medium	□ Medium	□ Medium	□ Cutting	□ Sandy	■ Evergreen	□ February
ORIGIN Asia	□ Difficult	□ High	□ High	₽ High	□ Layers	□ Loamy		O March
SPREAD		VIE VE	1	STATE	FOILAGE TEXTURE	FORM	COLOURS	□ April
CLIMBERS		201	100		□ Light	□ Honzontal	a Blue	□ May
		1	2		□ Dense	□ Climbing	□ Purple	a June
	- 9	1 0	12		≅ Clusters	□ Umberlla	□ White	□ July
		G	WY T	9	□ Bold	■ Spreading	□ Pink	□ August
					□ Delicate	□ Irregular	□ Red	□ September
					GROWTH	□ Pyramid	□ Orange	□ October
			7		□ Slow	□ Spiky	□ Yellow	n November
					□ Average	□ Pendilous	□ Green	□ December
					□ Fast	□ Upnght	□ Cream	
INTEREST	BARK COLOR	BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	PRECEPITATION	FOILAGE COLOR	VALUES
□ Form	□ Dark grey	≅Smooth	■ Oval	□ Delicate	≅ Half sun	■ Low	□ Blue	□ Functional
□ Leaf	I Greenish yellow	□ Corous	□ Rounde	□ Bold	₽ Full sun	□ Medium	□ Purple	□ Commercial
□ Foilage	₃ Dark green	□ Scales	□ Needle	■ Light	□ Full shade	□ High	Light green	* Aesthetical
□ Fruit- seed	☐ Light green	□ Rugged	□ Linear	□ Dense	NOTES:		□ Dark green	□ Ecological
□Bark.	□ Dark brown						□ Yellow	
Flowenna	☐ Light brown							
□ Steam	□ Black							
PLANT HERBARIUM						NAME: RUSHIKESH SATISH THAKARE B. ARCH 3rd YEAR		
五山州				_		ROLL NO. :		
						DATE: 04-12-20	020	

VERBENA	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
VERBENA OFFICINAILS	□ Easy	□ Low	□ Low	□ Low	≅ Seed	□ Rocky	□ Deciduous	⊕ January
FAMILY VERBENACEA	⊋ Average	Medium M	■ Medium	→ Medium	□ Cutting	□ Sandy	■ Evergreen	a february €
ORIGIN Americas /Asia	□ Difficult	□ High	□ High	□ High	ti Layers	■ Loamy		≅ March
SPREAD	TO THE				FOILAGE TEXTURE	FORM	COLOURS	≅ Apni
GROUND COVER		STATE			ar Light	□ Honzontal	a Blue	æ May
	4		5		□ Dense	□ Climbing	a Purple	June
	9	34500			u Clusters	□ Umberlla	₩ hite	□ July
		9			ti Bold	■ Spreading	@ Pink	■ August
	4				D Delicate	□ Irregular	# Red	September
		THE REAL PROPERTY.	TO .		GROWTH	□ Pyramid	□ Orange	■ October
			40		□ Slow	□ Spiky	□ Yellow	November
					□ Average	□ Pendilous	□ Green	□ December
		-		San	₽ Fast	□ Upnght	□ Cream	
INTEREST		BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	PRECEPITATION	FOILAGE COLOR	VALUES
₽ Form	□ Dark grey	≅ Smooth	□ Oval	□ Delicate	er Half sun	@*Low	■ Blue	□ Functional
■ Leaf	☐ Greenish yellow	□ Corous	□ Rounded	□ Bold	Full sun	□ Medium	□ Purple	□ Commercial
□ Foilage	□ Dark green	□ Scales	□ Needle	≥ Light	□ Full shade	□ High	■ Light green	■ Aesthetical
□ Fruit-seed	₹ Light green	□ Rugged	□ Linear	□ Dense	NOTES:		Dark green	□ Ecological
□Bark	□ Dark brown						□ Yellow	
Flowenna	□ Light brown							
🗆 Steam	∃ Black							
						NAME: RUSHIK	ESH SATISH THAKAI	RE
PLAN	THIN	•		B. ARCH 3rd YEA				
				•		ROLL NO. :		
						DATE: 04-12-20	220	





SHRUB VERBANAS	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
LANTANA	□ Easy	□ Low	□ Low	□ Low	#Seed	□ Rocky	D Deciduous	G January
FAMILY VERBENACEA	₃-Average	⊯ Medium	□ Medium	□ Medium	□ Cutting	□ Sandy	Evergreen	□ February
ORIGIN America/Africa	□ Difficult	□ High	1 High	□ High	□ Layers	⊡ Loamy		■ March
SPREAD	100 Marie	Will by Carlo		O existing	FOILAGE TEXTURE	FORM	COLOURS	@ April
SHRUB			1	1223	□ Light	□ Honzontal	□ Blue	™ May
					□ Dense	□ Climbing	Purple	June
	医子放 点点	~	200		Clusters	@ Umberlla	□ White	□ July
	0	COLUMN TO			□ Bold	□ Spreading	D Pink	G August
			133	TANK SE	□ Delicate	□ Irregular	₽ Red	@ September
	E	25	3	SHOOT P	GROWTH	□ Pyramid	™ Orange	■ October
		7			□ Slow	□ Spiky	≅ Yellow	■ November
					□ Average	□ Pendilous	□ Green	■ December
		ME N SIE		W-1	or fast	□ Upnght	□ Cream	
INTEREST	BARK COLOR	BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	PRECEPITATION	FOILAGE COLOR	VALUES
Form	□ Dark grey	≅ Smooth	■Oval	□ Delicate	≅ Half sun	5-Low	□ Blue	□ Functional
□ Leaf	☐ Greenish yellow	□ Corous	□ Rounde	□ Bold	Full sun	□ Medium	■ Purple	□ Commercia
□ Foilage	→ Dark green	□ Scales	□ Needle	2 Light	□ Full shade	□ High	□ Light green	@ Aesthetical
□ Fruit- seed	□ Light green	□ Rugged	🗆 Linear	□ Dense	NOTES :		Dark green	□ Ecological
□Bark	□ Dark brown						™ Yellow	
Flowenng	☐ Light brown							
□ Steam	⊃ Black							
		X				NAME: RUSHIK	ESH SATISH THAKA	RE
DTAI		D TR A TR	-	•		B. ARCH 3rd YEA	R	
LLA	PLANT HERBARIUM					ROLL NO. :		
	DATE: 04-12-2020						020	

CHAFA	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
Plumeria	≇ Easy	□ Low	■ Low	□ Low	□ Seed	B Rocky	₩ Deciduous	■ January
FAMILY Apocynaceae	□ Average	a Medium	□ Medium	■ Medium	⊕ Cutting	■ Sandy	□ Evergreen	■ February
ORIGIN INDIA	∃ Difficult	□ High	□ High	O High	□ Layers	□ Loamy	1777	■ March
SPREAD			of Every		FOILAGE TEXTURE	FORM	COLOURS	₽ April
PLANT	10	11-11	1		□ Light	□ Honzontal	D Blue	B-May
	11	10	B. I		□ Dense	□ Climbing	□ Purple	₩ June
	279	V.A 1 -4			o Clusters	© Umberlla	D White	₽ July
		11/2	1		■ Bold	D Spreading	⊕ Pink	August
	Billion -				□ Delicate	D Imegular	B Red	September
		¥ -	-		GROWTH	□ Pyramid	□ Orange	□ October
	1		1		□ Slow	D Spiky	@Yellow	■ November
					□ Average	D Pendilous	□ Green	■ December
		32 3		1	₽ Fast	D Upnght	□ Cream	
INTEREST	BARK COLOR	BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	PRECEPITATION	FOILAGE COLOR	VALUES
B Form	□ Dark grey	□ Smooth	■ Oval	₩ Delicate	□ Half sun	@ Low	□ Blue	@ Functional
□ Leaf	☐ Greensh yellow	□ Corous	□ Rounde	🗆 Bold	₽ Full sun	D Medium	□ Purple	D Commercial
□ Foilage	₹ Dark green	□ Scales	□ Needle	O Light	□ Full shade	D High	ar Light green	■ Aesthetical
□ Fruit- seed	⊋ Light green	□ Rugged	□ Linear	Dense	NOTES :		■ Dark green	D Ecological
DBark DBark	□ Dark brown						□ Yellow	,
Flowenna	□ Light brown							1
5 Steam	□ Black							
				•		NAME: RUSHIK	ESH SATISH THAKAI	RE
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DTAI		D TO A TO	-	•		B. ARCH 3rd YEA	R	
PLAI	T HE	RBAR	IUM	•		B. ARCH 3rd YEA ROLL NO. :	R	





GOLDEN RAIN	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
TREE CIREED		The state of the s	100 March 1997	II Low	w Seed	a Rocky	Deciduous	© January
AMILY SPINDACEAE	D Average		Medum!	7-14-1-1	The second secon	n Sandy	D Evergreen	□ February
DRIGINOHIMA, JAPAN	Difficult	the state of the s	The second second	n thah	© Layers	er Loumy	20	e March
SPREAD	A AL			-	FOILAGE TEXTURE		COLOURS	≝ Apni
SIZERANGE - MEDICA	A CONTRACTOR OF THE PARTY OF TH		GIRTH(3	10-40ft)	D Light	□ Honzontal	a Blue	€ May
TREE (25-50 PL)			2 × 3 ·	ni.	ri Dense	□ Climbine	2 Purple	© June
HEIGHT AND WIDTH		2 The		1	n Clusters	2 Umberla	□ White	D July
30 40 Ft HIGH			District.	2.0	a Bold	© Spreading	₽'Pink	n August
AND WIDE			53 No	MY HT	D Delicate	II Imegular	o Red	o September
Control of Children (1904)		2500	大学学	150 40A	GROWTH	D Pyramid	© Orange	D October
		Co See	NA.	7	□ Slow	o Spiky	e Yellow	□ November
		J	SAL SAL		er Average	a Pendilaus	e Green	□ December
		E			er Fast	D Upright	□ Cream	
INTEREST	BARK COLOR	BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	PRECEPITATION	FOILAGE COLOR	VALUES
ti Fomi	#Dark grey	D Smooth	ti Oval	o Delicate	cu thatf our	PLOW	□ Blue	e Functional
er Leaf	Greenish yellow	a Carous	a Rounde	₽ Bold	Full sun	o Medium	o Purple	& Commercial
e*Follage	Dark green	D Scales	* Needle	O Light	o Full shade	a High	□ Light green	*Aesthetical
Offruit seed	□ Light green	*Rugged	D Linear	D Dense	NOTES: USES: 5		Dark green	D Ecological
DBark .	D Dark brown				3):	PECIMEN .	S'Yellow	
₽'Flowenna	D Light brown							
o Steam	D Black					400		
PLA	T HE	RBAR	IUN	4		NAME: VAISH B. ARCH 3rd YEA ROLL NO.: 19 DATE: 15-12-1		

RHEO SPATHACIA	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
(PLANT)	Misoy	O LOW	o Low	ti Low	₩ Seed	a Rocky	□ Deciduous	e'January
AMILY SPIDER WORLS	□ Average	o Medium	D Medium	□ Medium	e Cutting	o Sandy	₽£vergreen	of February
DRIGIN TPOPICAL AMERICA		E High	o High	o High	& Lavers	eLoamy		er March
SPREAD	SPREAD-	SFE A		1 1	FOILAGE TEXTURE	FORM	COLOURS	e April
PLANT SPOLAD-	-5	1			e Light	□ Honzontal	o Blue	€ May
(5 in /13 cm)		1 1			a Dense	□ Climbing	Purple	d June
Somoved mess Sv.	11/1/	12			□ Clusters	□ Umberlia	□ White	& July
PLANT HEIGHT -	1 X	1-3		N.L	□ Bold	Spreading	□ Pink	M August
12 (IN) / 30 CM					© Delicate	□ Irregular	c Red	≝ September
	1 A				GROWTH	© Pyramid	© Orange	of October
	TO VI		18/		e Slow	a Spiky	Se (ellow	✓ November
	18	54			□ Average	□ Pendilous	Green	d December
	00	T			D Fast	□ Upnght	□ Cream	
INTEREST	BARK COLOR	BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	PRECEPITATION	FOILAGE COLOR	VALUES
Form	D Dark grey	□ Smooth	⊔ Oval	ti Delicate	O Half son	D Low	□ Blue	© Functional
a Leaf	ti Greenish yellow	D Carous	□ Rounded	n Bold	ofull sun	Medium	□ Purple	□ Commercial
		in Constant	V Needle	OrLight .	C Full shade	□ High	□ Light green	Aesthetical
a Follage	Dark green	□ Scales	a constant		THE RESERVE OF THE PARTY OF THE			
	CONTRACTOR MANAGEMENT	D Rugged	R'Linear	ti Dense	NOTES: USE-THE	PLANT	P Dark green	D Ecological
	CONTRACTOR MANAGEMENT		The second second	n Dense	NOTES : USE - THE	EXCELLENT	n Yellow	to Ecological
o Fruit seed oBark	D Light green		The second second	n Dense	NOTES: USE-THE PROVED TO BE GROWNO COV	EXCELLENT ERING PLANT ERFECT	n Yellow	D Ecological
D Fruit seed DBark D Flowening	D Light green P Dark brown		The second second	n Dense	NOTES: USE-THE PROVED TO BE	EXCELLENT ERING PLANT ERFECT	n Yellow	ti Ecological
i Fruit seed iBark i Flowening	D Light green P Dark brown D Light brown		The second second	n Dense	NOTES: USE-THE PROVED TO BE GROWNO COV	EXCELLENT ERING PLANT ERFECT SKET PLANT.	n Yellow	
D Fruit seed DBark D Flowening D Steam	□ Light green e Dark brown □ Light brown □ Black	□ Rugged	sr Linear		NOTES: USE-THE PROVED TO BE GROWNO COV	EXCELLENT ERING PLANT ERFECT SKET PLANT.	Yellow	
D Fruit seed DBark D Flowening D Steam	D Light green P Dark brown D Light brown	□ Rugged	sr Linear		NOTES: USE-THE PROVED TO BE GROWNO COV	EXCELLENT ERING PLANT ERFECT SKET PLANT. NAME: VAIGH	Yellow	





PLUMERIA OBTUSA	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
(SHRUB)(SHRUB)	C1.150	Glow	ti Low	atow	D Seed	a-Rocky	Deciduous	ti January
FAMILY APOCYNACEAE	LI Average	erMedium	Medium	ti Medium	Cuttina .	o Sandy	D Evergreen	PFebruary.
ORIGINOCUTH AMERICA	tr Difficult		D High	E High	© Lavero	□ Loamy		March
SPREAD					FOILAGE TEXTURE	FORM	COLOURS	L'April
PLANT HEIGHT-15A		-W			# Light	D Honzontal	□ Blue	≝ May
		000			© Dense	Climbing	□ Purple	e June
PLANT SPREAD-2FE	The state of the s			-	a Clusters	□ Umberlia	White	a July
		- T			□ Bold	s-Spreading	□ Pink	□ August
	1	> X	7		□ Delicate	O Irregular	□ Red	a September
	1		7		GROWTH	D Pyramid	□ Orange	□ October
		-		PLUMERIA	a Slow	a Spiky	□ Yellow	© November
		-	1	- WWEK	d Average	ti Pendilous	er Green	a December
			4		te Past	er Upnght	□ Cream	
INTEREST	BARK COLOR	BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	PRECEPITATION	FOILAGE COLOR	VALUES
a-form	D Dark grey	e-Smooth	e Oval	o Delicate	Pftall out	191ow	a Blue	□ functional
art.eai	Greenish yellow	□ Corous	n Rounde	E Bold	E Full sun	□ Medium	© Purple	B Commercial
D Folage	Dark green	D Scales	□ Needle	D Light	a Full shade	C High	Light green	*Aesthetical
D Fruit- seed	D Light green	D Rugged	o Linear	n Dense	NOTES : USES :	MEDICINAL,	□ Dark green	*Ecological
oBark	e Dark brown				GCOO FRAGNI	ANICE,	© Yellow	
Flowenna	□ Light brown				ALSTHETICALL	TAPPEALING		122 3
D Steam	o Black	Tex 1				* (E) D		
			711/			NAME: VAISH	INAVI-RAUT	
	THE	D TO A TO	-	4		B. ARCH 3rd YEA	IR	To the Sale
PLAN	I HE	DAN	LUM	_		ROLL NO.: 19		
						DATE: 15-12-2	10.	

