



**MVPS's SP College of Architecture**

Udhaji Maratha Boarding Campus, Off Gangapur Road, Nashik-13

Phone: 0253-2570822 E-mail: cansnashik@mvp.edu.in



# **Criterion VII - Institutional Values and Best Practices**

## **7.2 Best Practices**



## Criterion 7 – Institutional Values and Best Practices

### Key Indicator - 7.2 – Best Practices

**7.2.1 Describe two best practices successfully implemented by the institution as per NAAC format provided in the Manual.**

Sr. No.	Contents (Documents)
	<b>Bachelor of Architecture</b>
<b>A</b>	<b>Best Practice 1: Academic Exhibition</b>
1	Annual Exhibition Report (2023-24)
2	Feedback from students for exhibition
3	Series of spot exhibitions (2023-24)
4	Feedback from students for spot exhibition
<b>B</b>	<b>Best Practice 2: Hands on Workshop</b>
1	Workshop Reports (2023-24)

	<b>Bachelor of Design</b>
<b>A</b>	<b>Best Practice 1: Academic Exhibition</b>
1	Annual Exhibition Report (2023-24)
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## Bachelor of Architecture



## Criterion 7 – Institutional Values and Best Practices

### Key Indicator - 7.2 – Best Practices

**7.2.1 Describe two best practices successfully implemented by the institution as per NAAC format provided in the Manual.**

Sr. No.	Contents (Documents)
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<b>B</b>	<b>Best Practice 2: Hands on Workshop</b>
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## Criterion 7 – Institutional Values and Best Practices

### Key Indicator - 7.2 – Best Practices

**7.2.1 Describe two best practices successfully implemented by the institution as per NAAC format provided in the Manual.**

<b>BEST PRACTICE - 1 : Academic Exhibition</b>			
<b>Bachelor of Architecture</b>			
<b>A.Y. Year</b>	<b>Sr.no.</b>	<b>Date</b>	<b>Event</b>
2023-24	1	25-03-2024 – 25-06-2024	Academic exhibition
		16-08-2023 – 23-08-2023 24-09-2023 – 30-09-2023 31-01-2024 - -07-02-2024 14-03-2024 – 20-03-2024	
	2	16-04-2024 – 23-04-2024	Series of Spot Exhibitions



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## A report on Annual Academic Exhibition

Academic Year: 2023-24

<b>Objectives</b>	<ul style="list-style-type: none"><li>To host exhibition to reach out to stakeholders like aspiring students, their parents</li><li>To provide a platform for students to exhibit their works and open avenues for students for future prospects.</li><li>To facilitate healthy competition amongst students</li></ul>
<b>Name of Resource Person</b>	Gaurav Arbooj
<b>Resource Person Post and Organization</b>	Exhibition committee
<b>Date and Time</b>	25/03/2024 onwards
<b>Venue</b>	Entrance foyer MVPS's SP College of Architecture
<b>Program in-Charge</b>	Prof. Gaurav Arbooj
<b>Student Attended</b>	Entire College
<b>No of Students Present</b>	NA
<b>Program Approved by</b>	Chairman – Prof. Arpita Bhai Exhibition Committee
<b>Supporting Staff Member</b>	Prof. Nitesh Patil
<b>Photograph/Video Available</b>	Photographs not available

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<b>Brief about the Program (Activity/Event)</b>	<p>This year's exhibition primarily focussed on exhibiting works done across the entire cross section in the 5 year curriculum in a concise manner. The panel displays showed subject wise academic progress from first to last semester. This facilitated easy understanding to a non-field person. The learning and skills progression was critically seen as a graph one should aim to achieve as an architecture student. All the subjects from design, technology, theory, history, hands on workshop subjects.</p> <p>Some of the brilliant academic works were compiled together. Students designed the layout of exhibition and exhibition panels. The student's council took the lead in organising everything. A team of faculty members was involved to curate the work. Student's council put up the entire exhibition.</p> <p>The exhibition is visited by aspirant students and their parents. The complete scope of works done in the architectural curriculum were put up in exhibition. This gave the stakeholders a fair idea about the field of architecture.</p>
<b>Remarks</b>	Concise format of exhibition and subject wise panels proves more efficient for easy understanding of overall picture

Program in-charge

Prof. Arpita Bhat

Approved by

(Committee Chairman)

Principal





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## A report on Annual Academic exhibition



Display of Works in the Entrance Corridor



Display of Works in the Entrance Corridor

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# COA\_NATA Exhibition feedback 2023 - 24

March - June 2023 Academic exhibition

\* Indicates required question

1. Did you go through the exhibition panels when visiting the campus for NATA exams? \*

Mark only one oval.

- Yes  
 No  
 Partially

2. Did the display panels generated curiosity about the field of architecture? \*

Mark only one oval.

- Yes  
 No  
 Little bit

3. Did your parent's visit the exhibition ? \*

Mark only one oval.

- Yes  
 No



4. Which part / panel of the exhibition interested you the most? \*

*Check all that apply.*

- Design panel
- Technical panel
- History panel
- Models
- Tours Panel
- Alumni achievement panel
- Practical training experience of students

5. How much know how could you get of the field of architecture?

*Mark only one oval.*

1 2 3 4 5

Very      Far better

6. How much did you learn about curriculum and scope of work in in architectural course after seeing works from all classes?

*Mark only one oval.*

1 2 3 4 5

Notl      Completely

7. Did you interact with the designated representative to get more information?

*Mark only one oval.*

- Yes
- No





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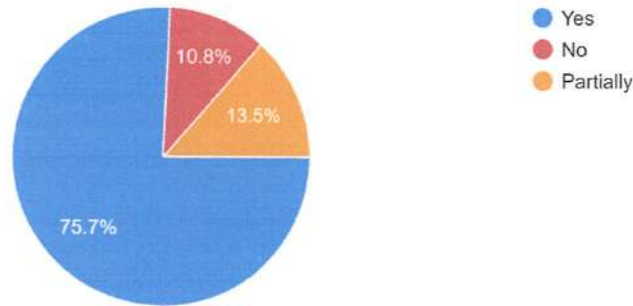
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## COA\_NATA Exhibition feedback 2023 - 24

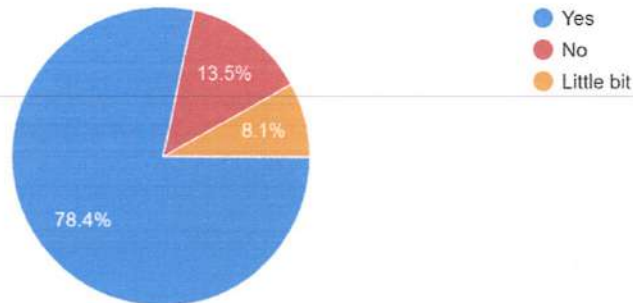
Did you go through the exhibition panels when visiting the campus for NATA exams?

37 responses



Did the display panels generated curiosity about the field of architecture?

37 responses



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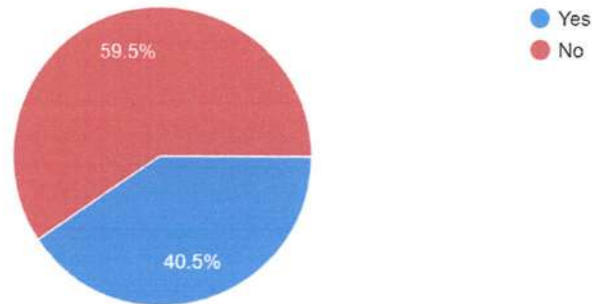
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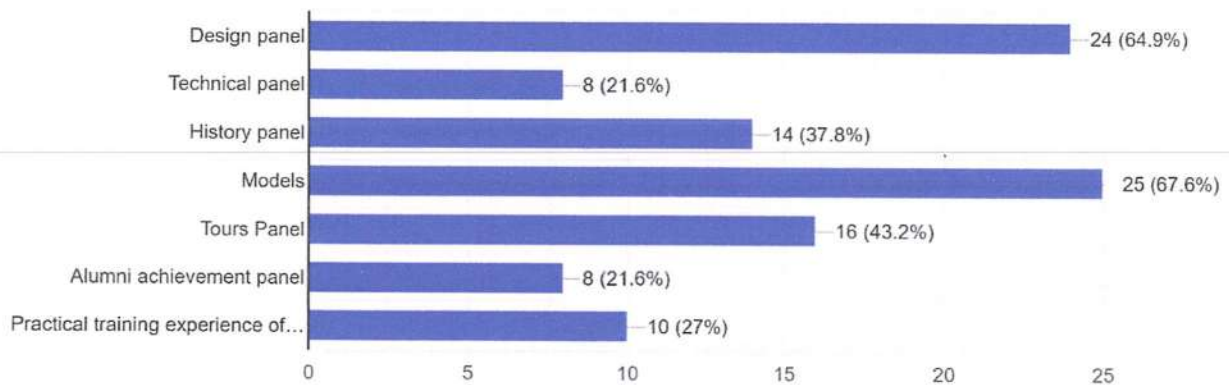
Did your parent's visit the exhibition ?

37 responses



Which part / panel of the exhibition interested you the most?