VERBENA GROUND	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
COVER	D Easy	O Low	O Low	atow	arseed	D Rocky	n Deciduové	D January
FAMILY VERBENACEAE	28 Average	D Medium	o Medium	D Medium	The state of the s		*Everareen	o February
ORIGIN ASIA, AMERICA	a Difficult	21tigh		o High		Ga Loamy	200000000000000000000000000000000000000	© March
SPREAD		A AAA	-	-	FOILAGE TEXTURE		COLOURS	□ April
HEIGHT-IFOOTOR	_ 0,9				□ Light	D Honzontal	□ Blue	o May
LE55	~	1000			D Dense	D Climbing	Purple	D June
SPREAD - 2 TOSFT	eal state	T AND ACC	Sa		©'Clusters	□ Umberlla	O White	*July
	Tradition N		200		ti Bold	D Spreading	□ Pink	& August
	English Challe		75		ti Delicate	🗆 Imegular	e Red	er September
	100 A				GROWTH	D Pyramid	© Orange	@ October
	SA SHOW	A ENG	14		n Stow	a 5piky	□ Yellow	D November
	SO SW	SERVICE TO	0		D Average	© Pendilous	№ Green	n December
	-	STATE OF THE PARTY			o Fast	O Upnght	D Cream	
INTEREST	BARK COLOR	BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	PRECEPITATION	FOILAGE COLOR	VALUES
o-form.	D Dark grey	□ Smooth	D Oval	₽ Delicate	D Half sun	II Low	a Blue	a Functional
Pteaf	Greenish yellow	v S Corous	D Rounde	D Bold	e Full sun	Medium	o-Purple	□ Commercial
O Foilage	Dark green	o Scales	D Needle	D Light	□ Full shade	□ High	O Light green	@ Acsthetical
D Fruit-seed	a Light green	D Rugged	ortinear	□ Dense	NOTES : GROW A	5 BUSHES,	D Dark green	o Ecological
DBark	Dark brown					ROMO COVER,		San Line
aflowenng	D Light brown					OWIERS BLOCK		
o Steam	n Black				THROUGHT THE	YEAR.		
PLAN	THE	RBAB	IUN	4		B. ARCH 3rd YEAROLL NO.: 19	INAVI - RAUT	
					1	DATE: 15 12	The second second	





SIAR JASMINE	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
(CUMBER)	or Easy	D Low	@Low	CLOW	n Seed	a Rocky	□ Deciduous	C January
FAMILY DOG BALLES	□ Average	∠Medium	□ Medium	□ Medium	ar Cutting	□ Sandy	e Evergreen	@ February
ORIGIN EAST & SOUTH ASM	D Difficult	D High	O High	o High	□ Layers	atoamy		#March
SPREAD					FOILAGE TEXTURE	FORM	COLOURS	arApni
GROWTH HEIGHT-			d. 4		O Light	□ Honzontal	□ Blue	© May
3MHI6H		S MEN	1		□ Dense	er Climbing	□ Purple	er June
- 2' to 30' long vire	1	-	6	V	a-Clusters	u Umberlla	e-White	□ July
can be trained	14	V.	Free	. 00	□ Bold	© Spreading	□ Pink	□ August
witically or out	90	- 1×	. and	4.0	□ Delicate	□ Irregular	D Red	O September
as a ground		R	N	6	GROWTH	□ Pyramid	□ Orange	□ October
could.	3	2 65	15	j .	II Slow	a Spiky	□ Yellow	□ November
		28000	Sold a	8	□ Average	a Pendilous	□ Green	□ December
	all a		-0 -0		o-Fast	□ Upright	c Cream	
INTEREST	BARK COLOR	BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	PRECEPITATION	FOILAGE COLOR	VALUES
2Form	Dark grey	Smooth	© *Oval	Delicate	to Half sun	□ Low	a Blue	□ Functional
a Leaf	C Greenish yellow	□ Corous	□ Rounde	□ Bold	to Full sun	Medium	O Purple	e Commercial
□ Foilage	Dark green	n Scales	a Needle	E Light	□ full shade	□ High	□ Light green	Aesthetical
□ Fruit- seed	ELight green	□ Rugged	□ Linear	□ Dense	NOTES : USE D		ar Dark green	□ Ecological
oBark .	D Dark brown	- Gizi-vi			PERFU	MERY, KINALVAWE	□ Yellow	
e Flowering	D Light brown				AESTHE	TICPURPOSES		
D Steam	D Black				0.136.366.66			
						NAME: VAIGH	MAVI . RAUT .	
DIAN	THE	RAR	THE	4		B. ARCH 3rd YEA	R	
LLAN	人 人工工工	A DAM AN				ROLL NO.: 19		
					1	DATE: 15-12-20		

LITRUS LIMON	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
	& Easy	D Low	& Low	DLow	□ Seed	D Rocky	D Deciduous	pr January
LEMON TREE	D Average	D Medium	D Medium	Medium	D Cutting	e Sandy	z Evergreen	o February
ORIGIN SOUTH AISA	D Difficult	O High	O High	D High	D Layers	DLoamy		□ March
SPREAD	st.			-	FOILAGE TEXTURE	-	COLOURS	□ Apnl
		And the	Dt.		O Light	□ Honzontal	□ Blue	□ May
- alasia	1000	14.6	Maria.		Ø Dense	O Climbing	a Purple	Jø June
62		48000000000000000000000000000000000000	3864		a Clusters	D Umberlia	a White	D July
	3				□ Bold	ø Spreading	□ Pink	D August
The state of the s	800				o Delicate	O Irregular	n Red	of September
AR 5	,	No. of Contract of	2		GROWTH	D Pyramid	□ Orange	D October
		V			o Slow	o Spiky	er Yellow	□ November
A C TOLL		N.	R.	1	d'Average	□ Pendilous	□ Green	□ December
	1	- 4		•	D Fast	11 11		
					D L 42f	upngnt	D Cream	
INTEREST	BARK COLOR	BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	PRECEPITATION	FOILAGE COLOR	VALUES
7.355	BARK COLOR Dark grey	BARK TEXTURE	LEAF D Oval		CONDITIONS		And the second second	VALUES D'Functional
G Form		□ Smooth		o Delicate	CONDITIONS D Half sun	PRECEPITATION	FOILAGE COLOR	
D Form D Leaf D Forlage	Dark grey	□ Smooth Ø Corous	D Oval of Rounded	□ Delicate □ Bold	CONDITIONS Di Half sun Full sun	PRECEPITATION Low Medium	FOILAGE COLOR Blue	Drunctional
o form o Leaf o Foilage affruit-seed	Dark grey Greenish yellow Dark green	□ Smooth	□ Oval ⊌ Rounded □ Needle	Delicate Delicate Delicate Delicate	CONDITIONS Di Half sun Full sun	PRECEPITATION Low Medium High	FOILAGE COLOR Blue Purple	Defunctional Defunctional
o form o Leaf o Foilage affruit-seed	Dark grey Greenish yellow Dark green	□ Smooth p'Corous □ Scales	□ Oval ⊌ Rounded □ Needle	Delicate Delicate Delicate Delicate	CONDITIONS Half sun Full sun Full shade NOTES: Lemon (PRECEPITATION Low Medium High s very nich	FOILAGE COLOR Blue Purple Chight green	D Functional D Commercial D Aesthetical
O Form D Leaf D Forlage B'Fruit- seed DBark D Flowening	Dark grey Greenish yellow Dark green Light green	□ Smooth p'Corous □ Scales	□ Oval ⊌ Rounded □ Needle	Delicate Delicate Delicate Delicate	CONDITIONS Half sun Full sun Full shade NOTES: Lemon (in Vitomain Cosoil ptt between	PRECEPITATION Low Medium High s very nich	FOILAGE COLOR Blue Purple Clight green Dark green	D Functional D Commercial D Aesthetical
INTEREST D Form D Leaf D Forlage A Truit- seed DBark D Flowening D Steam	□ Dark grey □ Greenish yellow □ Dark green □ Light green □ Dark brown	□ Smooth p'Corous □ Scales	□ Oval ⊌ Rounded □ Needle	Delicate Delicate Delicate Delicate	CONDITIONS Half sun Full sun Full shade NOTES: Lemon (PRECEPITATION Low Medium High s very nich	FOILAGE COLOR Blue Purple Clight green Dark green	D Functional D Commercial D Aesthetical
O Form D Leaf D Forlage B'Fruit- seed DBark D Flowening	Dark grey Greenish yellow Dark green Light green Thank brown Light brown Light brown	□ Smooth p'Corous □ Scales	□ Oval ⊌ Rounded □ Needle	Delicate Delicate Delicate Delicate	CONDITIONS Half sun Full sun Full shade NOTES: Lemon (in Vitamin C soil ptt between 6.5)	PRECEPITATION Low Medium High s very nich	FOILAGE COLOR Blue Purple Clight green Dark green Yellow	□ Functional □ Commercial □ Aesthetical □ Ecological
D Form D Leaf D Forlage R'Pruit-seed DBark D Flowening D Steam	□ Dark grey □ Greenish yellow □ Dark green □ Light green □ Dark brown □ Light brown □ Light brown □ Black	□ Smooth Ø Corous □ Scales Ø Rugged	□ Oval ⊮ Rounded □ Needle □ Linear	□ Delicate □ Bold □ Light ☑ Dense	CONDITIONS Half sun Full sun Full shade NOTES: Lemon (in Vitania C soil ptt between 6.5)	PRECEPITATION Low Medium High svery rich en 55 And	FOILAGE COLOR Display Purple Plight green Dark green Yellow HIT RAMTE	□ Functional □ Commercial □ Aesthetical □ Ecological
D Form D Leaf D Forlage B*Truit-seed DBark D Flowening D Steam	Dark grey Greenish yellow Dark green Light green Thank brown Light brown Light brown	□ Smooth Ø Corous □ Scales Ø Rugged	□ Oval ⊮ Rounded □ Needle □ Linear	□ Delicate □ Bold □ Light ☑ Dense	CONDITIONS Half sun Full sun Full shade NOTES: Lemon (in Vitania C soil ptt between 6.5)	PRECEPITATION Low Medium High very rich en 55 And	FOILAGE COLOR Display Purple Plight green Dark green Yellow HIT RAMTE	□ Functional □ Commercial □ Aesthetical □ Ecological





AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
□ Easy	D Low	Diow	2 Low	□ Seed	a Rocky	Deciduous	D January
g'Average	□ Medium .	₽ Mechum	□ Medium	d'Cutting	□ Sandy	D Evergreen	o February
a Difficult	□ High	a High	□ High	□ Layers	P'Loamy		□ March
				FOILAGE TEXTURE	FORM	COLOURS	D April
				O Light	D Honzontal	o Blue	□ May
				D Dense	D Climbing	D Purple	D June
				D Clusters	o Umberlla	□ White	D July
				a Bold	b Spreading	D Pink	□ August
	She	1		□ Delicate	□ Irregular	□ Red	a September
1		11		GROWTH	D Pyramid	□ Orange	□ October
				a Slow	D Spiky	□ Yellow	□ November
				& Average	Pendilous .	₽ Green	D December
	The same of the sa			□ Fast	□ Upnght	D Cream	The second second
	Mr. But A	Carried Park		- 1 625¢	D Opinging	Li Cream	
BARK COLOR	BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	The state of the s	FOILAGE COLOR	VALUES
	BARK TEXTURE	LEAF D Oval			The state of the s	FOILAGE COLOR	VALUES Functional
	& Smooth	-	D Delicate	CONDITIONS	PRECEPITATION	FOILAGE COLOR	Functional
D Dark grey	& Smooth	□ Oval	🛘 Delicate Ø Bold	CONDITIONS Daily Sun	PRECEPITATION D Low	FOILAGE COLOR	/2505000 PURE
□ Dark grey □ Greenish yellow	& Smooth Corous Scales	□ Oval □ Rounde	🛘 Delicate Ø Bold	CONDITIONS Half sun Full sun	D Low Medium High	FOILAGE COLOR Blue Purple	© Functional ☐ Commercial
□ Dark grey □ Greenish yellow ¤*Dark green	& Smooth Corous Scales	□ Oval □ Rounder □ Neerlie	□ Delicate Ø Bold □ Light	CONDITIONS A Half oun Full sun Full shade NOTES: KNOWN height - 50cm	PRECEPITATION Low Medium High as desertnose	FOILAGE COLOR Blue Purple Flight green	© Functional □ Commercial □ Aesthetical
Dark grey Greenish yellow Thark green Light green	& Smooth Corous Scales	□ Oval □ Rounder □ Neerlie	□ Delicate Ø Bold □ Light	CONDITIONS A Half our Full sun Full shade NOTES: KNOWN height - 50cm Shape - long -	PRECEPITATION Low Medium High as desertnose	FOILAGE COLOR Blue Purple Flight green Tark green	© Functional □ Commercial □ Aesthetical
□ Dark grey □ Greenish yellow Ø Dark green □ Light green □ Dark brown	& Smooth Corous Scales	□ Oval □ Rounder □ Neerlie	□ Delicate Ø Bold □ Light	CONDITIONS A Half oun Full sun Full shade NOTES: KNOWN height - 50cm	PRECEPITATION Low Medium High as desertnose	FOILAGE COLOR Blue Purple Flight green Tark green	© Functional □ Commercial □ Aesthetical
□ Dark grey □ Greenish yellow	& Smooth Corous Scales	□ Oval □ Rounder □ Neerlie	□ Delicate Ø Bold □ Light	CONDITIONS A Half our Full sun Full shade NOTES: KNOWN height - 50cm Shape - long -	PRECEPITATION Low Medium High as deseatrose Im	FOILAGE COLOR Dive Pumple Light green Promiser green Yellow	☐ Functional ☐ Commercial ☐ Aesthetical ☐ Ecological
□ Dark grey □ Greensh yellow □ 'Dark green □ Light green □ Dark brown □ Light brown □ Light brown □ Black	ØSmooth □ Corous □ Scales □ Rugged	□ Oval □ Rounde: □ Needle ☑ Linear	□ Delicate	CONDITIONS A Half our Full sun Full shade NOTES: KNOWN height - 50cm Shape - long -	PRECEPITATION Low Medium High os deseatrose Im wayy NAME: SANC	FOILAGE COLOR D Blue D Purple D'Light green D'Dark green D Yellow HIT RAMTE	☐ Functional ☐ Commercial ☐ Aesthetical ☐ Ecological
□ Dark grey □ Greenish yellow	ØSmooth □ Corous □ Scales □ Rugged	□ Oval □ Rounde: □ Needle ☑ Linear	□ Delicate	CONDITIONS A Half our Full sun Full shade NOTES: KNOWN height - 50cm Shape - long -	PRECEPITATION Low Medium High as deseatrose Im	FOILAGE COLOR D Blue D Purple D'Light green D'Dark green D Yellow HIT RAMTE	☐ Functional ☐ Commercial ☐ Aesthetical ☐ Ecological
	o Easy & Average	□ Easy □ Low □ Average □ Medium .	© Easy © Low © Low & Average © Medium	© Easy © Low © Low @ Low @ Average © Medium @ Medium © Medium	D Easy A Average D Ifficult D High	Delicate Irregular Slow Slow	Easy Cow Cow