37 responses



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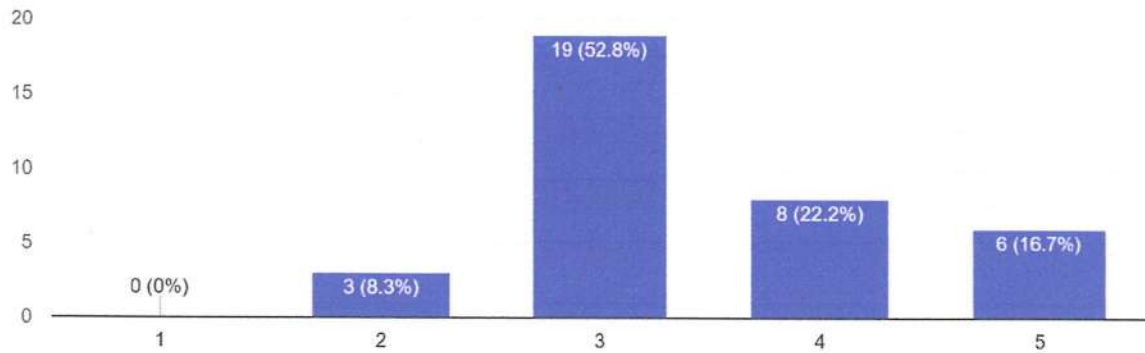
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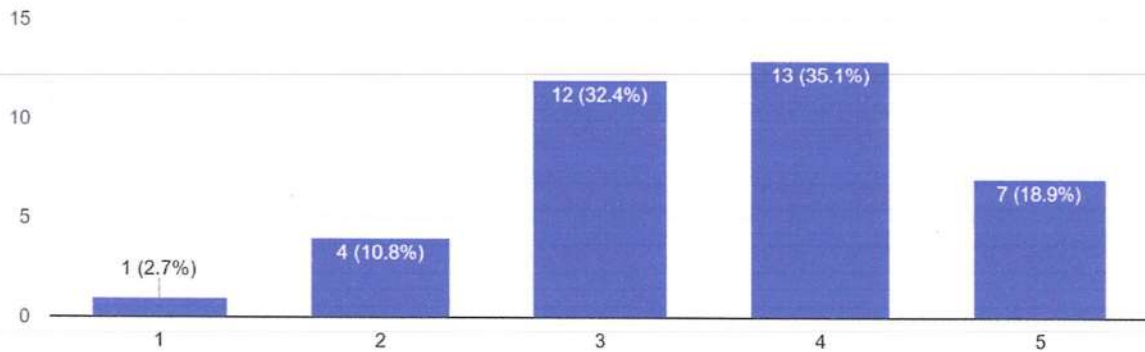
How much know how could you get of the field of architecture?

36 responses .



How much did you learn about curriculum and scope of work in in architectural course after seeing works from all classes?

37 responses



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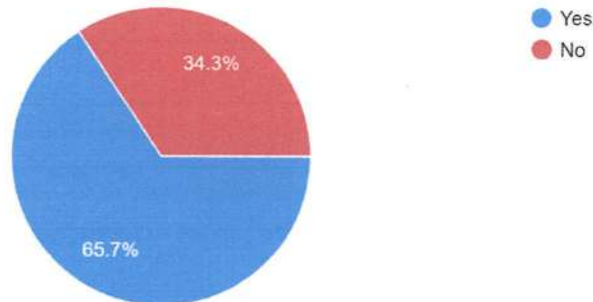
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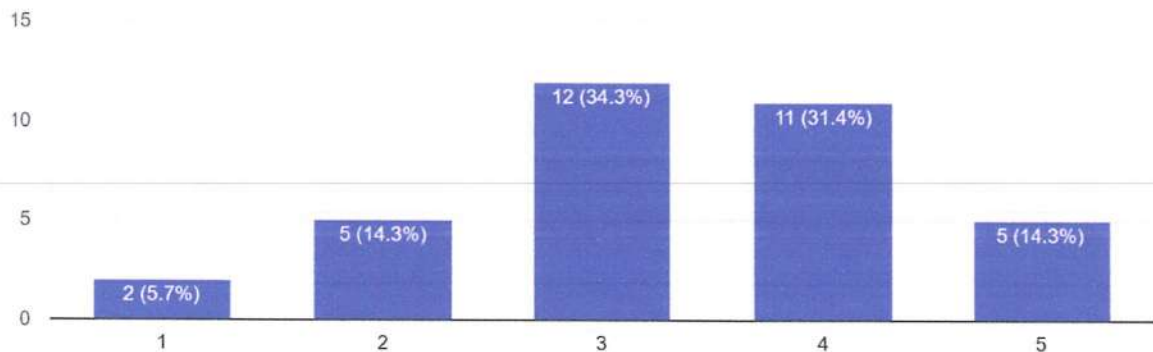
Did you interact with the designated representative to get more information?

35 responses



How much did the interaction helped you to prepare for architectural curriculum?

35 responses



Due to its high visibility, interesting and legible display as well as explanation given by faculty representatives the exhibition was visited by more that 75 % of students. This generated curiosity amongst aspirant students about the architectural curriculum. However, around 40 % of parents actively visited the exhibition. The design panels and models were most effective for stakeholder engagement (above 65%) followed by tour and history panels (35-45 %). The technical panels along with alumni achievement and practical training did not engage the visitors as much (8-10%). About 50 % of the students could gauge a bit of understanding of the architectural field and its curriculum. The interaction with representatives at the panels also helped the stakeholders make informed decisions.

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## Series of Spot exhibitions

Academic Year : 2023-24

<b>Year</b>	First to Final year
<b>Subject Name</b>	<ul style="list-style-type: none"><li>• Electives (Third year)</li><li>• Electives (Fourth year)</li><li>• Urban studies (fourth year)</li><li>• Communication skills (First year)</li></ul>
<b>Objective</b>	<p>To host intermittent class wise spot exhibitions throughout the year</p> <p>To convey the innovative works done in different studios to the entire student cross section vertically as well faculty members across disciplines.</p> <p>To dissipate the knowledge of a particular subject and scope of the same to junior years.</p> <p>To establish key marking as per CIE schedule for the part work completed for the semester</p>
<b>Date &amp; Duration of Activity</b>	<p>Week long -</p> <p>16 August 2023 - Urban Studies I</p> <p>24 September 2023 - Electives III</p> <p>31 January 2024 - Urban studies II (Tour)</p> <p>14 March 2024 - Electives II, Electives IV, Electives V</p> <p>16 April 2024 - Urban studies II (Heritage walk)</p>
<b>Venue</b>	Atrium passage, MVPS's SP College of Architecture
<b>No of Students Present</b>	NA
<b>Photograph/Video Available</b>	Yes

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<b>Brief about the Program (Activity/Event)</b>	<p>Intermittent spot exhibition is scheduled within the semester for various subjects. The work done is put for display in corridors for other classes to see, observe and learn. This also accounted for major mid term CIE for that particular subject. Students had to finish their work on time to put up an exhibition and this reduced submission load at the end of the semester.</p> <p>For the subject of electives, where 5-8 electives are being opted by students, it was a good learning experience for students as well as teachers to see the approach and works being done in other elective studios. Students also get to know about the electives they have not opted for.</p>
<b>Remarks</b>	Students get prepared for the final exams, Good vertical peer learning can be observed.

*Phases*

Faculty in-charge

*W. B. Patil*

Approved by  
(IQAC)

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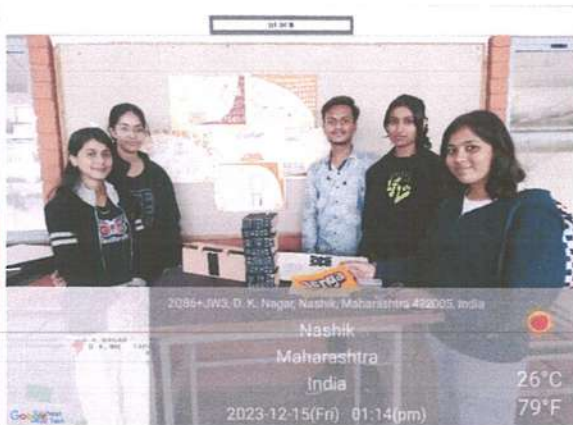
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Students explaining work done in Urban Studies II - Heritage walk Design (Fourth Year Architecture)



Students explaining work done in Communication Skills (First Year Architecture)



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Students explaining work done in Communication Skills (First Year Architecture)

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# Feedback - Spot Exhibitions 2023 - 24

Feedback of spot exhibitions of semester work

\* Indicates required question

1. Name \*

---

2. Class \*

Mark only one oval.

- First Year Architecture
- Second Year Architecture
- Third Year Architecture

3. Did you look at the work displayed in the atrium - about the subject of urban studies and electives by fourth year architecture students?

Mark only one oval.

- Yes
- No

4. Did it interest you to look closely and understand the subject and the topic in more depth? \*

Mark only one oval.

- Yes
- No



5. How much did you understand about the subject of Urban studies and various electives ? \*

Mark only one oval.

1 2 3 4 5

Very      Far better

6. Did it help you understand the wider avenues available in field of architecture?

Mark only one oval.

1 2 3 4 5

Very      Far better

7. Are you keen and excited to work on similar projects in your higher years?

Mark only one oval.

Yes

No

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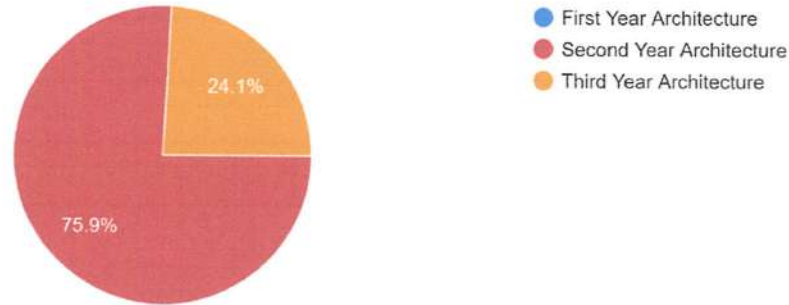




## Feedback - Spot Exhibitions 2023 – 24

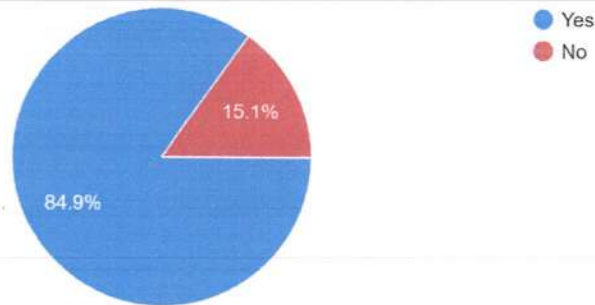
Class

54 responses



Did you look at the work displayed in the atrium - about the subject of urban studies and electives by fourth year architecture students?