PLIIMERIA ALBA	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE of Deciduous	FLOWERING January
CHAMPA	artasy	to Low	n Low	O Low	D Seed	to remove	6 Evergreen	er February
FAMILY APOCYNACEAE	B Average	ii Medium	or Medium,		The second secon	- During	D Lvergreen	ar March
DRIGIN	a Difficult	ti Migh	a High	o High	D Layers	er Loamy	COLOURS	D'April
SPREAD		-			FOILAGE TEXTUR		n Blue	er May
		The same	-1		D Light	to Honzontal		er June
		100 38	(3)		a Dense	D Climbing	to Purple	er July
and the same		- W .	L. See	2	D Clusters	The state of the s	or White	
San Maria	*	TA ST.	913	(0)	D Bold	the Chicago	ti Pink	a August
The state of the s			-	CAK	n Delicate	ti Imegular	a Red	o September
The state of the s	A A		CAS	(Pital	GROWTH	D Fyramid	ti Orange	ar October
1.1			G		a Slow	ti Spiky	a Yellow	a November
23.73.50					D'Average	n Pendilous	ti Green	ar December
	L.K. All	1			o Fast	er Upnght	D Cream	
INTEREST	BARK COLOR	BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	PRECEPITATION	FOILAGE COLOR	VALUES
p Form	Dark grey	d Smooth	D Oval	D Delicate	p-Half sun	o Low	a Blue	a Functional
n Leaf	o Greenish yellow	Corous	n Rounde	# Bold	o Full sun	o Medium	to Purple	D Commercial
o folkse	D Dark green	n Scales	D Needle		D Full shade	a High	D Light green	e Aesthetical
D Fruit- secu	U Light green	ti Rugged	ef Linear	ti Dense	NOTES: mest	eloved	P Dark green	ti Ecological
pBark	Dark brown				garden plan		D Yellow	
d'Flawenny	ar Light brown	1			world 6 to			
o Steam	o Black				sun everyday			
H. D. 150 H.	2.00.0					NAME: SAN	CHIT RAMT	EKE
						B. ARCH 3rd YEA		
PLAN	T HE	RBAR	IUN	4		ROLL NO. :		
						DATE: 4 Dec	2.02.0	
						DATE: 4 DEC		





EPIPREMNUM	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
AUREUM . DEVIL'S	Wor Easy	D Low	to Low	D Low	O Seed	a Rocky	ti Deciduous	D January
FAMILY ARACEAE	D Average	□ Medium	a Medium	D Medium	a'Cutting	🗆 Sandy .	prEvergreen	o February
ORIGIN MODREA	□ Difficult			a High	D Layers	n Loamy		D March
SPREAD					FOILAGE TEXTURE	FORM	COLOURS	D April
		2	1		D Light	D Horizontal	n Blue	D May
	70	Comp	3		D Dense	D Climbing	D Purple	□ June
	96		TIP	100	D Clusters	ti Umbedla	D White	O July
	(1)(4)		1 mm		n Bold	D Spreading	to Pink	D August
THE WAY	2013				□ Delicate	ti Irregular	D Red	□ September
1			V		GROWTH	to Pyramid	ti Orange	D October
	23		61		n Slow	Бріку	D Yellow	□ November
			N.		□ Average	#Pendilous	□ Green	□ December
			- Transfer		ar Fast	e Upnght	□ Cream	
		BARK TEXTURE	LEAF	FOILAGE	CONDITIONS	PRECEPITATION	FOILAGE COLOR	VALUES
INTEREST	BARK COLOR	BARK TEXTURE	LEAT					
77,7,7,841,444,7	Dark grey		ti Oval	n Delicate	Half sun	n Low	n Blue	□ Functional
D Form		er5mooth		and the second s	Half sun Full sun	to Low to Medium	a Blue a Purple	The American State of the
o Form o Leaf	a Dark grey	a Smooth a Corous	ti Oval	er Bold	And a second sec	All the second second	D Purple D Light green	Commercial Aesthetical
D Form D Leaf Ø Foilage	Dark grey Greenish yellow	a Smooth a Corous	ti Oval erkoundea	er Bold □ Light	□ full sun □ Full shade	o Medium o High	D Purple D Light green	D Commercia
INTEREST D Form D Leaf Ø Foilage D Fruit-seed DBark	O Dark grey O Greenish yellow O Dark green	er Smooth ID Corous ID Scales	ti Oval erRoundea ti Needle	er Bold □ Light	□ Full sun □ Full shade NOTES: quows to is a house put	O Medium O High Apto 20m ant	D Purple D Light green	Commercia Aesthetical
D Form D Leaf & Foilage D Fruit - seed	Dark grey Greenish yellow Dark green Light green	er Smooth ID Corous ID Scales	ti Oval erRoundea ti Needle	er Bold □ Light	□ Full sun □ Full shade NOTES: quows to is a house put needs suppo	O Medium O High Apto 20m ant out to climb	D Purple D Light green O Dark green	Commercia Aesthetical
D Form D Leaf Ø Foilage D Fruit-seed OBark	Dark grey Greenish yellow Dark green Light green Dark brown	er Smooth ID Corous ID Scales	ti Oval erRoundea ti Needle	er Bold □ Light	□ Full sun □ Full shade NOTES: quows to is a house put needs suppo	O Medium O High Apto 20m ant	D Purple D Light green O Dark green	Commercial Aesthetical
D Form D Leaf of Foilage D Fruit - seed OBark D Flowenng	Dark grey Greensh yellow Dark green Usight green Dark brown Usight brown	er Smooth ID Corous ID Scales	ti Oval erRoundea ti Needle	er Bold □ Light	□ Full oun □ Full shade NOTES: quows to it a house put needs suppose	O Medium O High Apto 20m ant out to climb	□ Purple □ Light green ☑ Dark green □ Yellow	Commercial Aesthetical Ecological
D Form D Leaf Follage D Fruit-seed DBark D Flowening D Steam	□ Dark grey □ Greensh yellow □ Dark green □ Light green □ Dark brown □ Light brown □ Black	arSmooth D Corous D Scales D Rugged	ti Oval terRounded to Needle to Linear	er Bold D Light Dense	□ Full oun □ Full shade NOTES: quows to it a house put needs suppose	o Medium o High splo 20m aut out to climb levil's vive	D Purple D Light green O'Dark green D Yellow	Commercial Aesthetical Ecological
D Form O Leaf Ø Foilage O Fruit-seed OBark O Flowening O Steam	Dark grey Greensh yellow Dark green Usight green Dark brown Usight brown	arSmooth D Corous D Scales D Rugged	ti Oval terRounded to Needle to Linear	er Bold D Light Dense	□ Full oun □ Full shade NOTES: quows to it a house put needs suppose	O Medium O High Aple 20m ant out to climb devil's vive	D Purple D Light green O'Dark green D Yellow	Commercial Aesthetical Ecological

CONTRACT PROPERTY	AVAILABLITITY	DISEASES	COST	CARE	PROPAGATION	SOIL	TYPE	FLOWERING
	ar Easy	D Low	& Low	& Low	D Seed	n Rocky	□ Deciduous	 January
FAMILY	□ Average	D Medium	o Medium	D Medium	& Cutting	o Sandy	# Evergreen	□ February
ORIGIN East harrisphere	The state of the s	□ High	O High	D High	& Layers	& Loamy		D March
SPREAD	-45		\II		FOILAGE TEXTURE	FORM	COLOURS	□ April
	117	QLADE	1		O Light	□ Horzontal	□ Blue	□ May
ad blo / /	H -	ELITOR	V	4	□ Dense	D Climbing	□ Purple	D June
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Name of Program: Bachelor of Architecture

Name of Course: Building Technology and Materials VI (3201546, 3201547)

Title of Assignment: Study of Steel Structures

Teaching methodology Adopted: Experiential Learing through virtual site visit

Name of the faculty: Suruchi Ranadive, Purva Shah, Gaurav Arbooj, Sagar

Sonawane, Sachin Waje, Radhika Bhattad

Academic Year: 2020-21 Semester: VI

Objectives	To understand the assembly of steels structure with steel sections, Built-up sections and how the Multi-storey steel building assembly with stanchion, beams and metal deck flooring is done
Date /Duration of Activity	17/03/2021 and 26/03/2021 (6 hours)
Venue	M.V.P.S's College of Architecture
Student Attended	Third Year B. Arch
No of Students Present	92
Photograph/Video Available	Submission Available - Student work sheets





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	Students solve design problem and make construction details of following interior elements:
Brief about the Program (Activity/Event)	An interactive lecture was conducted for the 3rd year B Arch students on steel Structures. The lecture included case studies of various steel structures (Industrial sheds in Pre engineered building technology.) The students had an interactive session with faculty discussing the merits and demerits of conventional steel structures, PEB structures, connection details, Industrial flooring etc. Showcased case study of Industrial shed project gave the students a practical overview of the theory studied in class.
Students Outcome/Works example	Students work sheet

Faculty in-charge

IQAC Co-ordinator

Maratha Vidya Prasarak Samaj's

COLLEGE OF ARCHITECTURE

Nashik

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A report on Steel Structures

Presentation by Faculty:

ASSEMBLY OF STEELS STRUCTURE WITH TRUSSES

· Conventional Industrial Shed:











PORTAL FRAME CONSTRUCTION







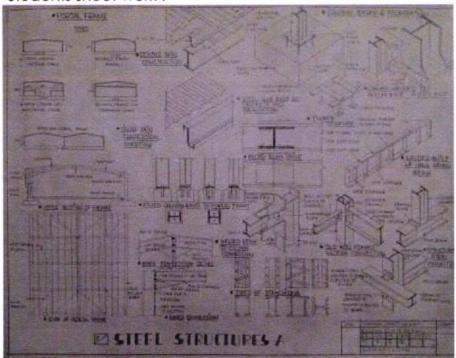


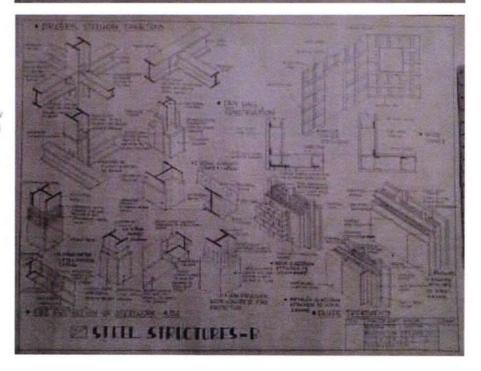




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Students sheet work:









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Name of Program: Bachelor of Architecture

Name of Course: Building Technology and Materials VI

Title of Assignment: Online Market Survey

Teaching methodology Adopted: Experiential learning (Virtual)

Name of the faculty: Suruchi ranadive, Purva Shah, Gaurav Arbooj, Sachin

Waje, Radhika Bhattad, Sagar Sonawane

Academic Year: 2020-21 Semester: VI

Objectives	 To make students aware of the latest materials trends w.r.t steel, glass at new materials To explore market forms and measurement units of the materials requirements To understand market rates and application processes of different materials 		
Date /Duration of Activity	11th January 2021 to 25th January 2020		
Venue	M.V.P.S's College of Architecture		
Student Attended	Third Y. B. Arch		
No of Students Present	64		
Photograph/Video Available	Work samples available		





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Brief about the Program (Activity/Event)	Students are taught various materials needed in latest building trends such as steel glass. All the materials are available in market for exploring and understanding. The students are asked to understand what are the market forms these construction materials, find out the unit of measurement and corresponding market rates. In the process students also understand the process of application and joining of various materials. Such exposure gives clarity while designing and detailing a project and preparing working drawings.
Students Outcome/Works example	PowerPoint presentations and A1 SHEETS listing specified materials, their market forms, market rates,

Prof. Suruchi Ranadive

Faculty in-charge

Prof, Arpita Bhat

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IQAC Co-ordinator
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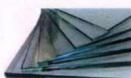
A report on Market Survey (Online)

Lime / Soft Glass



- They are low cost, resistant to water but not to acids.
- They can melt easily es 0.4 to 19 mm thk. & 12, 14, 16, 20 inch square sheets. Price - Rs.135 to 400/- per sheet

Window glass, shop fronts, railing partitions Electric bulbs, Plate glass, Bottles, Jars, cheaper table wares.



- · Truly flat glass with undistorted vision
- 85% light transmission

Sizes - 3 to 25 mm thk. & general size of 8 x 4 ft. sheets. Price - Rs.250 to 1000/- per square meter

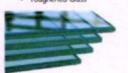
float glass is used for smaller windows in domestic housing

Poly – Crystalline Glass



- It is not ductile. It exhibits high strength and considerable hardness.
- Sizes 2mm thk, & 12 x 8 inch Price - Rs.300/- per square ft.
- Uses
 For making solar panels

Toughened Glass



- · Such glass is more elastic to mechanical and
- thermal shock.

 May have distortions and low visibility.

Sizes - 10 to 20mm thk. & 6000mm x 3200mm general size. Price - Rs.90 to 600/- per block & varying.

- Uses
 For making window shields of fast moving
 formace and automatic vehicles, windows of furnace and automatic opening doors, railings etc



TILE ADHESIVES

PRICE: Rs 418/ LITRE

· form: liquid minimum order quantity: 5 pack categories: construction chemicals form of chemicals: liquid packaging size: 1litre & 5litres





TILE FIXING POWDER

price: rs 65/kg application: tile fixing brand: perma form: powder types: tiles, ceramic color: grey type: tile adhes

POWDER TILE FIXING COMPOUND

Price: Rs 1,300/ kilogram application: tile fixing physical state: powder brand: perma packaging size: 1 kg. packaging type: box



ACRYLIC SEALANT,

PRICE: Rs 200/ Square Feet size: 20 kg, 100 kg, 50 kg packaging type: hdpe barrel application industry: jointing, caulking,

surface of application; ceramic, plastic, metal grade standard; industrial material compatibility: plastic



USE OF PLASTIC IN DOORS

Door type	price		
Single panel door	1800/-		
Sliding garage door	20000/-		
Plastic door	2000/-		
Pvc membrane door	175sq.ft		
Designed pvc door	2500/-		
Sizes: 6 x 2.25ft; 6 x 2.50ft; 6.50 x 2.50ft; 6.75 x 2.25ft;		-	
			The state of the s







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Name of Program: Architecture

Name of Course: Landscape Architecture II

Title of Assignment: Godavari River Front Development Teaching methodology Adopted: Experimental Learning

Name of the faculty: Dr. Prajakta Baste, Prof. Nandan Malani, Prof. Gaurav

Arbooj, Prof. Ketaki Pathak

Academic Year: 2020-21

Semester:V

 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. 	
3 Months	
M.V.P.S's College of Architecture	
Third Year B. Arch	
92	
Photographs available	





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Brief about the Program (Activity/Event)	The Proposal was raised by Suyojit Developers to enhance and revive the edge of the river which can create opportunity for local citizen to have recreational area. Purpose of involving students in the process of live site is to make them gain practical knowledge, to develop the understanding of dealing with miscellaneous difficulties which can be arose during construction and how to incorporate 2d drawings physically on site.
Students Outcome/Works example	Students have done site analysis after visiting site physically and came up with first stage of the proposal-Conceptual planning, sections, material specification, Lighting specification, and herbarium scheme.

Doc.

Faculty in-charge

IQAC Co-ordinator
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Site Visit















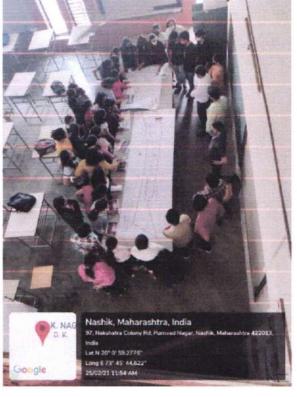


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Studio Discussion











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Students work





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Name of Program: Bachelor of Architecture

Name of Course: Building Services- IV 3201550 (SS) 3201551 (PP)

Title of Assignment: Fire Fighting Site Visit

Teaching methodology Adopted: Experiential Learning

Name of the faculty: Prof. Ketaki Manolkar, Prof. Vinit Bobade, Ar. Charudatta

Nerkar, Prof. Hemant Thakare, Prof. Megha Butte

Academic Year: 2020-21 Semester: VI

Objectives	 To obtain knowledge for Fire safety measures as a part of building services in comprehensive architectural design
Date /Duration of Activity	24/02/2021 (3 hours)
Venue	M.V.P.S's College of Architecture
Student Attended	Third Year B. Arch
No of Students Present	91
Photograph/Video Available	Screenshots available





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As a part of the Building Services syllabus of Third year Architecture, students are expected to experience, learn,

Students successfully did the site visit and understood the

active and passive fire safety measures incorporated in a

Faculty in-charge

Students

example

Outcome/Works

building.

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A report on Fire Fighting Site Visit

- · CITY CENTER MALL IS A G+4 STRUCTURE WITH ONE BASEMENT FLOOR G-1.
- . IT IS 22M HIGH STRUCTURE FROM GROUND LEVEL.

DBSERVATIONS-

- THERE ARE TWO EMERGENCY EXIT STAIRCASES AND THE EMERGENCY EXIT DOORS(1100MM WIDTH) ARE GIVEN AT EACH ELDOR
- ONE STAIRCASE LEAD TO PARKING AT GROUND FLOOR AND ANOTHER DIRECTLY TO THE PEDESTRIAN EXIT.
- . THERE ARE MANUAL FIRE ALARM CALL POINTS FIXED BESIDES EVERY EMERGENCY EXIT DOOR.

NBC REGULATTONS(FOR STAIRCASE AND DOORS)

- BUILDINGS WHICH ARE 15 M IN HEIGHT OR ABOVE WHICH HAS MIXED OCCUPANCIES AND HAVE AREA MORE THAN 500M.SQ. ON EACH FLOOR SHALL HAVE MINIMUM OF TWO STAIRCASES. THEY SHALL BE ENCLOSED TYPE AND ATLEAST ONE OF THEM SHALL BE ON EXTERNALL WALLS AND DIRECTLY OPEN TO THE EXTERIOR OR AN OPEN SPACE FOR SAFETY.
- DOOR WIDTH > 1000MM. (OUTWARD DIRECTION)
- . OPEN ON LANDING OF STAIRCASE NOT ON TREAD.
- THE STAIRCASE SHOULD BE WELL VENTILATED AND HAVE MINIMUM ZM WIDTH CONCLUSION- CITY CENTER MALL HAS STRAICASES AND DOORS AS PER NBC

FIXED FIRE FIGHTING INSTALLATIONS

DBSERVATIONS.

- 1.FIRE EXTINGUISHER(PORTABLE)
- 2.FIRE HOSE REEL
- 3.WET RISER SYSTEM
- 4.FIRE HYDRANT



5. AUTOMATIC SPRINKLER SYSTEM

G.MANUALLY OPERATED ELECTRIC FIRE ALARM SYSTEM

7.AUTOMATIC DETECTION AND FIRE ALARM SYSTEM(SMOKE DETECTOR)

B.UNDERGROUND STATIC WATER STORAGE TANK 9. OVERHEAD (TERRACE) TANK

10.Pump NEAR UNDERGROUND STATIC WATER TANK(FIRE PUMP).

CONCLUSION- IT HAS ALL THE REQUIRED FIXED FIRE FIGHTING INSTALLATIONS AS A MERCANTILE BUILDING AS PER NBC.









City Centre Mall, Nashik





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PORTABLE FIRE EXTTINGUISHERS.

- . MOUNTED ON WALLS BY THE HANGERS OR BRACKETS, ON EACH FLOOR.
- WATER & FOAM STORED PRESSURE FIRE EXTINGUISHER: STORED
 PRESSURE WATER FIRE EXTINGUISHERS EXTINGUISH FIRES BY PROVIDING
 A COOLING, SOAKING STREAM OF WATER. EFFECTIVE FOR A CLASS A
 FIRE, ARE USED.

n case of fire

 Installed at 1.5m Height, Three container located every 2005Q.m area on each floor.

SIGNAGES AND DIRECTION-

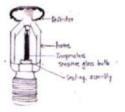
- PROPER SIGNAGES AND DIRECTIONS
- WERE PROVIDED

FIRE HOSE REEL-

- IT IS INSTALLED AT EACH FLOOR , AND EACH 1505Q.M AREA.
- * LOCATED NEAR THE FIRE EXIT DOOR, AT EVERY MIDLANDING OF FIRE
- * THE HOSE IS 36M IN LENGTH AND ITS ROLLED ON TO HOSE REEL DRUM, INSTALLED AT 1.8 M HEIGHT FROM FLOOR.
- THE NOZZLE OF HOSE REEL IS HOUSED IN A SPECIAL BRACKET
- TO OPERATE HOSE REEL, WE HAVE TO ON CONTROL VALVE AND TURN THE WATER ON BY OPERATING NOZZLE.
- . ITS USED DNLY TO EXTINGUISH A CLASS FIRE.















SPRINKLER HEADS

- historial on the district of the supply the supply water pressure
- 1.AUTOMATIC FIRE SPRINKLER SYSTEMS ARE NETWORKS OF UNDERGROUND AND OVERHEAD PIPING FED BY AUTOMATIC WATER SUPPLY.
- 2.THE BASIS FOR A FIRE SPRINKLER SYSTEM IS TO KEEP A FIRE AT A RELATIVELY SMALL SIZE & UNDER CONTROL.
- 3. THE PURPOSE OF COMMERCIAL OR INDUSTRIAL FIRE SPRINKLER SYSTEM IS TO PROVIDE BOTH LIFE SAFETY & PROPERTY PROTECTION.

NOTE-THERE IS 6 FEET DISTANCE BETWEEN ADJACENT FIRE SPRINKLER HEADS



City Centre Mall, Nashik





Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik

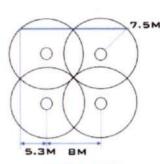
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SMOKE DETECTORS-

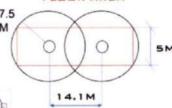


IDNISATION DETECTOR - RESPOND TO THE INVISIBLE, PRODUCTS OF COMBUSTION , INCLUDING SMALL PARTICLES OF SMOKE WORK ON THE PRINCIPLE OF THAT THE CURRENT FLOWING THROUGH AN IONIZATION CHAMBER REDUCES WHEN SMOKE PARTICLES ENTER THE CHAMBER. ELECTRONIC CIRCUIT ALARM DETECTS THE CHANGE AND INITIATES THE ALARM .

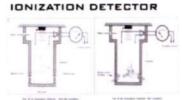
OPTICAL DETECTORS . REACTS TO THE VISIBLE PRODUCTS OF COMBUSTION, OPTICAL DETECTORS NOTE THE SCATTERING OR ABSORPTION OF LIGHT DUE TO THE SMOKE PARTICLES IN LIGHT BEAM 7.5 MAXIMUM MOUNTING HEIGHTS ARE TYPICALLY M 10.5-15M. THEY ARE BEST SUITED FOR FAST BURNING.



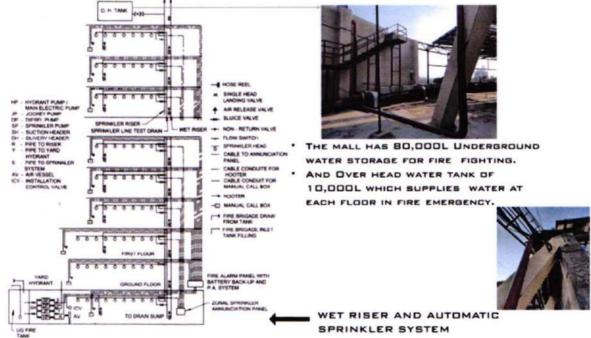
FLOOR AREA











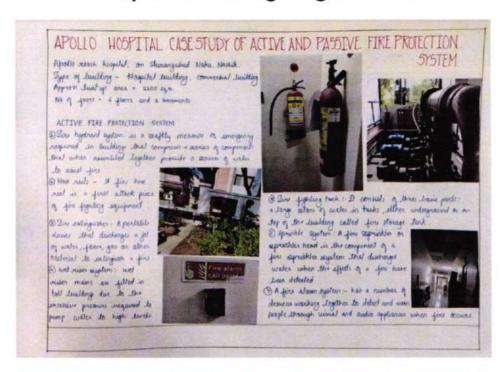
City Centre Mall, Nashik

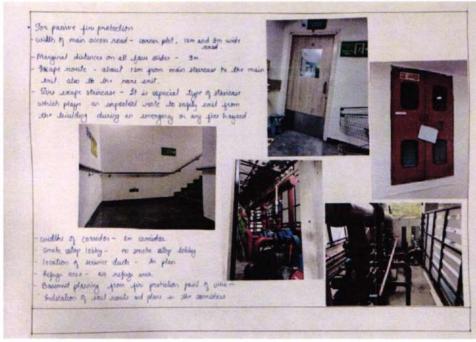




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A report on Fire Fighting Site Visit





Apollo Hospital, Nashik

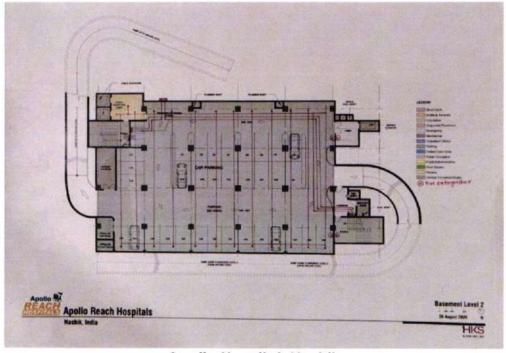




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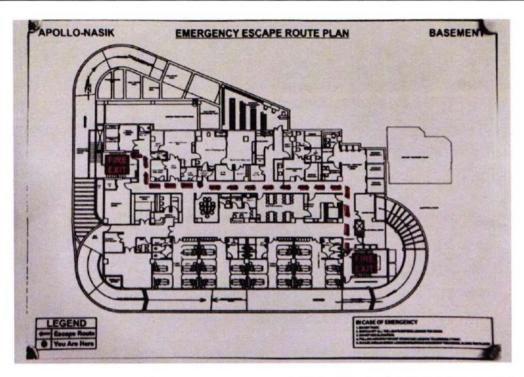


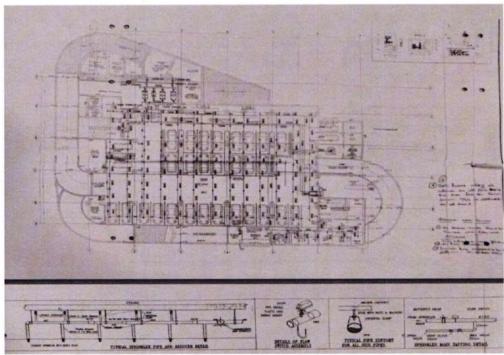


Apollo Hospital, Nashik









Apollo Hospital, Nashik





M.V.P.S's College of Architecture, Nashik

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1.3.3

Percentage of students undertaking project work/field work/internship (data for latest completed academic year)

AY 2020-2021

Fourth Year B. Arch Courses-

project work/field work/internship

Reports of courses	
Course Code	Course Title
1201554 [SV] [2015 Pattern]	Design VII
201557 [SV] [2015 Pattern]	Urban Studies -I
201560 [SS] [2015 Pattern]	Specification Writing - I
201562 [SS] [2015 Pattern]	Design VIII
201565 [SV] [2015 Pattern]	Urban Studies - II
201566 [SV] [2015 Pattern]	Research in Architecture II
201568 [SV] [2015 Pattern]	Specification Writing – II





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Name of Program: B. Architecture

Name of Course: Design-7

Title of Assignment: MASS HOUSING- Site and surrounding Analysis

Teaching methodology Adopted : Experiential Learning

Name of the faculty: Abhishek Nasikakar, Vijay Pawar, Ashish Khemnar, Sachin

Waje, Sanjay Mistry, Nitin Nikam, Satish Pawar, Amol Chaudhary, Ashwin

Sonawane

Academic Year: 2020-21 Semester: VII

Academic redi . 202	Jo-21
Objectives	1. Analysis of multiple complex issues accommodated within a delineated zone and their relationship with each other in a larger context by primary & secondary survey 2. To Analyze of built and un-built spaces with respect to activities, circulation (pedestrian/vehicular) and elements in landscape etc
Date /Duration of Activity	13/08/2020 to 1/09/2020 (four modules)
Venue	Nashik
Student Attended	Fourth Year B. Arch
No of Students Present	60
Photograph/Video Available	Photographs of students work available

Brief about the Program (Activity/Event)

As a part of Mass housing project in Design a live site is given to Students for the Architectural project. A **Experiential Learning methodology** were adopted where Students went to site and in following three stages they analyze the site and surrounding,

- Students understands and realize that site context plays very important role in design process
- 2. Issues and problems in and around site
- 3. Actual existing condition and site potential etc...