53 responses



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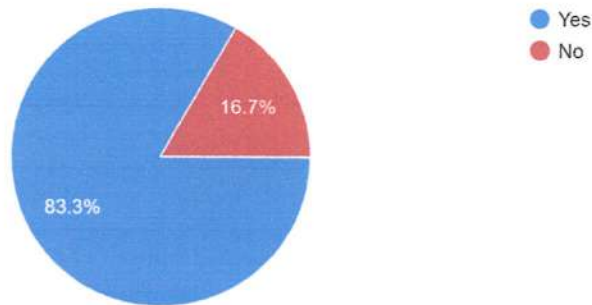
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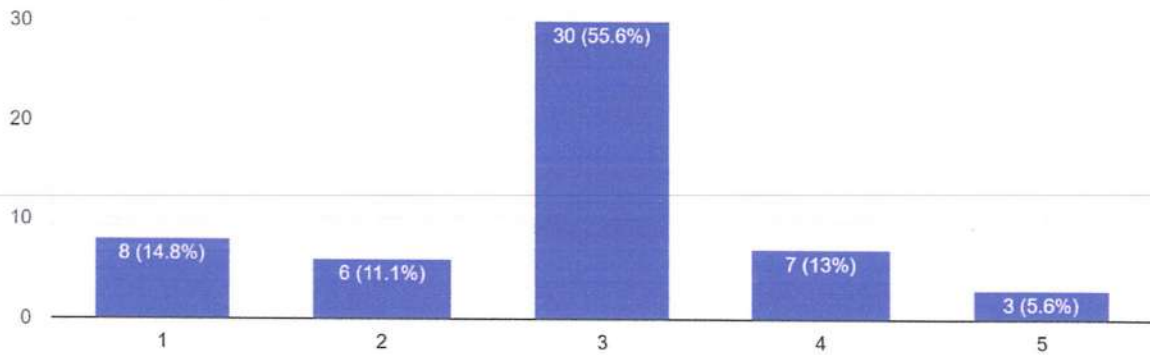
Did it interest you to look closely and understand the subject and the topic in more depth?

54 responses



How much did you understand about the subject of Urban studies and various electives ?

54 responses



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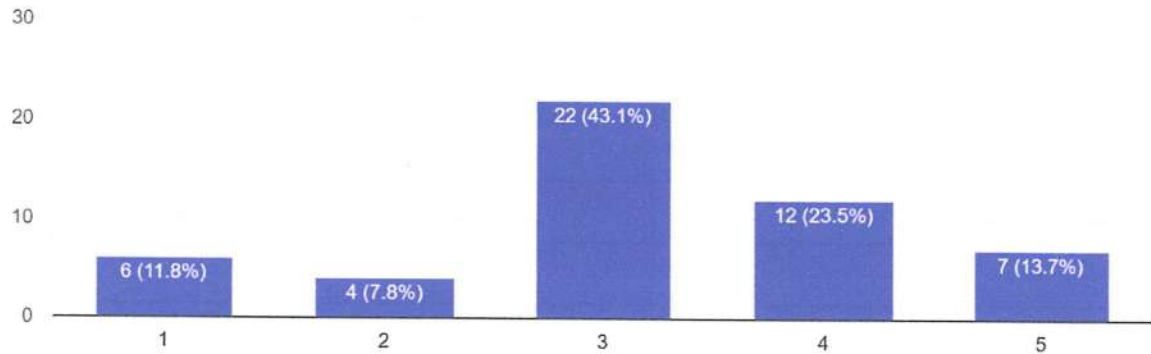
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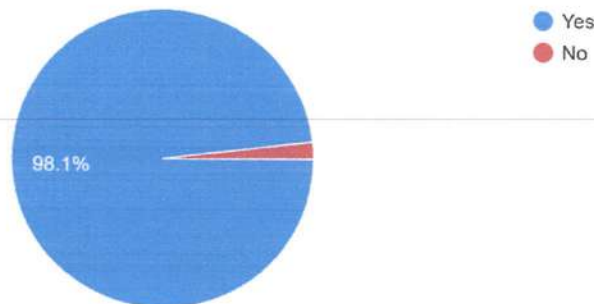
Did it help you understand the wider avenues available in field of architecture?

51 responses



Are you keen and excited to work on similar projects in your higher years?

54 responses



The exhibition was seen by mostly second year (75%) and third year(25%) students. The Display in the atrium passage on the way to lecture halls ensured better visibility. Students took interest to look closely at the works display. Very few (16%) students passed the exhibition without having a closer look for the lack of clarity about the subject matter and its relevance to them. Students(55%) gained partial understanding of the subject works displayed. Such display works intrigues and encourages and prepares junior year students for further coursework in higher years. Preparing for exhibition and hence completing the assignment in all aspects including final presentation was helpful in establishing key milestone mid term marking.

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## Criterion 7 – Institutional Values and Best Practices

### Key Indicator - 7.2 – Best Practices

**7.2.1 Describe two best practices successfully implemented by the institution as per NAAC format provided in the Manual.**

<b>BEST PRACTICE - 2 : Hands on Workshop</b>			
<b>Bachelor of Architecture</b>			
<b>A.Y. Year</b>	<b>Sr.no.</b>	<b>Date</b>	<b>Event</b>
2023-24	1	15-09-2023	Ganpati Idol making
	2	7-11-2023, 8-11-.2023 and 11-11-2023	Terracotta Sculpture making –
	3	17-11-2023 to 15-12-2023 (Weekly process for 5 weeks)	Game design for Indian Crafts
	4	02-01-2024 – 16-01-2024	Models of light and emotions Spatial expression of Emotions
	5	17-01-2024 & 24-01-2024	Brick bonds and masonry Models
	6	26-02-2024 – 04-03-2024	Bamboo construction and architectural practices
	7	23-03-2024 & 27-03-2024	Timber Joinery Models
	8	03-05-2024	Structural systems Model making
	9	08-05-2024 & 15-05-2024	Timber Truss Models





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**Name of Program:** F. Y. B. Arch.  
**Name of Course:** Ganesha Idol Making workshop  
**Teaching methodology Adopted:** PARTICIPATIVE LEARNING  
**Name of the faculty:** Prof. Sankalp G. Bagul Prof. Levant G. Gavande  
**Academic Year:** 2023-24 **Sem:** I

<b>Objectives</b>	To teach participants the techniques of shaping, molding, and detailing Ganesha idols using eco-friendly materials. To provide an understanding of the cultural significance and traditions related to Ganesha idol making. To encourage creativity and personal expression in crafting unique, hand-made Ganesha idols.
<b>Date &amp; Duration</b>	15 <sup>th</sup> September 2023 1:30 pm to 5:00 pm
<b>Venue</b>	MVPS SP. College of Architecture Nashik
<b>Student Attended</b>	Open to all B. Arch Students
<b>No of Students Present</b>	50
<b>Brief about the Program (Activity/Event)</b>	In this one-day <b>Ganesha Idol Making</b> workshop, participants will learn to craft Ganesha idols using eco-friendly materials. They will explore shaping, molding, and detailing techniques, while understanding the cultural significance of Ganesha. At the end, participants will take home their own hand-made idol.
<b>Students Outcome/Works example</b>	Student will gain skills in crafting Ganesha idols using eco-friendly materials. They will learn shaping, molding, and detailing techniques, while understanding the cultural significance of the idol.

  
Program In-charge

  
Approved by  
(Committee Chairperson)