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	SITE ANALYSIS - On Site visit
	1.Location of site(India->Maharashtra->Nashik->sitemap 2.Latitude and longitude and altitude of site
	3. Major linkages and approach to site (map)
	Part 1: climate Macro/ Micro climate – zone ,Temperature, (chart), Rain fall, (chart), humidity (information),Sun path (mapping on site), Wind diagram (mapping on site)
	Part 2: Site surroundings (1sq km area)
	Part 3: Site
	slop (plan), Geology-Soil type (plan), Vegetation cover (existing trees, shrubs) (plan)
	B) Infrastructure (existing mapping) (just adjoining to site) Roads, Drainage and sanitation, Water supply, Storm water drainage system, Electricity, Telephone, Solid waste management system
	C) Site potential (from site and surroundings)
Students Outcome/Works example	Students were able to understands and realize that site context plays very important role in mass housing design process.
	$\Lambda \downarrow \Lambda \downarrow \Lambda$

Faculty in-charge

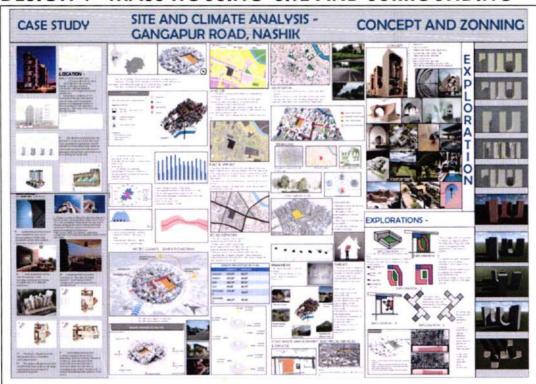
IQAC Co-ordinator Maratha Vidya Prasarak Samaj's COLLEGE OF ARCHITECTURE

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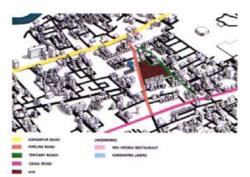
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DESIGN-7- MASS HOUSING-SITE AND SURROUNDING



Site Introduction

The site is located 300m - 400m south of Gangapur Road on the Pipeline Road, in front of Nakshatra lawns



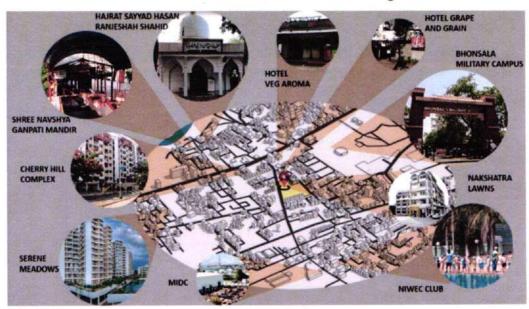






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Site Surrounding









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Name of Program: Bachelor of Architecture

Name of Course: Urban Studies I

Title of Assignment: Know your neighborhood

Teaching methodology Adopted: Participative and experiential

Name of the faculty: Arpita Bhat, Purva Shah, Amruta Sawant, Sagar Sonawane

Academic Year: 2020-21 Semester: VII

Objectives	 To make students understand their own neighbourhood from Urban perspective To co-relate learning from urban studies in their own neighbourhood To establish housing design guidelines based on experiences of their own neighbourhood To develop decision making skills in terms design thinking and process anchored to experiences of their own neighbourhood 	
Date /Duration of Activity	5 th August 2020 to 12 th August 2020	
Venue	M.V.P.S's College of Architecture	
Student Attended	Fourth Year B. Arch	
No of Students Present	64	
Photograph/Video Available	Work samples available	





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Brief about the Program (Activity/Event)	Fourth year students undertake housing project in their design studios. To understand needs of a housing project beyond buildings, the students are asked to visit their own neighborhood. They identified things that they liked the most and felt comfortable with. They also mentioned things from their childhood that made their neighborhood worthy. These aspects were then converted into sketches and tangible design solutions in relation to the urban design theory taught to them. This gave them a set of design parameters one must use in the housing scale projects to make them human centric and friendly as was their own.
Students Outcome/Works example	Compilation of sketches and observations listed as things to be implemented in their designs

Prof. Purva Shah

Faculty in-charge

Prof. Arpita Bhat

Approved by (IQAC)

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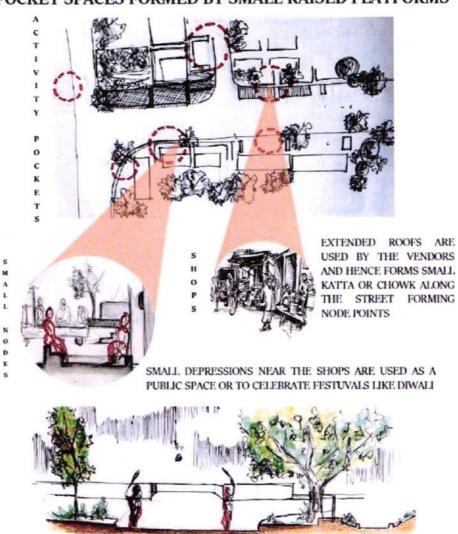




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A report on Know your neighborhood

POCKET SPACES FORMED BY SMALL RAISED PLATFORMS



SECTION THROUGH THE STREET

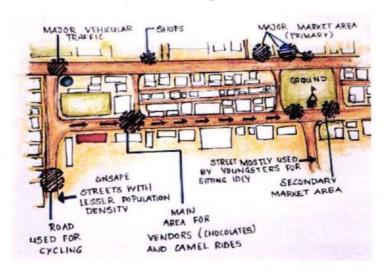
THE VACANT STREETS DURING DAY TIME ARE USED BY CHILDRENS FOR PLAYING GANES AND CYCLING AS IT HASS LESSER TRAFFIC DENSITY AS COMPARED TO THE MAIN ROADS NEAR PARK



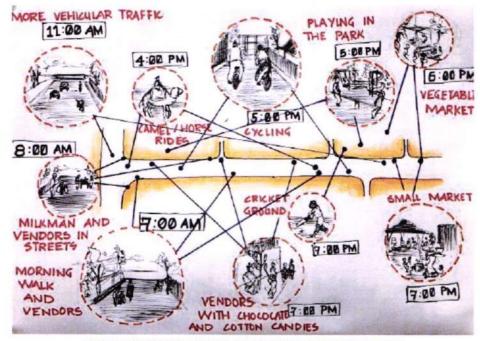


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A report on Know your neighborhood



MAPPING OF THE NEIGHBORHODD AND THE STREET



ACTIVITY MAPPING AT DIFFERENT TIME ALONG THE STREET





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Name of Program: Bachelor of Architecture

Name of Course: Urban Studies I

Title of Assignment: Summary online case study of Housing project **Teaching methodology Adopted:** Experiential learning (Virtual)

Name of the faculty: Arpita Bhat, Purva Shah, Amruta Sawant, Sagar Sonawane

Academic Year: 2020-21 Semester: VII

Objectives	 To make students understand design case studies from Urban perspective To co-relate learning from urban studies in Housing design To establish housing design guidelines based on Urban studies To develop decision making skills in terms design thinking and process anchored to learning
Date /Duration of Activity	5th August 2020 to 12th August 2020
Venue	M.V.P.S's College of Architecture
Student Attended	Fourth Year B. Arch
No of Students Present	64
Photograph/Video Available	Work samples available





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	Fourth year students undertake housing project in their design studios. For the purpose, they analyze housing projects. The in depth analysis is makes students aware of the complexities and urban dimensions of housing projects.
Brief about the Program (Activity/Event)	The specificities taught from urban perspectives are evaluated in the case study. They summarized their case study to understand the scope of architecture beyond buildings and developed design guidelines for these in between spaces from understanding the use and experience of these spaces.
	The students listed positive spaces marking a successful housing project. The importance of designing of spaces between buildings is crucial for such scale projects.
	Students have analyzed and experienced the urban environments that contributed to the vibrant spaces in a housing project and developed design strategies to implement the same in their design.
Students Outcome/Works example	PowerPoint presentations listing the positive design points for in between spaces with photographs and sketches

Prof. Purva Shah

Faculty in-charge

Prof, Arpita Bhat

Approved by (IQAC)

IQAC Co-ordinator
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE
Nashik





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A report on Summary of Housing Case Study (Virtual)

Each of the floors happen to have one activity centre which is visually linked across
different levels through a central atrium with a skylight. Instead of sheltering all
the activities in one place, it is well distributed across the floor for clear access and
to have a bustling atmosphere and boost interaction across the building.

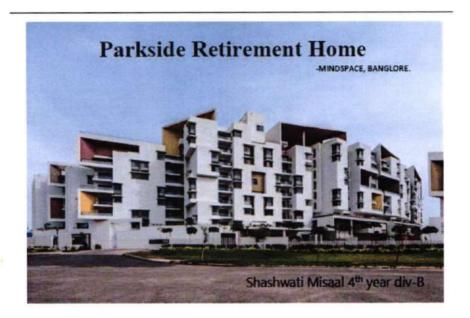






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A report on Summary of Housing Case Study (Virtual)



- Parkside Retirement homes are a part of Brigade Orchards an integrated township located at Devanhalli, Bangalore.
- Which is spread over 300,0000 sqm.
- The site has a view towards Kempegowda International Airport on South and an existing temple of worship towards North.
- REASON TO CHOOSE THIS PROJECT FOR THE CASE STUDY, had to be the context on which the project has be established.
- The project was entirely focused on a specified age group, which led to address requirements for senior citizens.
- The uniqueness of the project lies in reinterpreting the idea of a single clubhouse.
- The spaces in Parkside grants the end users to engage the vibrancy of a cohesive community life.









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A report on Summary of Housing Case Study (Virtual)

O Elements that I would commend about Parkside Retirement homes are,

Project was to follow standard guide for senior living – a design manual which
address requirements for senior citizens such as wide corridors, doors for wheel
chair movement grab bars in corridors and bathrooms, a place to rest tired limbs
and a place to keep shopping bag near the door, a community life.











 The facade is enunciated with overlapping double height volumes emphasized with colours to visually scale down the ten floor facade.





 They have advanced with easily acessible huge beautiful indoor as well as out door spaces on every floor.





- Offering cascading terraces at top floors along the South side to achieve the view of the flights take off and land.
- The atrium skylight is designed in a way to bring in eastern light and avoid glare.
 A brilliant play of lights and shadows livens the atrium throughout the day, everyday.









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Name of Program: Bachelor of Architecture

Name of Course: Urban Studies I

Title of Assignment: Evolution of Urbanity and urban Morphology **Teaching methodology Adopted:** Experiential learning (Virtual)

Name of the faculty: Arpita Bhat, Purva Shah, Amruta Sawant, Sagar Sonawane

Academic Year: 2020-21 Semester: VII

Objectives	 To understand evolution of a town from different layers To identify generators of a town formation To understand the urban form of a town through its different stages of growth To identify determinants of an urban form of a town To establish world view of a town – define its identity. To understand a town through different scales To analyse towns at various morphological levels To identify and understand different components of Urban morphology of a town To develop co-relation at different scales of urban morphology to read a town 		
Date /Duration of Activity	19th August 2020 to 9th September 2020		
Venue	M.V.P.S's College of Architecture		
Student Attended	Fourth Year B. Arch		
No of Students Present	64		
Photograph/Video Available	Work samples available		





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Brief about the Program (Activity/Event)	To understand how urban evolution takes place students were expected to analyze one town in detail. The analysis of urban form, what are the generators of the same, how it evolved, how the town came into being and what is the world view of the same was developed through research on maps, archival records, photos and stories about the town. The experience of the same town was mapped further at various scales of urban morphology which formulated into a matrix giving a wholesome picture of the town at a glance. The development of the matrix involved understanding the town in detail through photos, Google earth and maps establishing a virtual experience.
Outcome/Works example	PowerPoint presentations and A3 size matrix of morphology explaining the experience and evolution of town

Prof. Purva Shah

Faculty in-charge

Prof, Arpita Bhat

Approved by (IQAC)

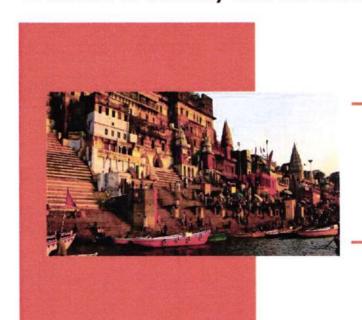
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Maratha Vidya Prasarak Samaj's
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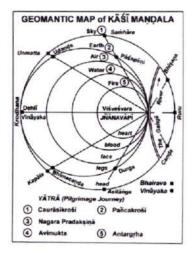


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A report on Evolution of Urbanity and urban Morphology (Virtual)



BENARAS CITY OF TEMPLES



Core

Cosmic order of the city

The five elements comprising of sky, earth, air, water, fire; creating pilgrimage circuits which developed in the form of garlands, consisting of different number of shrines in chain. The patterns become base for further development of cosmic order.

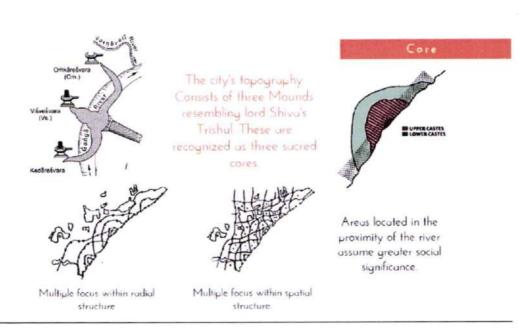




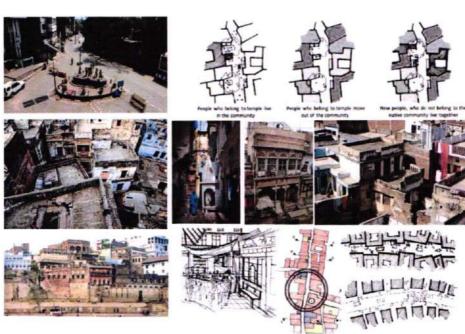


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A report on Evolution of Urbanity and urban Morphology (Virtual)



MOHOLLAS



25.

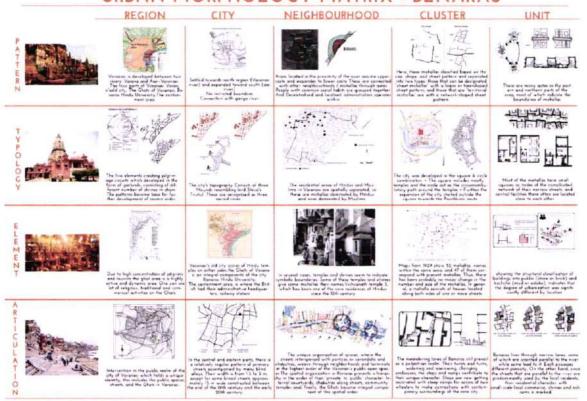




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A report on Evolution of Urbanity and urban Morphology (Virtual)

URBAN MORPHOLOGY MATRIX - BENARAS







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Name of Program

: Bachelor Of Architecture

Name of Course

: Specification Writing 1 (Fourth Year)

Title of Assignment : Online Market Surveyof Flooring and waterproofing

materials.

Teaching methodology Adopted: Experiential Learning Name of the faculty: Niketa Kothavale, Sheetal Chougule

Academic Year: 2020-21

Semester: VII

Objectives	 To develop skill of writing brief and detailed specification of item of work. To know importance of knowing various material options with rates available in market to write specifications in contract document.
Date / Duration of Activity	20/11/2020
Venue	M.V.P.S's College of Architecture
Student Attended	Fourth Year B. Arch
No of Students Present	59
Photograph/Video Available	Photographs available





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Brief about the Program (Activity/Event)	 To understand the item wise detailed specification including methods along with material exploration students are supposed to market survey. The main objective of market survey is to gathers information from market for ongoing pricing trends, customers preferences. It enables students to know various material options with rates available in market to write specifications in contract document.
Students Outcome/Works example	Techniques, Importance & methods of writing different types of specifications of different items of works in construction

Faculty in-charge

IQAC Co-ordinator
Maratha Vidya Prasarak Samaj's
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Nashik

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A report on Teaching methodology Adopted: Problem Solving

Assignment – Do online market survey for various ceramic tiles along with their market rates, application details etc.

1)











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Assignment – Do online market survey for various waterproofing materials available along with their market rates, application details etc.

1)

R	ANGE OF	PRODUC	15				1onoPr	001
SI. No.	Description	Product Name	Code	Pock Size	Pack Size Break-up	Coverage	Consumption	MOG
		Latex / Acrylic	Modified W	aterproof Sy	stem and Suppor	rt Products		
1	Acrylic Primer for Concrete Surfaces	MonoBond AR	11901	5 Kg	AS	37 Sq.m / 5 kg / 100 mic / coat	0.135 kg / Sq.m / 100 mic / cout	5Kgx4 No's
2	Acrylic modified cementitious matings for concrete and masonry surfaces.	ManaProofLWP	11101	20 Kg	R 2.934 + A 17.056	12.5 Sq.m/20 kg/1 mm /2 coats *	1.6 Kg / Sq Mtr/1mm/2 Coats	SKgx4 No's
3	Elastomeric cementitious waterproofing.	ManaProofAEW	11103	20 kg	R 6.680 + A 13.320	12.5 Sq. m / 20 kg / 1 mm / 2 coats *	1.6 Kg / Sq.Mtr/1mm/2 Coats	Skgx4 No's
4	Rain protective and architectural acrylic anti- carbonation coating.	ManaProafRG	11104	20 Kg	N 20	60 Sq.m / 20 kg / 110 mic / 2 coats *	0.33 Kg /Sq.Mtr/130 Mic / 2 Coats	Skgx4 No's
		Crystallization	based water	erproofing sy	stem and suppor	t products		
1	Chemical treatment for water proofing, dampproofing, protection and repair of concrete.	ManaProof MD	11121	25 Kg	A25	28 Sq.m / 25 kg / / cost.	0.89 Kg/Sq.Mtr/Coat	Skgut No's
2	Most chemically active crystalline waterproofing is applied to above grade or	ManaProof CON C	11122	25 Kg	A25	31 Sq.m / 25 kg / / Cost *	0.81 Kg /Sq.Mtr/Coat	Skgk4 No's





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Abdrings matt will	phrase it of ballong redering on place photosis and P.C. & Philippe has hardened their and receiving to ageing the reader problem, believe to printing and it is	20 m			

Company details	Year of Establishment & Lago	Product application	Climate
Bootik Paris, France Wurkdwide market	Bostin)	Scalants and adhesive	Temperate & Tropical all year
Sopromii, Stranpourg, France Worldwide market	190x - 70	Liquid membrane	Temperate & Tropical all year
Sika AG Group Buar, Switzerfund Worldwide murket	1010.	Epocy coating (Oudow); Comentitions (indoor wet areas (outdoor use to be rendered on top)	Temperate & Tropical all year
Axter Paris, France Worldwide market	READCTER 1922-	Torch applied membrane: anti-russ with bituminuss membrane	Temperate & Tropical all year
Fostoc Ltd. London, UK and Dobai UAE, Worldwide market	1940-	Construction sentents and, Wet areas consolitions	Temperate & Tropical all year
GE Scalario Hountsville, NE, USA Worldwide market	1940.	Construction scalants Silicone scalants	Temperate & Tropical all year
Shell Malaysia Kuala Limpur, Malaysia Malaysia markei only	1964	Shell Florikote for internal wet area waterprineling as well as for flat concrete roof and metal roofs	Tropical clease
Atlas Industry Sen Blid (Tarko Groups Schanger, Malassia market only		Cearing primer. Modified bituminums compound emulsions. Synthetic resin.	Tropical climate
Biturnat Danmorn, KSA Mid-East, Africa, Asia. 5 America	1973.	Bitumen's torch membrane	Tropical climate
Polycell Sch 18hl (Type Ce) Schenger, Malaysia Malaysia market only	1980 DYGA	Form grout	Tropical Climate
Axel Chemic Sde 186d Karda Lampter, Melaysia Malaysia market mily	1986- AXEL	Roof coating for metal, clay and concrete flat mod	Tropical climate
Quicseal Pie Ltd Singapore Malaysia China - Phillipines, South Korea	(IEE)	Liquid bised waterproxifing system. Silicone scalant	Temperate & Tropical all year
Shah Alam, Selangor Malaysia, Phillipnes,S Korea Indonesia, Singapore, Hong Kong, China	ESTOP	Waterpriceling system, coating, water stop, joint filler, sealants, concrete repair and groat	Temperate A Tropical all year
Bina Paint Marketing Sdn Hhd Schanger Malaysia Malaysia market only	BINAPAINT	Elasionetric waterproofing coating	Tropical clients:





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Name of Program: B. Architecture

Name of Course: Design-8

Title of Assignment: Integrated Transport Hub-Mumbai Naka Site & surrounding

Analysis

Teaching methodology Adopted: Experiential Learning

Name of the faculty: Abhishek Nasikakar, Vijay Pawar, Ashish Khemnar, Sachin

Waje, Sanjay Mistry, Nitin Nikam, Satish Pawar, Amol Chaudhary, Ashwin

Sonawane

Academic Year: 2020-21 Semester: VIII

Academic rear . 202	Serilesiei. Vi
Objectives	1.Analysis of multiple complex issues accommodated within a delineated zone and their relationship with each other in a larger context by primary & secondary survey 2.To Analyze of built and un-built spaces with respect to activities, circulation (pedestrian/vehicular) and elements in landscape etc
Date /Duration of Activity	22/01/2021 to 09/02/2021 (four modules)
Venue	Nashik
Student Attended	Fourth Year B. Arch
No of Students Present	60
Photograph/Video Available	Photographs of students work available

Brief about the
Program
(Activity/Event)

As a part of Mass housing project in Design a live site is given to Students for the Architectural project. A **Experiential Learning methodology** were adopted where Students went to site and in following three stages they analyze the site and surrounding,

- Students understands and realize that site context plays very important role in design process
- 2. Issues and problems in and around site
- 3. Actual existing condition and site potential etc..



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	SITE ANALYSIS – On Site visit
-	1.Location of site(India->Maharashtra->Nashik->sitemap
8 4	2.Latitude and longitude and altitude of site
	3. Major linkages and approach to site (map)
	Part 1: climate
	Macro/ Micro climate – zone ,Temperature, (chart), Rain
, ,	fall, (chart), humidity (information), Sun path (mapping on
	site), Wind diagram (mapping on site)
II	Book 2 . Site aureaundings (leg km grog)
	Part 2 : Site surroundings (1sq km area)
	Base map (showing landmarks and amenities), Land-use
	(map), Building heights (map), Building typology (map),
	Building heights (map), Physical infrastructure (roads-
	map), Services water supply, drainage, sanitation etc(
	map), Traffic and transportation (map), Issues site and
	surrounding (problems) (mapping)
	Part 3: Site
	Site plan & sections through site- on site survey & mapping
	A) Topography
	Contours – relief / gradient map (plan), Drainage pattern-
	slop (plan), Geology-Soil type (plan), Vegetation cover (existing trees, shrubs) (plan)
	B) Infrastructure (existing manning) (incl. ali in the signal of the sig
. v . o	B) Infrastructure (existing mapping) (just adjoining to site)
	Roads, Drainage and sanitation, Water supply, Storm
	water drainage system, Electricity, Telephone, Solid waste management system
	C) Site potential (from site and assets)
	C) Site potential (from site and surroundings)
	Site and adjacent surroundings, Micro level Land use,
	SWOT analysis, Views form site, views to site & views through site(Map)
Students	Students were able to understand
Outcome/Works	Students were able to understands and realize that site
example Works	context plays very important role in mass housing design

Faculty in-charge

College of PAN CO

IQAC Co-ordinator
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DESIGN-8_Integrated Transport Hub- Mumbai Naka-Nashik

INTRODUCTION

The site is near the Mumbai Naka circle adjacent to Nandini river.

The site is located in the core of Nashik city connecting the prime areas of the city & also having connectivity with the nearby destinations.

The site is having an existing bus station with some commercial outlets on the road frontage.







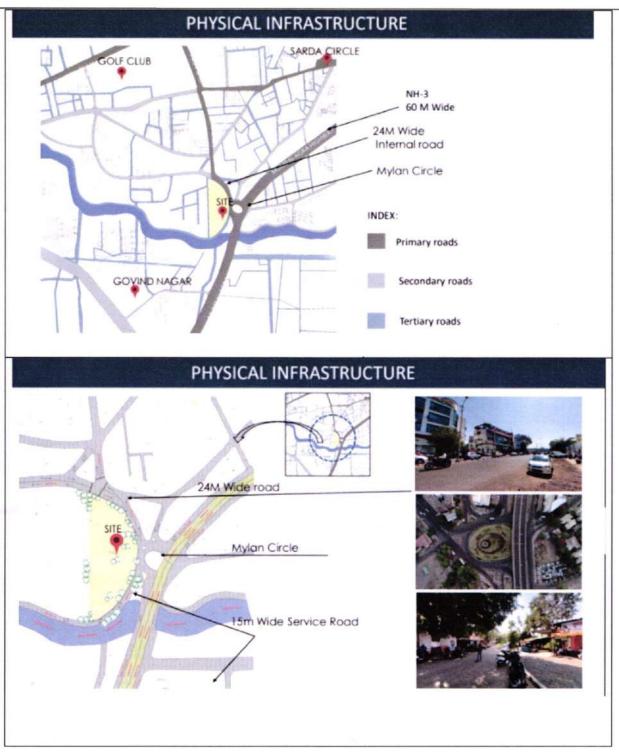


The yellow colours denotes the residential buildings. The blue colour denotes the mixed used buildings. The red colour denotes the commercial buildings. Land use





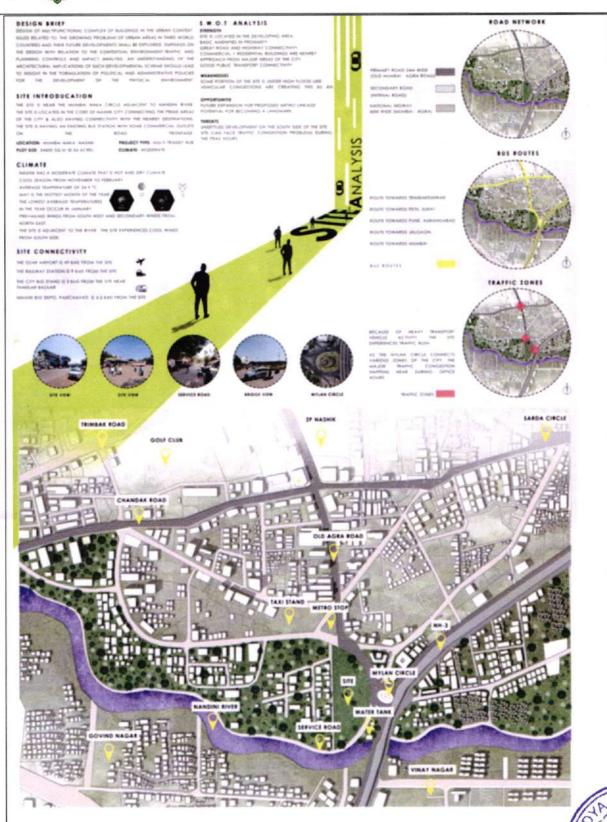
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Name of Program: Bachelor of Architecture

Name of Course: Urban Studies II

Title of Assignment: Streets for People Challenge

Teaching methodology Adopted: Experiential, Participative and problem solving **Name of the faculty:** Arpita Bhat, Purva Shah, Amruta Sawant, Sagar Sonawane

Academic Year: 2020-21 Semester: VIII

Objectives	 To make students aware of the current approaches towards Urban environments To expose students to live project under smart city mission To introduce students to the methodology of stakeholder participation to develop designs To analyze and experience the urban issues and then device relevant solutions 			
Date /Duration of Activity	December 2020 to February 2021			
Venue	M.V.P.S's College of Architecture			
Student Attended	Fourth Year B. Arch			
No of Students Present	64			
Photograph/Video Available	Photographs and certificates available			





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Brief about the Program (Activity/Event)	Nashik smart city corporation organized 'streets for people challenge' competition for designing public realm of a selected stretch of smart road in Nashik. It was an open competition for students and professional alike. The project was undertaken as urban design studio for fourth year students. The students registered and participated in the competition in groups of 8. They were guided in studio for improvements. The final submission was presented to professional jury and then was open to stakeholder voting. One of the groups got shortlisted and won the first prize for their design proposal and it will now be implemented by the authorities. All groups enthusiastically worked on the project and took efforts to present in a stipulated manner which gave them an idea about professional approach to such projects.
Students Outcome/Works example	A1 sheets and PowerPoint presentations was expected by the organizers and the shortlisted entry was invited to make a 3 min video presentation.