  
Principal

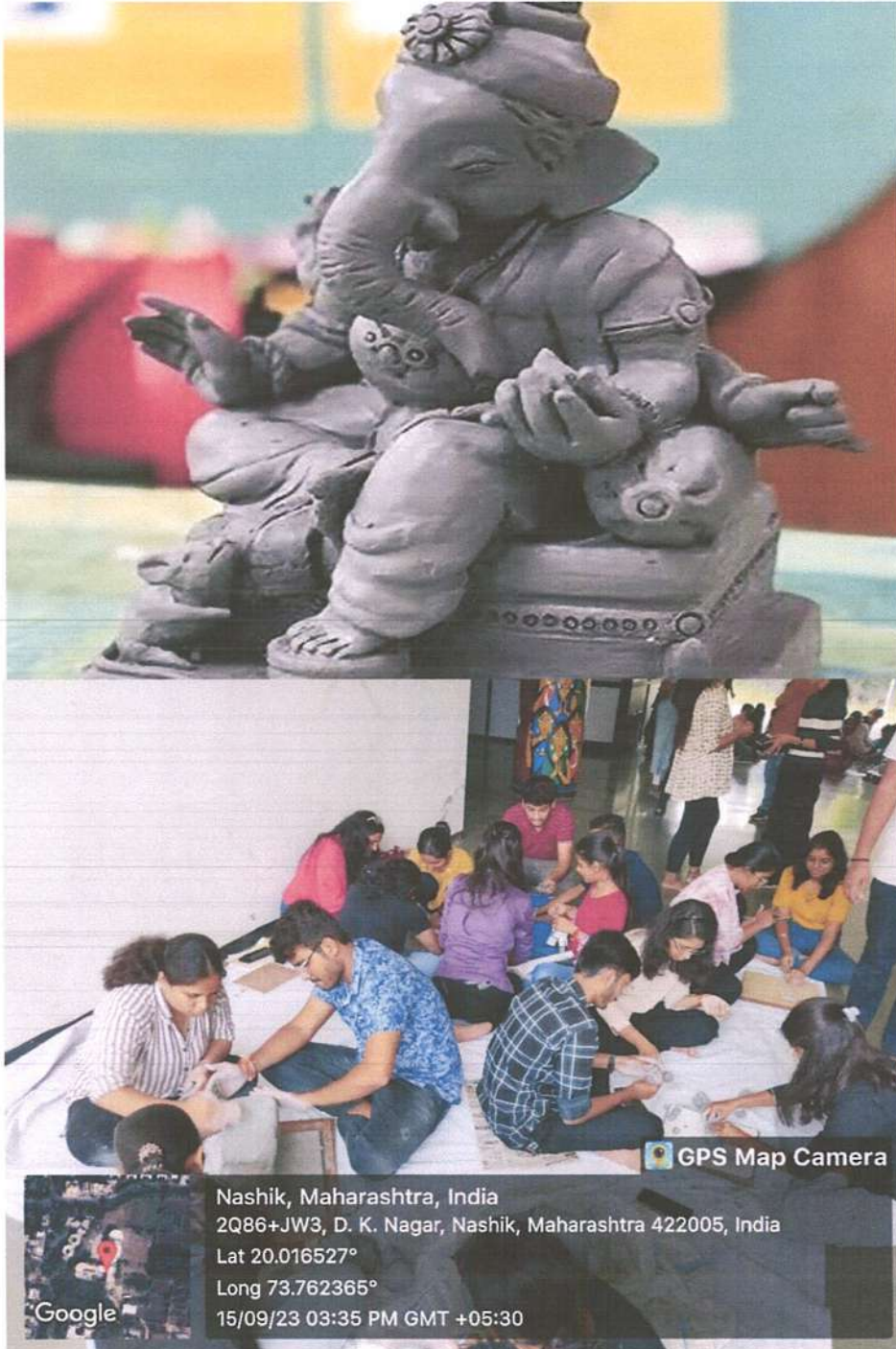
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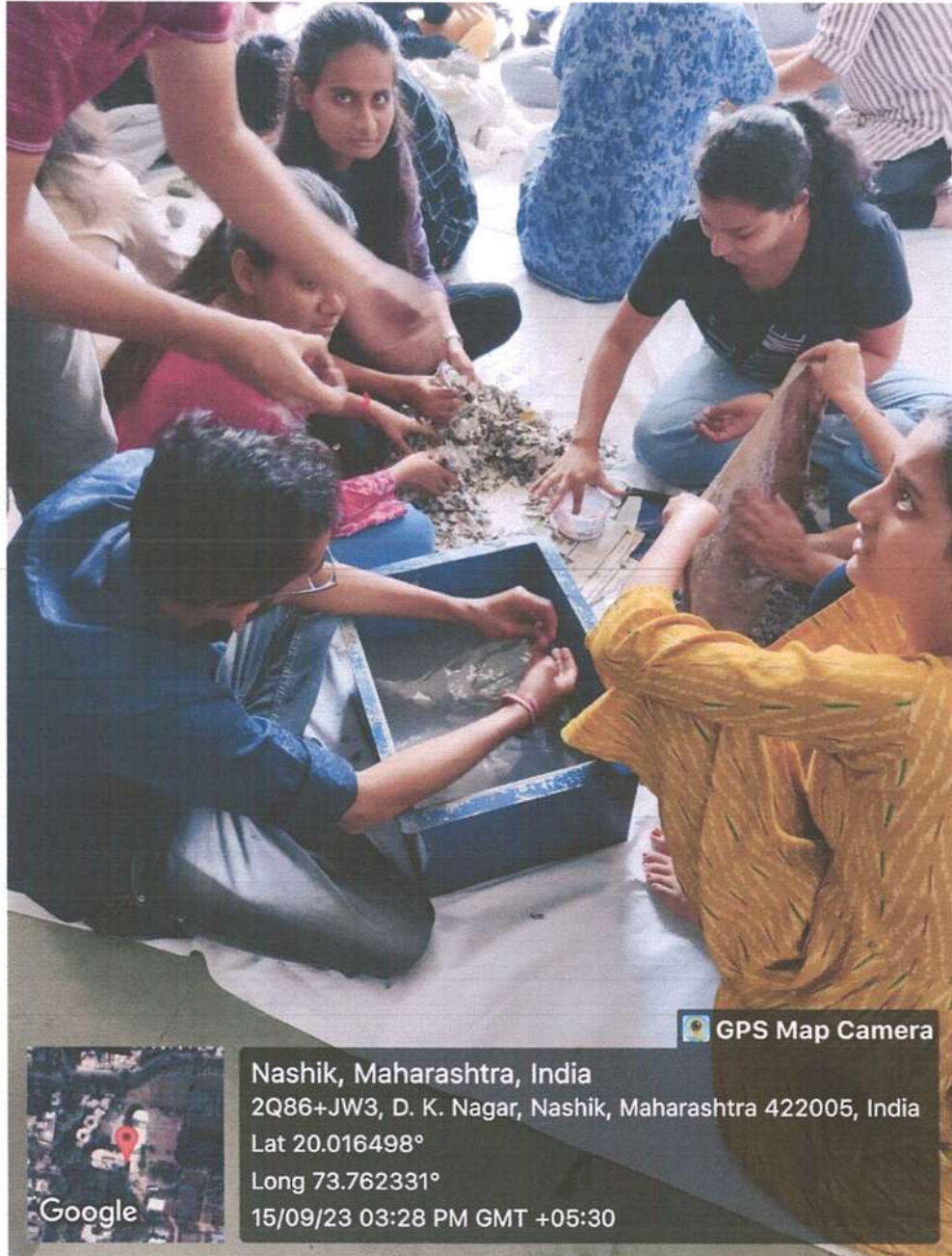




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GPS Map Camera



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Long 73.762331°

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**Name of Program:** F. Y. B. Arch.  
**Name of Course:** Audit Course  
**Title of Assignment:** Terracotta Sculpture  
**Teaching methodology Adopted:** PARTICIPATIVE LEARNING  
**Name of the faculty:** Prof. Sankalp G. Bagul Prof. Levant G. Gavande  
**Academic Year:** 2023-24 Sem: i

<b>Objectives</b>	<ul style="list-style-type: none"><li>To understand the properties and characteristics of <b>terracotta</b> as a sculpting material.</li><li>To learn various <b>terracotta sculpting techniques</b>, including molding, modeling, and firing.</li><li>To gain practical experience in <b>handling</b> and working with <b>terracotta</b>, from shaping to finishing the sculpture.</li></ul>
<b>Date &amp; Duration</b>	7 <sup>th</sup> 8 <sup>th</sup> & 11 <sup>th</sup> November 2023 8:30 am to 3:00 pm
<b>Venue</b>	MVPS SP. College of Architecture Nashik
<b>Student Attended</b>	First Year B. Arch.
<b>No of Students Present</b>	38 (A Div.), 38 (B Div.)
<b>Brief about the Program (Activity/Event)</b>	<ul style="list-style-type: none"><li>This activity focuses on <b>terracotta sculpture</b>, where students will learn to shape and mold terracotta. They will practice techniques like modeling and firing to create sculptures. The activity offers hands-on experience in working with terracotta from start to finish.</li></ul>
<b>Students Outcome/Works example</b>	<ul style="list-style-type: none"><li>Students will learn to shape and mold <b>terracotta</b>.</li><li>They will understand how to <b>fire</b> and finish a sculpture.</li><li>Students will create a finished <b>terracotta sculpture</b> using the techniques learned.</li></ul>

Program In-charge

Approved by  
(Committee Chairperson)

Principal

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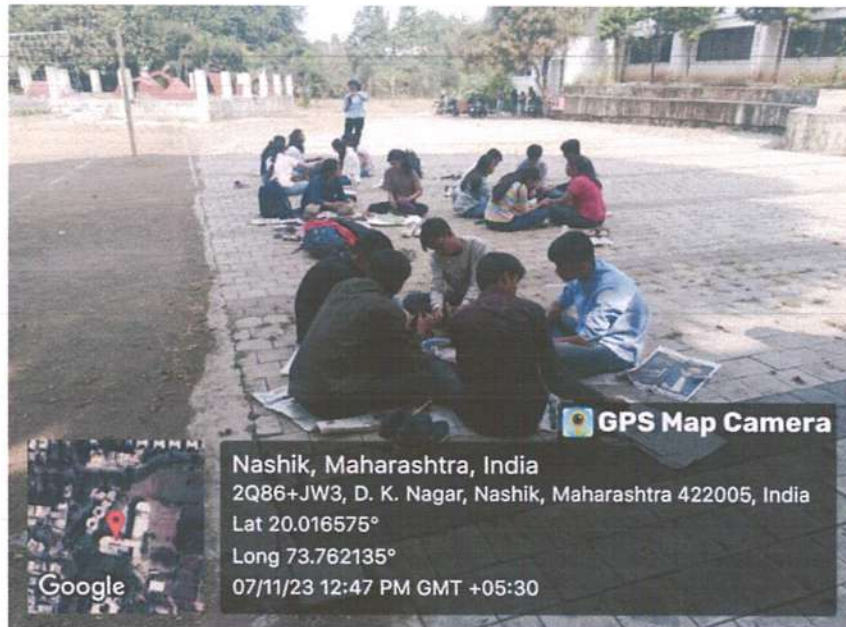
# MVPS's S.P. College of Architecture

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students Work



Students Work

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### Board Games to Promote Indian Art Forms

Academic Year : 2023-24

Semester : I

<b>Year</b>	First Year B.Arch.
<b>Subject Name</b>	Communication Skills
<b>Subject Code</b>	4201907 (SS)
<b>Teaching Methodology Adopted</b>	Participatory & Problem Solving
<b>Name of the Faculty</b>	Prof. Radhika Bhattad, Prof. Shreya Khare Prof. Purva Shah, Prof. Amruta Sawant
<b>Objective</b>	India is a country with diverse art forms. The presence of these art forms is getting vanished with the generations. The aim of this assignment is to promote these art forms in the form of board games.
<b>Date &amp; Duration of Activity</b>	17/11/23. 24/11/23. 01/12/23. 09/12/23. 15/12/23 11:30 am to 2:30 pm (5 weeks)
<b>Venue</b>	MVPS's S.P. COA, Nashik
<b>No of Students Present</b>	Div A – 37 & Div B – 36
<b>Photograph/Video Available</b>	Yes

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<b>Brief about the Program (Activity/Event)</b>	<p><b>Stage 1</b> – The class was divided in the groups of 4-5 students each and they had to select an art form.</p> <p><b>Stage 2</b> – The students made infographics sheet explaining each art for in detail. The content of the sheet included origin, history, materials used &amp; process making the art.</p> <p><b>Stage 3</b> – The students then made mind maps of 2-3 types of board games applicable to promote the selected art form.</p> <p><b>Stage 4</b> – The students then made the actual board game along with its flash cards, rule book, logo &amp; packaging. The board game was such that they can actually play with it.</p> <p><b>Stage 5</b> – The students actually displayed their games in class where they were explaining their game &amp; they were actually playing each other's games.</p>
<b>Remarks</b>	This activity enabled the students to enhance their graphical. model making & verbal communication skillset. Such consolidated activities grip the interest of the students to give a good output.