Prof. Purva Shah

Faculty in-charge

Prof, Arpita Bhat

Approved by (IQAC)

IQAC Co-ordinator
Maratha Vidya Prasarak Samaj's
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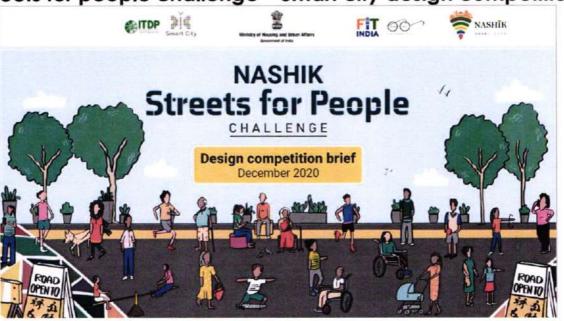






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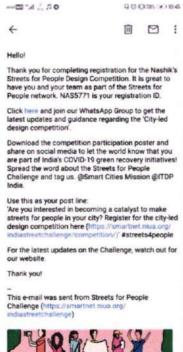
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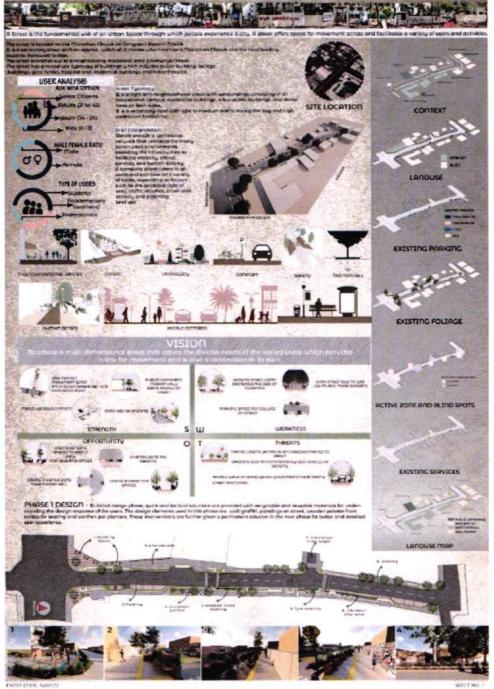








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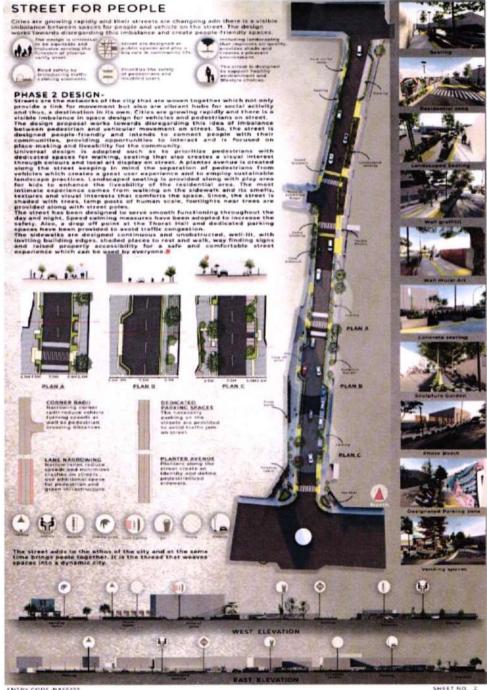






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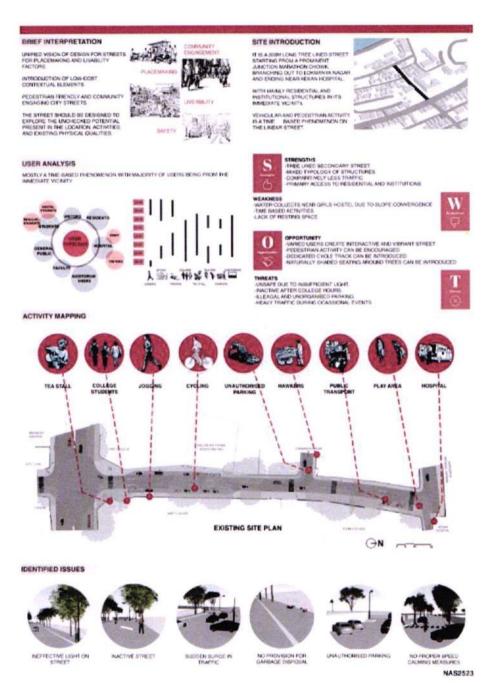






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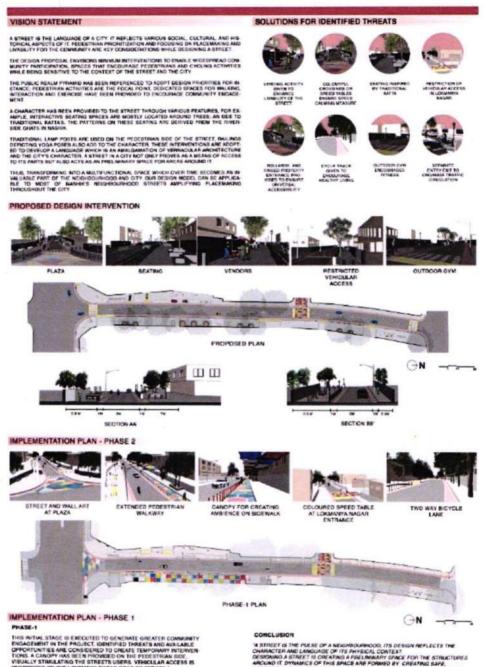






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A report on Streets for people challenge – Smart city design competition



NAS2523





Udhaji Maratha Boarding Campus, off Gangapur Road, Nashik

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

Name of Program:

B-Arch

Name of Course:

Research in Architecture – II

Title of Assignment:

Reconnaissance Survey

(Street for People : Smart City – Nashik)

Teaching methodology: Experiential Learning

(Field Survey using appropriate Research Methodology)

Name of the faculty:

Dr. Prajakta Baste, Arpita Bhat, Purva Shah,

Amruta Sawant, Sagar Sonawane

Academic Year :	2020-21 Semester : VIII
Objectives	To do reconnaissance survey of selected areas / streets which are prominently used in the city and are important in creating the image of the city. Main objective is to improvise the landscape & furniture of those streets (or sites) which are impractical or less feasible and to identify the more promising & impactful environment to demonstrate the future city.
Date / Duration of Activity	01/01/2021 - 04/01/2021
Venue	Street 1: Marathon Chowk to Kekan Hospital Street 2: CBS to Ashok Stambh
Student Attended	Fourth Year B-Arch
No of Students Present	64 (Div. A + B)
Photograph / Video Available	Photographs available





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Brief about the Program (Activity/Event)	 Students got an opportunity to participate (& compete) in the real-life Design competition. 8 groups of students took the initiative to conduct the survey. Relevant photographs were taken. Students sketched out details of the existing Street Furniture, Pathways /Footpaths, street lighting, etc. Observations of various street activities were noted down by the students. Street Maps provided by the organizers were studied and corrected according to the actual Conditions. Final Design Solution has been compiled in a proper format complying with the requirements of the Design Jury. Citizen Survey was conducted amongst final 3 Design solutions; for choosing the best entry. Later one group of students actually won the Competition (Design solution based on this survey) for their particular site for Street Design.
Students Outcome / Works example	A report on "Information collected during the Field Survey" has been generated and submitted by each student group. Report format included the most relevant Photographs & Descriptions in Bullet Format.

() CIL)

Faculty in-charge

IQAC Co-ordinator

Maratha Vidya Prasarak Samaj's

COLLEGE OF ARCHITECTURE

Approved by (IQAC)



NDMVPS College of Architecture Nasik

4th Year B-Arch 2020-21

RESEARCHINARCHITECTURE

ASSIGNMENT # 2 STREET FOR PEOPLE

Reconnaissance Survey of Smart City - Street Design

SHASHWATI MISAAL DIV-B ROLL NO- 2

GROUP MEMBERS-

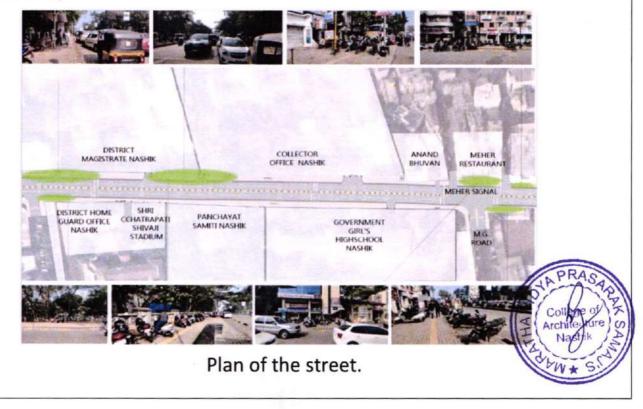
- SHASHWATI MISAL
- DIVYA PATIL
- NEHA SETHIA
- VAIBHAV MOHOD

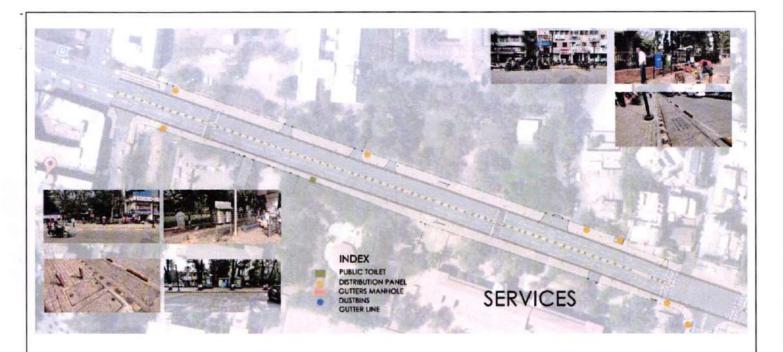
- CHAITANYA BHUTADA
- VRUTIK GAIKWAD
- RASHMI AHIRE
- SURESH CHOUDHARY

STREET FOR PEOPLE

The assigned street is located at one of the most prime locations connecting the old Nashik city centre to the urban. The street caters to some of the most major hotspots of the old city including- Nashik High Court, Shreya Hospital, Government Girl's High School, Collectors Office Nashik, Chatrrapati Shivaji Maharaja Stadium, Panchayat Samiti Nashik, etc.

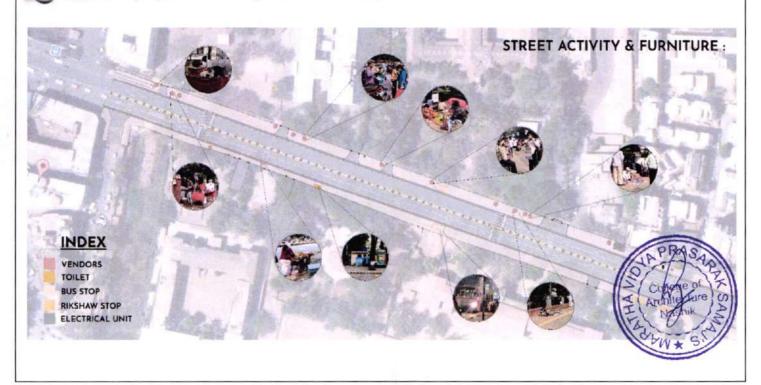
The aim of the competition is to develop a street- i.e. the pedestrian sidewalks in a people friendly space, which encourage a safer & inviting environment all throughout the day.





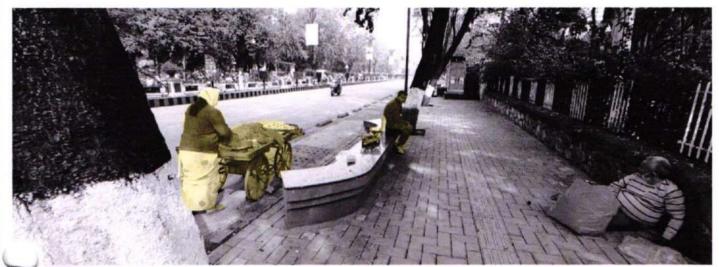
^{C*r}eet Analysis

- Activities are spread across the site in a random manner countering to the allotted space give to the specified activity.
- Seatings provide not adequately used.
- · No allotted space for vendors
- · Bus stops placed at very close intervals, which attracts commotion.
- · Public toilets are located far away form the junction.
- · Very poorly maintained public toilets.
- Few property lines are not in a appropriate state. Needs intensive development.
- There lacks signage for dominating the cycle tracks, public washrooms, parking, no parking zones. Speed limit.
- Inadequate street lighting.
- Bus stops placed at very close intervals, which attracts commotion.





- Allotted space for the rickshaw stand at the Meher signal junction is atrocious.
- Its allotted at the zebra crossing junction on the footpath, which tends to create a deal of commotion.



- Activities are spread across the site in a random manner countering to the allotted space give to the specified activity.
- Seatings provide not adequately used.
- · No allotted space for vendors





Despite of parking provided in the premises people tend to park on the busy road, on the cycle tracks and the footpaths which completely defeats the purpose of their appointed activity.



Misuse of cycle track provided.



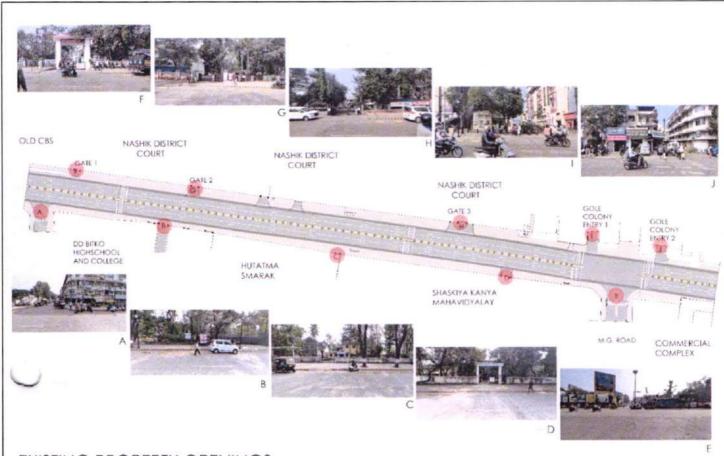
Lack of parking space. Results in people parking on the footpath.

No halting space provided.

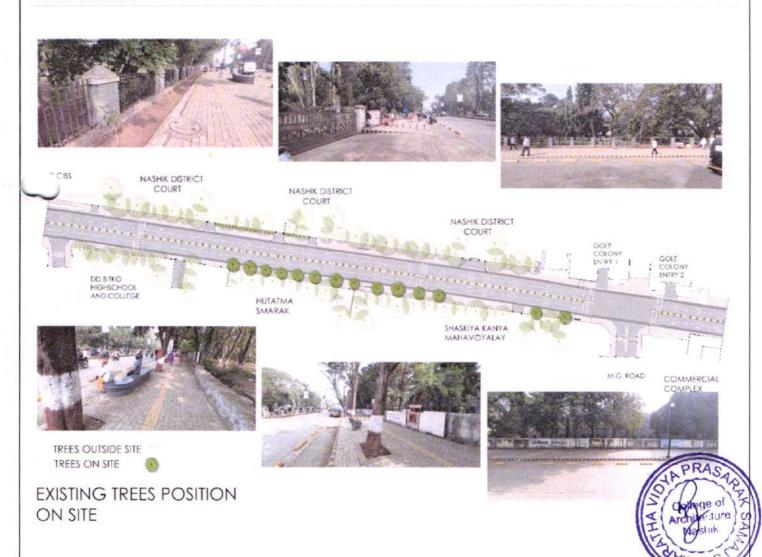




- · Poor elevation treatment for the property lines.
- The lighting provided along the slide walks aren't adequate enough to liven the space and make it feel safer.
- Pedestrian traffic is comparatively heavier during the office hours on the court sidewalk
- But yet again due to the Covid- 19 lockdown, it is difficult to analyze the pedestrian activity on the Govt. Girl's High school. Dude to the temporary shutdown of the schools and college.
- According to a survey conducted on the site a sample of 10 people were considered, amongst them – 5 men, 5 women
- 100% of the sample have insisted on improving the current condition of the public bathrooms.
- 60% of them have requested on better seating conditions.
- 40% have asked for adequate lighting in the evening.
- 10% of the sample asked to keep the sidewalks in the same condition as it.



EXISTING PROPERTY OPENINGS AND ROADS



CONCLUSION-

- Edge treatment of the properties lines could be improved with graffiti walls, wall instalments, etc.
- Renovation of public toilet and its location can be implemented.
- · The width of the cycle tracks could be widened
- Halting spaces for 4 wheelers, two-wheelers and rickshaws and govt. vehicles can be allotted.
- · Organising and segregating the pedestrian movement and the vendors.
- · Inculcating obstacle free pathways, where mini. Width can be made 2m wide.
- · Universal accessible spaces and pathways.
- Street lighting i.e. pedestrian lightings can be encouraged for a lively and safer environment.
- The materials used for bollards and bus stops can be re-explored.