Faculty in-charge

Approved by  
(IQAC)







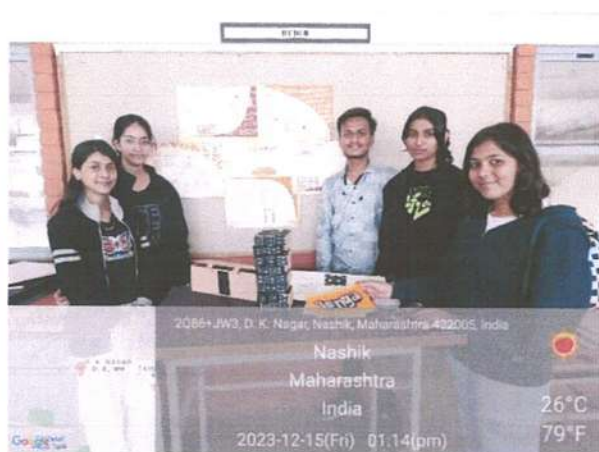
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### PHOTOGRAPHS:



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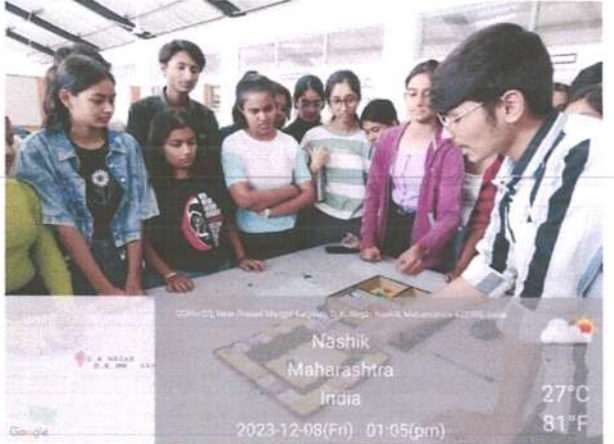
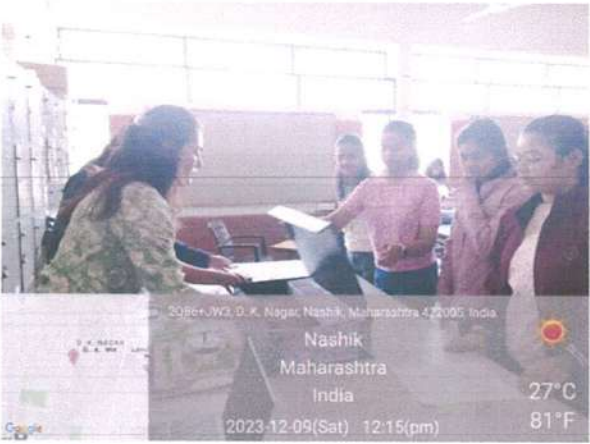




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# MVPS's SP College of Architecture

Udhaji Maratha Boarding Campus, Off Gangapur Road, Nashik-13

Phone: 0253-2570822 E-mail: cansnashik@mvp.edu.in



## Model making: light and emotions

Academic Year : 2023-24

Semester : IV

<b>Year</b>	Second Year B.Arch.
<b>Subject Name</b>	Architectural Design III
<b>Subject Code</b>	2201926
<b>Teaching Methodology Adopted</b>	Participatory with horizontal integration with the subject of Building Services II
<b>Name of the Faculty</b>	Purva Shah, Hemant Thakre, Gaurav Arbooj, Niketa Kothavale, Nitesh Patil, Yusuf Nasikwala, Vrushali Rajee, Akshay Lunawat
<b>Objective</b>	To explore spatial impact on emotions of a person while navigating through a space through various aspects of a space such as volume, scale, light etc.
<b>Date &amp; Duration of Activity</b>	2 Weeks Programme From January 2024
<b>Venue</b>	MVPS's SP College of Architecture, Nashik
<b>No of Students Present</b>	Div A - 43 & Div B - 38
<b>Photograph/Video Available</b>	Yes

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<b>Brief about the Program (Activity/Event)</b>	<p>The programme was designed to explore the capacity of a space to evoke various emotions as people experience different spaces. Aspects like Scale, volume, light, texture etc were challenged to understand the impact of the same on human emotions.</p> <p>Students made study models of various cases experimenting with the aforementioned aspects of a space to test the models in sunlight. The exercise helped students to affirm the ideas of scale and proportion w.r.t to human anthropometry. The play of light and its presence, absence and control was explored. The Daylighting chapter of BS II helped students to understand the technicalities of drawing light within and in the AD III studio they could associate intangible emotional aspects to the same.</p> <p>Students associated different study models with different emotions depending on those aspects and could develop a summary of spatial characteristics required to evoke certain kind of emotions.</p>
<b>Remarks</b>	<p>The exercise helped students understand the value and impact architecture can have on human minds. The learning was applied later in the design studio. Model making process of design thinking was emphasized as an important design and decision making tool in the process.</p>

Purva Shah

**Faculty in-charge**

**Approved by (IQAC)**

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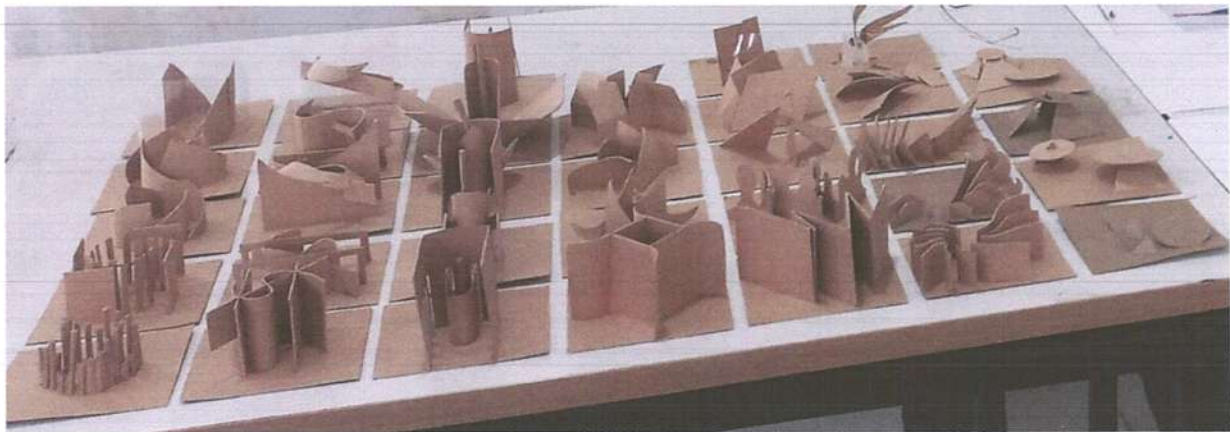
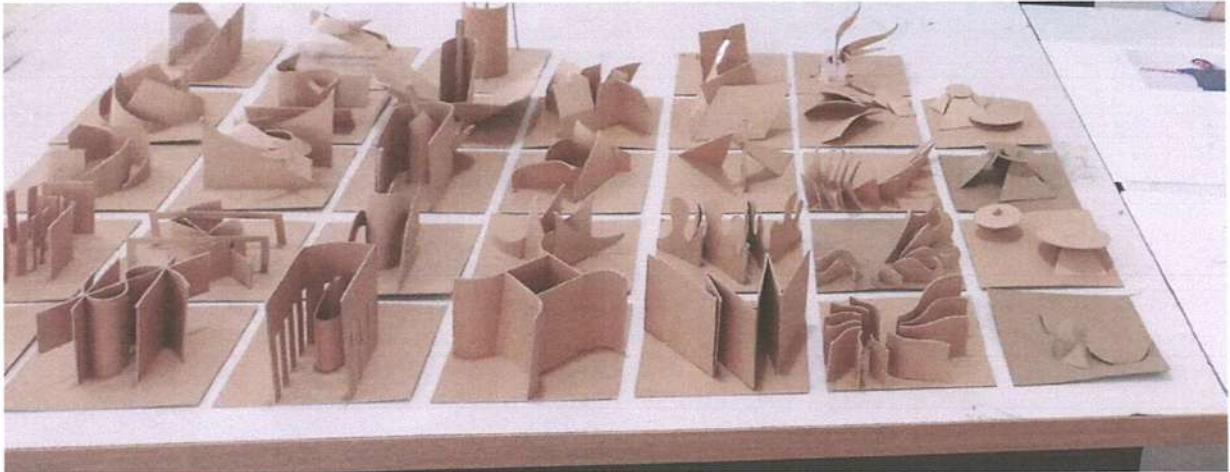
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## STUDENTS WORK:



Student's exploration of understanding light through models

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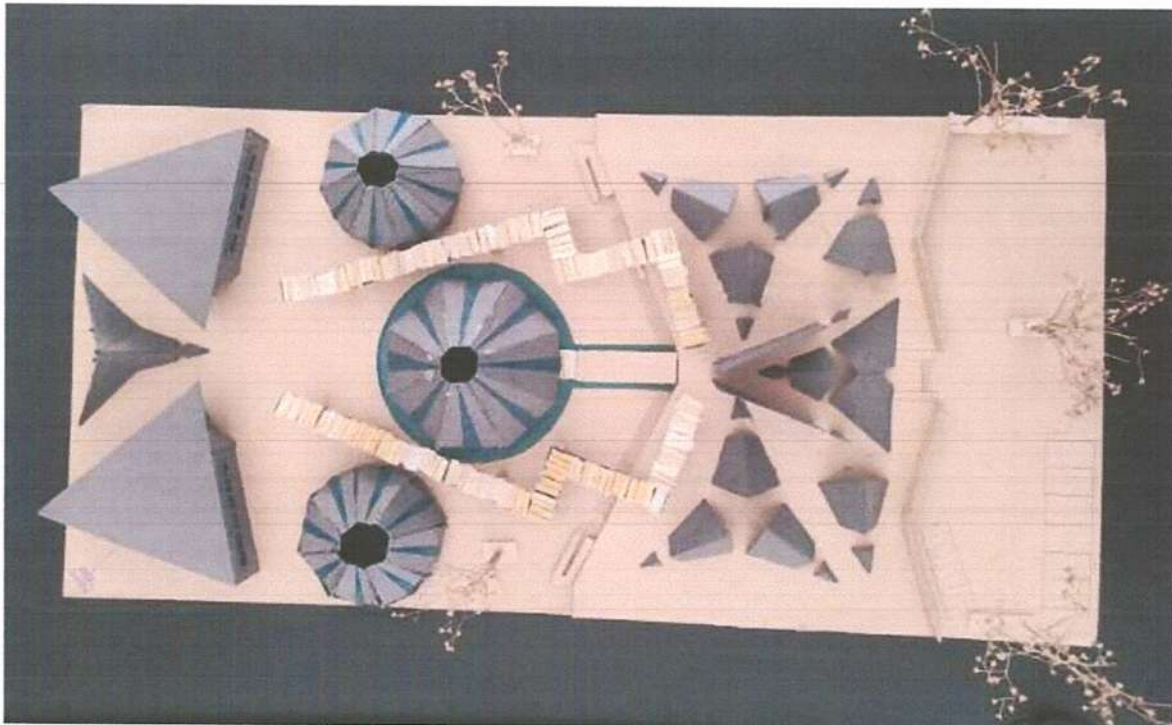
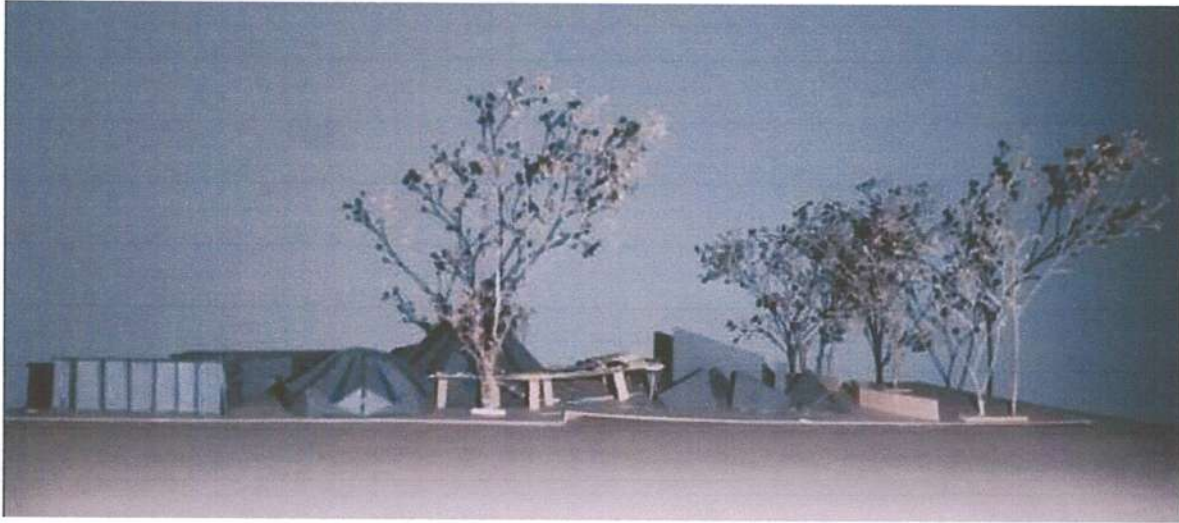




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Final output after model explorations - Prajjwal Datrang

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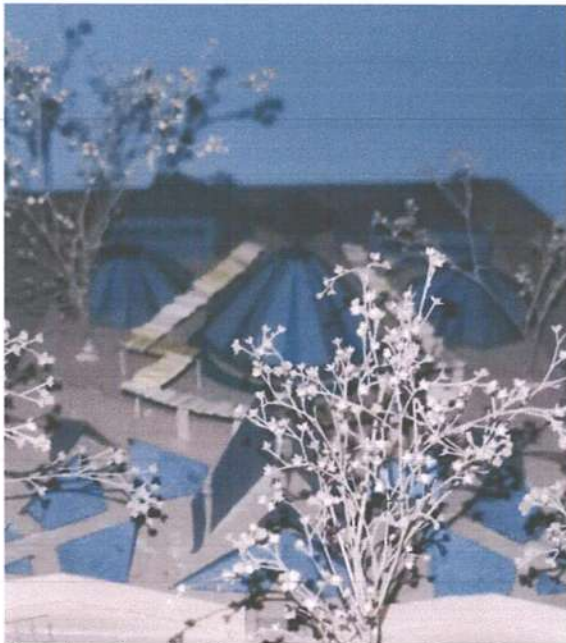
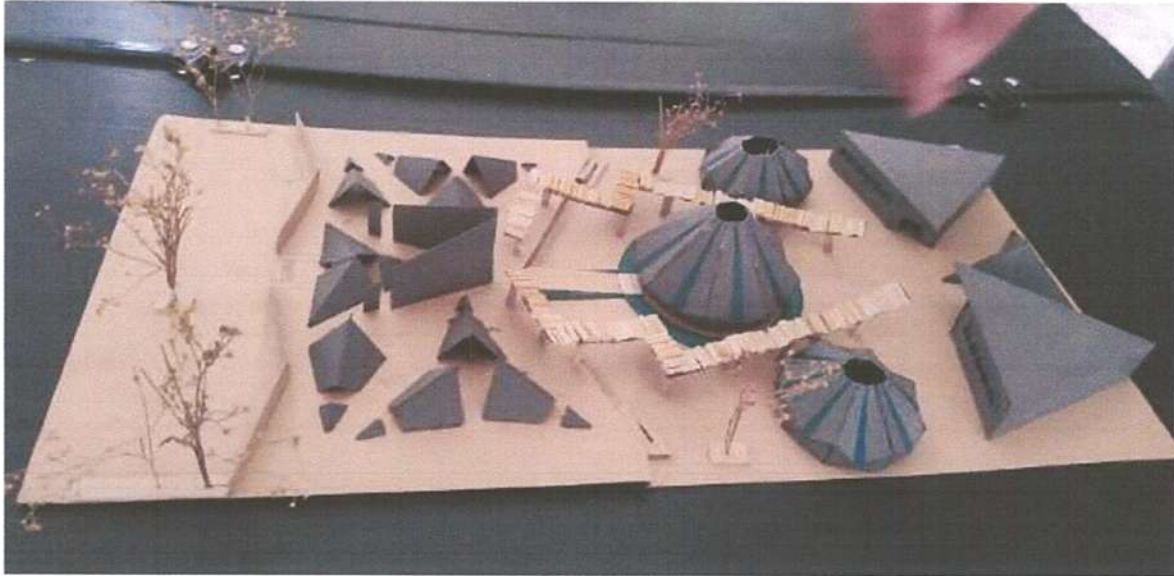




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Final output after model explorations - Prajjwal Datrange

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**Name of Program:** F. Y. B. Arch.  
**Name of Course:** Workshop-I  
**Title of Assignment:** Brick bonds and masonry (Integration with BCM-I)  
**Teaching methodology Adopted:** PARTICIPATIVE LEARNING  
**Name of the faculty:** Prof. Sankalp G. Bagul Prof. Levant G. Gavande  
**Academic Year:** 2023-24 **Sem:** I

<b>Objectives</b>	<ul style="list-style-type: none"><li>To Introduction to building materials with characteristics and Applications.</li><li>To introduce to the students, Various building material, its types, properties</li><li>To understand the construction of Brick masonry walls and types of Bonds</li></ul>
<b>Date /Duration of Activity</b>	17/01/2024 & 24/01/2024 (3+3= 6 hrs)
<b>Venue</b>	MVPS SP College of Architecture Nashik
<b>Student Attended</b>	First Year B. Arch.
<b>No of Students Present</b>	38 (A Div ), 38 (B Div )
<b>Photograph/Video Available</b>	Photographs available
<b>Brief about the Program (Activity/Event)</b>	<ul style="list-style-type: none"><li>This Assignment is integrated with the subject BCM-I</li><li>Students have Prepared Sheet about various types of Brick bond</li><li>The students prepared Scaled bricks, using terracotta clay then they will make bonds.</li><li>The students documented the data in sketches and notes format in journal.</li></ul>
<b>Students Outcome/Works example</b>	<ul style="list-style-type: none"><li>Through this hands-on Activity student will understand Various building material, its types, properties</li><li>Brick bonds &amp; masonry</li></ul>

Program In-charge

Approved by  
(Committee Chairperson)

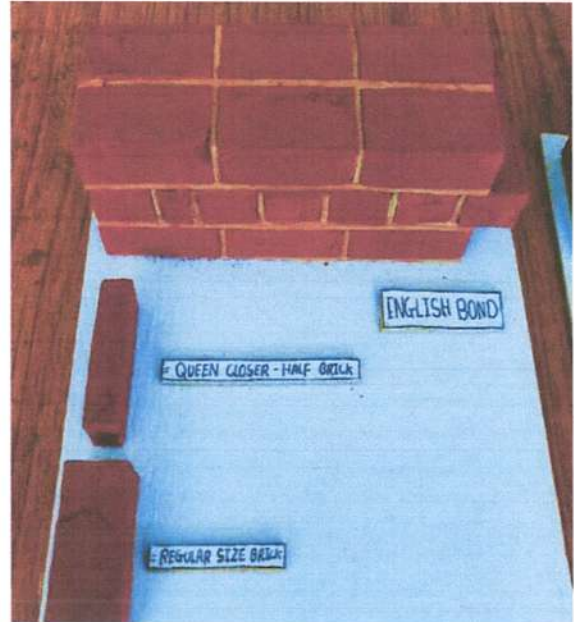
Principal



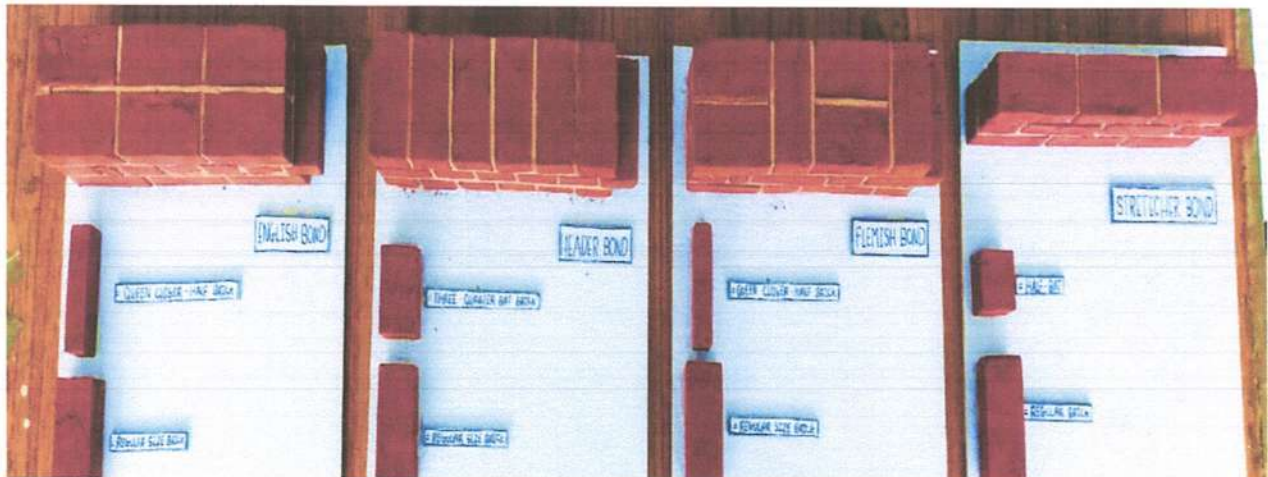




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Students Work



Students Work

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## Electives VI – Sem X [Group 1]