MVP'S College of Srchitecture and Centre for Design, Nashik

SUBJECT: RESEARCH IN ARCHITECTURE -II

ASSIGNMENT 2 Reconnaissance Survey of Smart City Design

Submitted by:

Akshay Gaikwad	- A
Arpita Walke	-В
Krishna Dhage	-A
Kunal Shah	-B
Manasi Pawar	-В
Saloni Metkar	-A
Sanket Dhamale	- A





2. LOCATION:



Satellite image of the Location map of the site

The street is located on the Marathon Chowk on Gangapur Road in Nashik. It is a secondary street with an approx. width of 13 metres which connects ____ and ___The street branches out to an neighbouring residential area 'Lokmanya Nagar'.

The street has a mixed-use typology of buildings which includes public building, college buildings, girls' hostel, hospital and residential buildings.

Thus, there are different types of users on the street during the day and in the evening. There are a greater number of youths in daytime in the college hours but the user type in the evening changes to a greater number of residential pedestrians from the neighbourhood areas.

The street is naturally divided into two zones:

- 1) Public zone (with more density of pedestrians)
- 2) Private zone (with less density of pedestrians)

The Rao Saheb Throat Auditorium is the major public gathering space which has entrance from this street. In its full capacity it can occupy about 200-250 people at a time.

There are other institutional buildings on the opposite side of the Throat Hall at the entrance of the street i.e. The MVP Management College and also has a back gate of The K.T.H.M College. So, the footfall is more in these zones and comparatively less in the residential zone.

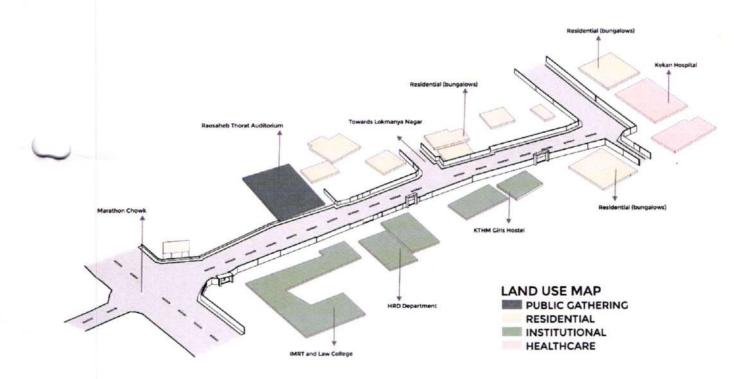
There are various potentials and threats to the street in its existing conditions. As observed, there are less numbers of light poles on the street which keeps the street dark in the evening and night time. Also, there are old trees with

bigger foliage which block the light from the poles creating blind spots on the street.

The properties around the street are either fenced or have a boundary wall with individual gates opening on the street

PS. As this street is currently under construction most of our obervations are in the form of graphics as ohotographs would not be explanatory.

3. LAND USE

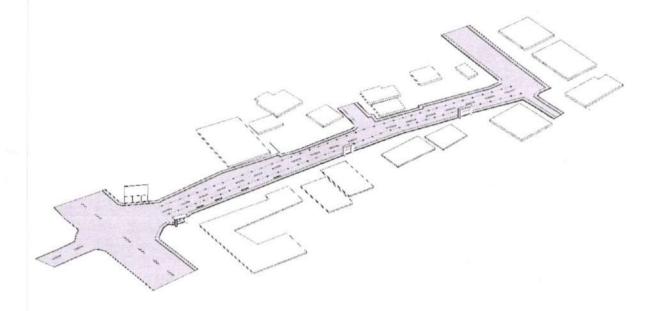




The Land use is majorly divided into four parts i.e. Public Gathering spaces on the street, The residential sector(bungalows), The institutional campus around the street and Healthcare .



4. Services on the street:



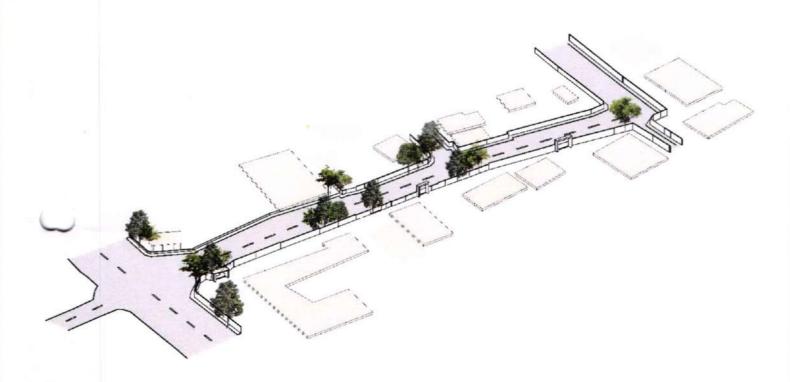
- Existing Drainage Pattern on street
- As the street is under construction we could not mark and observe the other services.



5. Street Furniture:

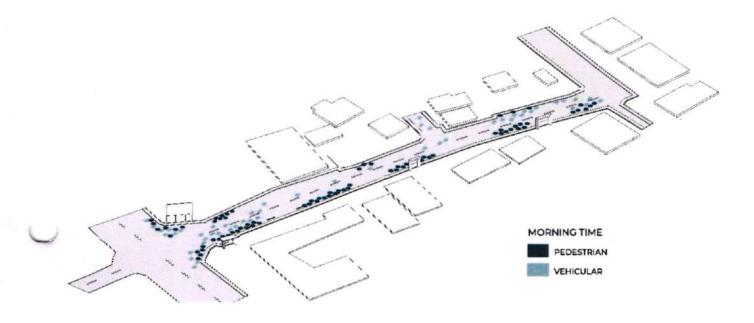
 There is no notable street furniture on the existing street also the street is under construction

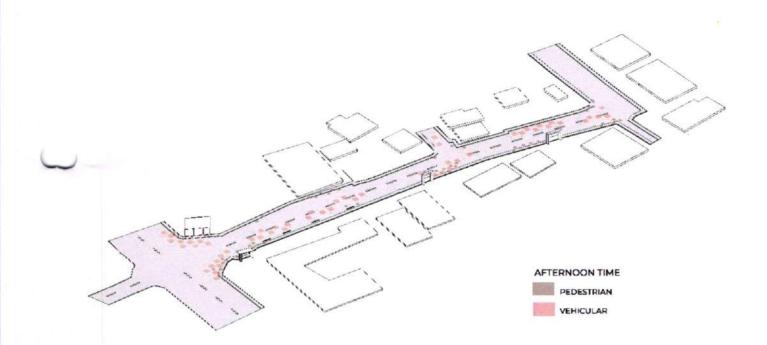
6. Plantation on Street:



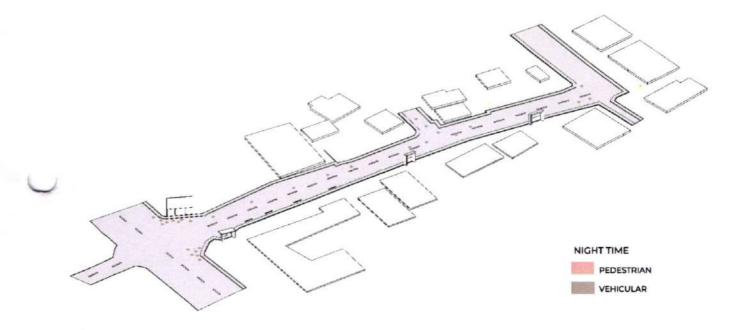
The street has scarce vegetation on one side and dense vegetation with fully grown shady trees.

7. Vehicular and Pedestrian Activity:





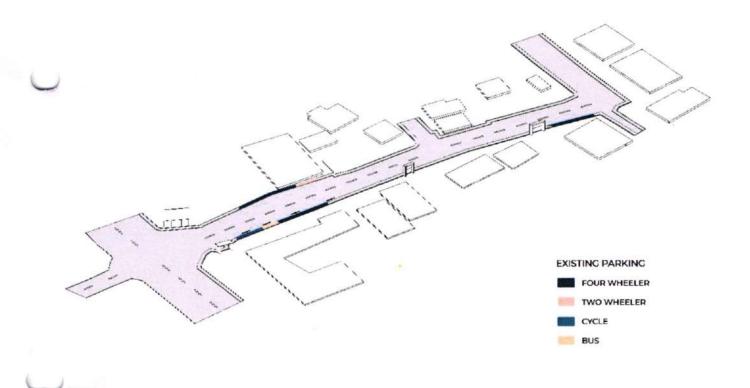




The pedestrian anad vehcular activity on the street was mapped accordig to the previous observations(before construction) on the street and through satellite images.



9. Existing Parking:

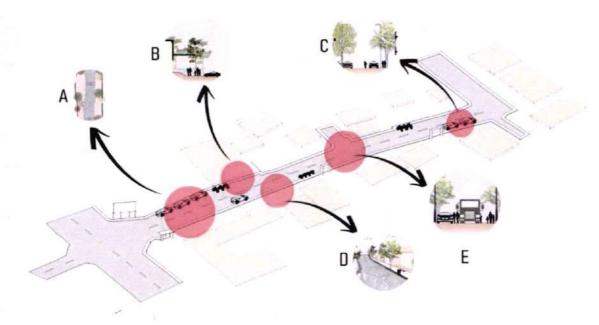


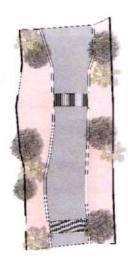
The parking pattern on the treet as marked and observed on the basis of people's observations nad satellite images.



ISSUES ON THE STREET

Since our street is under construction existing site photos and problems are grapcially depicted

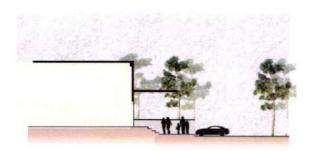




A. Varying road width:

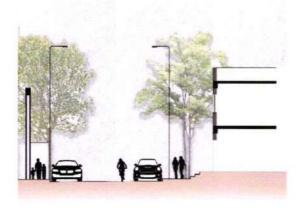
Due to varying road width, there is uneven footpath for people to walk and interact which makes the street less people oriented and more vehicle oriented.





B. lack of buffer

No buffer space and drop off point to throat hall, from the road. (public gathering space)



C. Parking on the street:

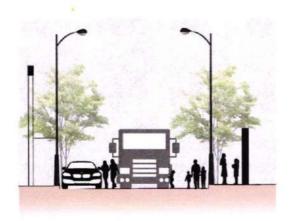
Due to varying road widths people don't have parking spaces hence they end up parking on the streets which creates a hindrance in the



D. Dead edge condition:

The dead walls on the edge make the street boring and creates isolated spaces on the street.





E. people walking on streets:

Due to unassigned foot paths people tend to walk on streets.



F. Risk of Chain snatching -

Chain snatching due to presence of blind spots on the street.



G. Speeding -

As this road is secondary there is less traffic, hence this promotes the youngsters to speed their vehicles which increases the risk.



ANALYSIS AND SOLUTIONS

A. Uneven road width creates bottle necks and also reduces the pedestrian movement, hence forcing people to walk on streets. This act questions their safety.

Solution: maintain a regular road width and increasing the foot paths for safe pedestrian movements.

B. The only public structure present is the throat hall, when the public gatherings are held, they don't get enough buffer along the entrance hence forcing them to spill over street. Also, the drop-offs are not introduced.

Solution: creating a public gathering space in front of the hall so that people could easily roam around. And also introducing the drop-off separated from the regular street.

c. Also, car parking spaces are not yet defined on the streets. Due to this people park their vehicles on the street that doesn't allow smooth vehicular movement and sometimes also lead to traffic jams.

Solution: introducing induced parking aligned to the footpaths

D. The edge condition of street has maximum dead walls that gives it a blank facade which is unused and brings no interest to the street. The height of these walls vary from 1.5m to 2.4m Solution: These walls can be used as blank canvas for showcasing local art or for making colourful paintings which will bring life to the street

E. Due to unassigned foot path, people tend to walk on the road which questions the safety. This is due to the varying road widths. Solution: giving regular 2m pedestrians paths along both edges with front edge planters and introducing tactile pavers for the blind.

F. The Light from the streets poles is blocked due to the foliage of trees which creates blind spots leading to the risk of chain snatching in the evening.

Solution: adding street lamps of lower heights (max5m) and with regular spacing of at most 12 -18 m

G. Since, this road is secondary it remains silent during early mornings and in the night. Also, because of various institutional structures student interaction is also more. This creates a problem of speeding due to no speed barriers. Solution: introducing speed breakers and ramblers along the streets.





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

Name of Program : Bachelor Of Architecture

Name of Course : Specification Writing 2 (Fourth Year)

Title of Assignment: Online Market Survey of Electrification work and Lifts.

Teaching methodology Adopted: Experiential Learning Name of the faculty: Niketa Kothavale, Sachin waze

Academic Year: 2020-21 Semester: Will

Objectives	 To develop skill of writing brief and detailed specification of item of work. To know importance of knowing various material options with rates available in market to write specifications in contract document.
Date /Duration of Activity	29/01/2021 , 12/03/2021
Venue	M.V.P.S's College of Architecture
Student Attended	Fourth Year B. Arch
No of Students Present	59
Photograph/Video Available	Photographs available





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

Brief about the Program (Activity/Event)	 To understand methodology of writing specification with reference to Service installations of different items of work in construction along with material exploration students are supposed to market survey. The main objective of market survey is to gathers information from market for ongoing pricing trends, customers preferences. It enables students to know various material options with rates available in market to write specifications in contract document.
Students Outcome/Works example	Techniques, Importance & methods of writing different types of specifications of different items of works in construction

Faculty in-charge xliketa kothavale

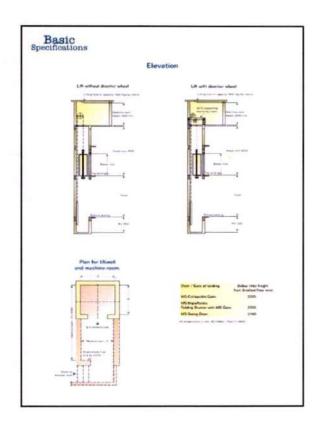
IQAC Co-ordinator
Maratha Vidya Prasarak Samaj's
COLLEGE OF ARCHITECTURE Nashik

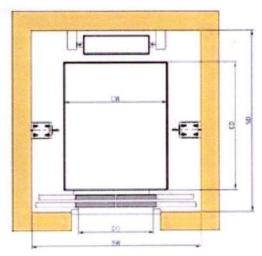
> Approved by (IQAC)





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Arrangement (B)

Arrangement (B)

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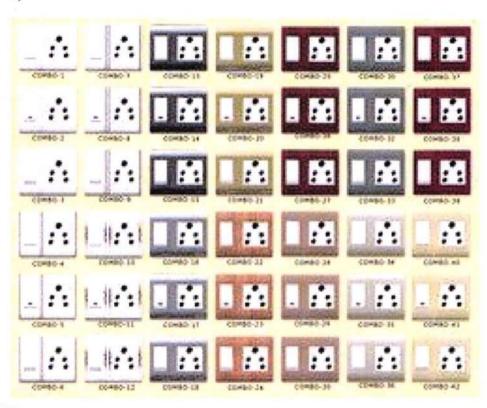




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Assignment – Do online market survey for various Electrical fittings available along with their market rates, application details etc.

1)







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