# 'Bamboo Construction & Architectural Practices Training'

in collaboration with  
**Jan Shikshan Sansthan, Nashik**  
**Bamboo Research & Training Centre, Chandrapur**

**MVPS's Sharadchandraji Pawar College of Architecture, Nashik**

**Mentor – Shri. Sandip Gadekar**

**Coordinator – Mrs. Jyoti Landge (Director JSS, Nashik)**

**Shri. Sandip Sinde, Shri. Dattatray Bhoknal**

**Prof. Sheetal Chougule & Prof. Umesh Hirawe**

**26<sup>th</sup> Feb – 4<sup>th</sup> March 2024**



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## GROUP 1

Mentor- Shri. Sandip Gadekar

Co-ordinator - **Prof. Umesh Hirve and Prof. Sheetal Choughule**

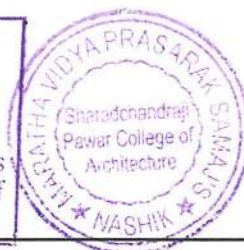
Group Members -

1. Jayesh Kadav
2. Abhijit Chavanke
3. Shyam Handore
4. Rushikesh Falle
5. Shreeram Kanawade
6. Pragati Desai
7. Kanchan Khair
8. Purnada Bachhav
9. Shloka Kothawade
10. Dipti Bhoje
11. Arpita Borade
12. Kanishka Gunjal
13. Kanishka Jagtap
14. Deep Agarwal
15. Ninad Chavan
16. Rushi Kapote
17. Sumedh Jadhav
18. Sunny Bhimani
19. Mansi Wagh
20. Payal Pardeshi



Co-Ordinator  
Ar. Umesh Hirve

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Co-Ordinator  
Smt. Jyoti Landge

## PREFACE -

This report summarizes a bamboo construction and architecture training program jointly organized by the Bamboo Research and Training Centre, Chichpalli, Nagpur, and Jan Shikshan Sansthan, Nashik, held at MVP's College of Architecture, Nashik. Organized for 5th and 3rd-year students, the program explored bamboo's construction potential and design versatility. Through intensive training and hands-on exercises, participants explored bamboo's structural and aesthetic possibilities, fostering innovation in architectural solutions. This report reflects our shared learning journey and commitment to sustainable design practices.

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## CONTENTS -

1. **Day 1 - Programme Introduction**
2. **Day 2 -**
  - a. Introduction to Tools and Techniques
  - b. Miniature Study Model Making
3. **Day 3 - Bamboo Bending**
4. **Day 4 -**
  - a. Site Visit to Lakhalgaoon
  - b. Centre Line marking
5. **Day 5 -**
  - a. Footing Excavation
  - b. Arches Execution
6. **Day 6 - 7 - Final framework**
7. **Day 8 -**
  - a. Polishing and Finishing
  - b. Structure Inauguration
8. **Final Programme Outcome**

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- On day 1 of the workshop, the focus was on introducing participants to bamboo as a building material and engaging them in the conceptualization of bamboo structures through sketching.
- Activities :
  - 1. Introduction to Bamboo:** The day likely began with an informative session or lecture introducing participants to the properties, characteristics, and sustainable benefits of bamboo as a building material. This has included discussions on its strength, flexibility, rapid growth, and environmental sustainability.
  - 2. Applications of Bamboo:** Participants have explored various applications of bamboo in architecture and construction, including structural elements, cladding, flooring, and furniture. Examples of existing bamboo structures and projects executed by Trainer Mr. Gadekar been showcased to inspire creativity.
  - 3. Conceptual Sketching:** Following the introduction to bamboo, participants would have engaged in a hands-on activity to create conceptual sketches of bamboo structures. This exercise encourages creativity and allowed us to explore different design ideas and configurations using bamboo as the primary material.
  - 4. Selection Process:** At the end of the day, we have presented our conceptual sketches to the group, and a selection process would have taken place to choose the most promising designs for further development. Criteria for selection may include innovation, practicality, sustainability, and alignment with workshop objectives.



Inauguration  
Chief Guest :

**Shri Balasaheb Kshirsagar**  
(Sabhapati )

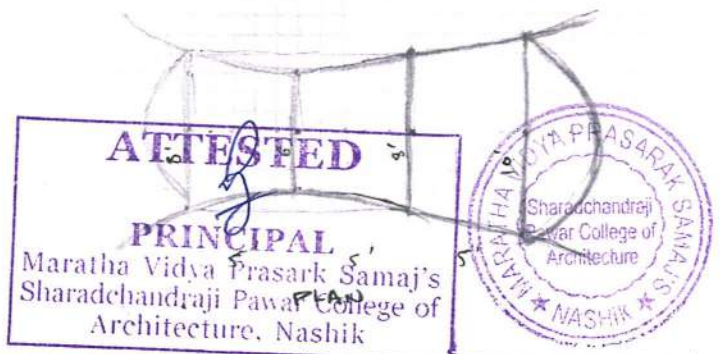
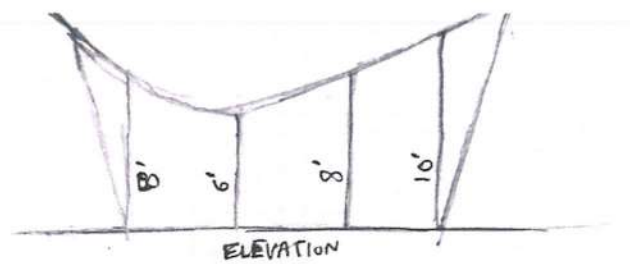
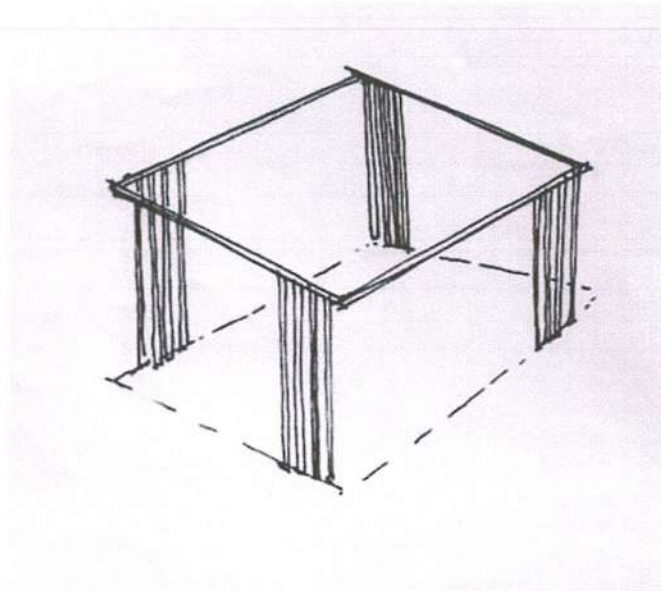
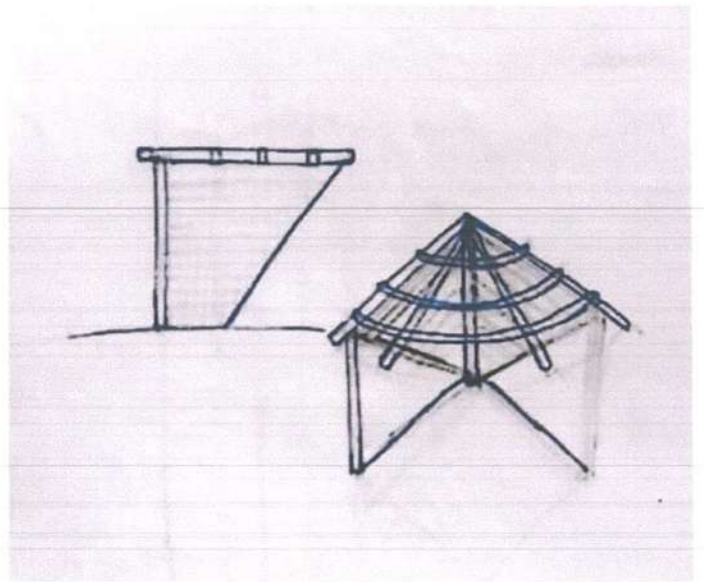
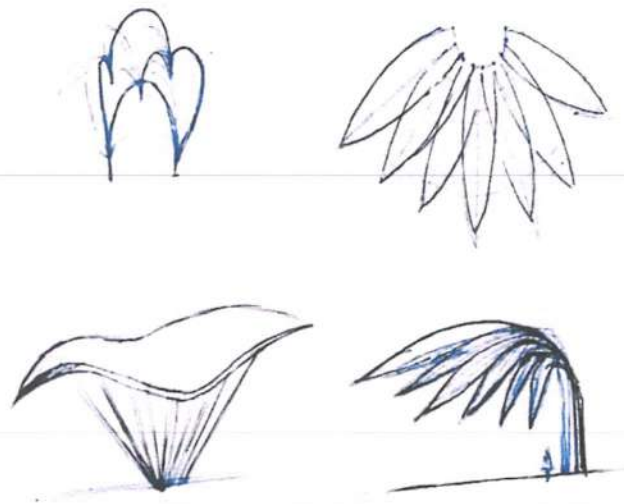
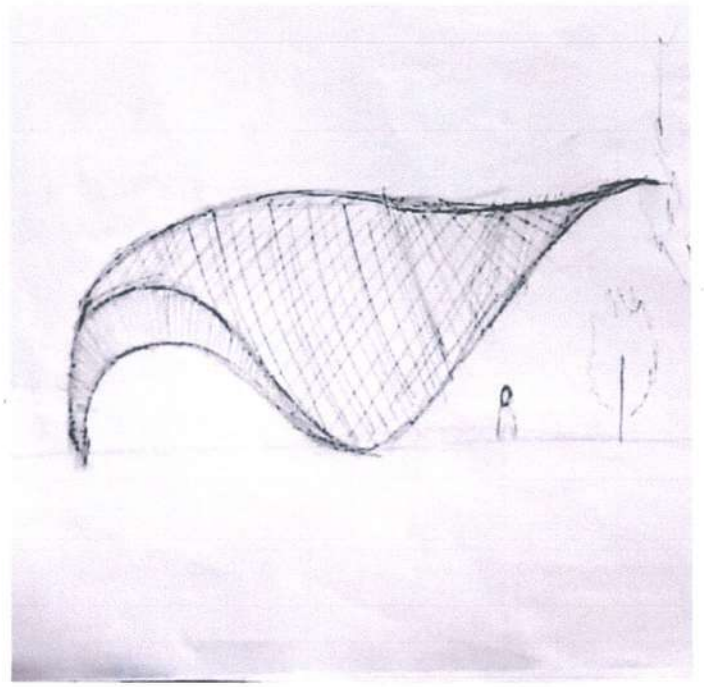
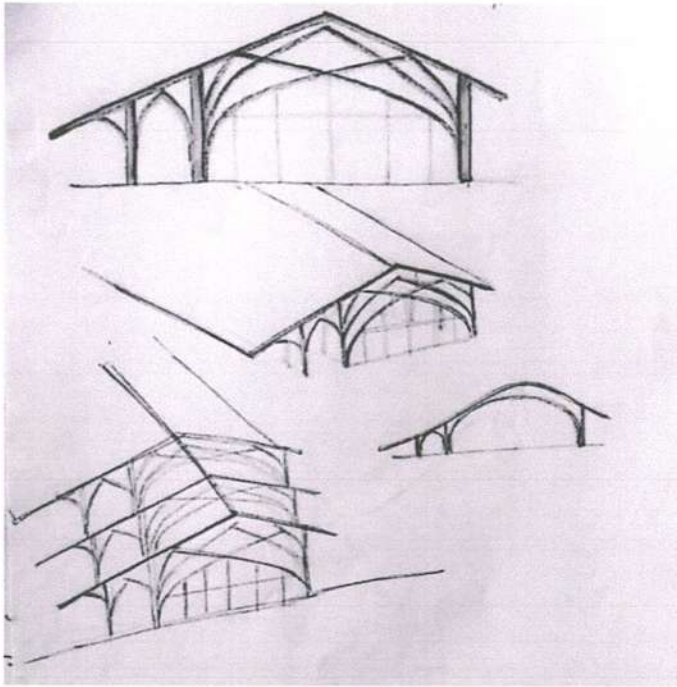
- Ar. Rohan Jadhav

IIA (President) Nashik chapter

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# Concept Sketches



**TOOLS USED:**

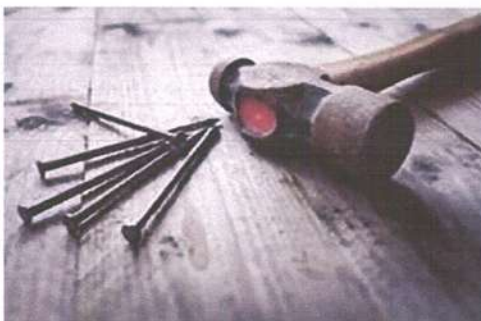
1. **Cast Iron Bamboo Splitter:** Heavy-duty bamboo splitter made of cast iron. Splitting bamboo is easy. These bamboo splitters can easily split bamboo into 4 identical pieces.



2. **Splitting knife:** For cutting bamboo strips.



3. **Hammer:** For use with a splitting knife and chisel and nailing.



4. **Tape measure:** For setting out and general measurements.



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**5. Pliers:** For cutting and fixing chicken mesh and wire.



**6. Hacksaw:** For cutting steel dowels and small bamboo.



**7. Drill and drill bits:** For drilling bamboo for dowels and bolts.



**8. Spanner:** For tightening bolts.



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9. Spirit level: For ensuring plumb and level.



10. Hand grinder machine



11. Bolt nut washer



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## MINIATURE STUDY MODEL

The focus of the workshop's second day was practical engagement with bamboo construction methods and the development of the study model.

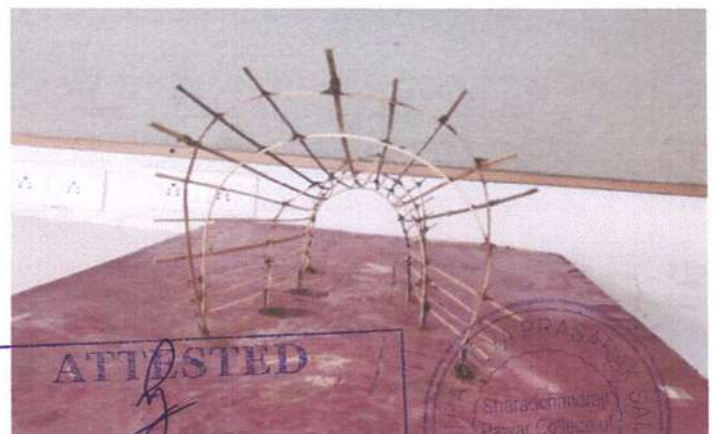
### 1. Preparation of study model

The conceptual sketching activity of day 1 led to the finalization of a sketch that served as inspiration for the bamboo structure. Based on this finalized conceptual sketch, the participants began working on the study model, which acted as a small-scale prototype for the actual bamboo structure created during the workshop period. These models were prepared using bamboo cut down and crafted using different tools like a hacksaw, splitting knife, hammer, hand grinder machine, and others. This model helped derive measurements of the curves of the parametric bamboo structure, which was built by the team during the workshop.

### 2. Tool familiarization

During day 2 of the workshop, participants got to know different tools. They learned how to use tools like a hacksaw, splitting knife, hammer, hand grinder machine, and others. This helped them become comfortable with the tools and understand how they work.

Overall, day 2 provided participants with a practical learning experience, enabling them to apply theoretical knowledge from the introduction lecture and conceptual sketching session to real-world construction projects using bamboo and study models.



Miniature Model

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The structural design of the program is meticulously crafted around the organic forms of curves and arches, embracing the inherent beauty and efficiency of such shapes. Central to this exploration is the innovative use of bamboo as a construction material, offering a sustainable and versatile alternative to traditional resources.

To manipulate bamboo into desired shapes, various bending methods are employed, with heat treatment emerging as a pivotal technique.

### The process unfolds in a series of steps:

1. Firstly, grooves are delicately carved into the bamboo along its naturally curved side, serving as strategic points for bending.
2. Subsequently, the bamboo is subjected to heat along these grooves, inducing pliability and facilitating the bending process.
3. Natural supports, such as trees, are utilized to maintain the desired curvature during bending, ensuring precision and stability in the final structure.
4. For heat treatment, a locally sourced flaming torch is employed, fueled by accessible materials like engine oil, and fabric—specifically cotton cloth, chosen for its resistance to burning.
5. Manual pressure is then applied to further shape the bamboo, refining its form to meet design specifications.
6. To mitigate the risk of breakage, the bamboo is promptly cooled after heating, safeguarding its structural integrity. Thus, the manual heat treatment method emerges as a meticulous and effective approach to bending bamboo.



Grooving on Bamboo



Grooved Bamboo



Heating bamboo with Flame torch



Bent Bamboo



Flame Torch



Each bamboo undergoes a careful process, requiring approximately 10-15 minutes to achieve the desired curvature manually. This method not only demonstrates the adaptability of bamboo in construction but also underscores the importance of traditional techniques and locally available resources in sustainable architectural practices.

During the fourth day of the workshop, we embarked on an enlightening journey, highlighted by a Site visit to Lakhalgaoon and a memorable encounter with Mr. Prashant Atmaram Date.

Overview of the main Highlights:

Field Trip to Lakhalgaoon: Participants were allowed to explore Date Bambusetum at Lakhalgaoon, a village in Nashik. Where they were exposed to a practical environment conducive to learning about bamboo.



Introduction to Bamboo processing unit

Mr. Prashant Date offered participants direct insights and expertise in bamboo cultivation and collection. Learning from seasoned practitioners and experts like him is crucial for developing a profound understanding of bamboo species and their uses.

Participants were introduced to the diverse bamboo species collected by Mr. Prashant over the years, gaining insight into their cultural, economic, and environmental significance.

Mr. Prashant likely shared valuable insights into the importance and usage of each bamboo species, fostering a broader understanding of their global relevance and role in sustainable development. Additionally, exploring bamboo's usage across different countries and industries gave participants a cross-cultural learning experience, enhancing their appreciation for its versatility and adaptability across various contexts.



Site Visit at Lakhalgaoon

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## A. ARCHES EXECUTION

In bamboo structures, arches are commonly used for their strength and flexibility. Arches in bamboo structures are executed by bending the bamboo poles into curved shapes and securing them in place. This was achieved by methods like using metal connectors. The inherent flexibility of bamboo allows it to withstand loads and distribute forces efficiently, making it suitable for creating stable and durable arches in architectural designs.

In bamboo architecture, bamboo is bent and joined together using a range of carpentry techniques to achieve a desired curved form. Arches enable the creation of expansive spans whilst supporting greater loads compared to post and beam structural systems.



Bamboo Bending

## B. FOOTING EXCAVATION

The center line marked on the site for the bamboo structure was for the columns of the structure and the particular was excavated. The next day while working on the framework of the structure the bottom of the bamboo was inserted in the excavated area of the site marked according to the center line and the pit was filled with cement hence completing the positioning of the structure on the ground.



Centre Line Marking



Footing

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## FINAL FRAMEWORK

Day 6-7, 1<sup>st</sup> & 2<sup>nd</sup> March 2024

On day 6 and 7 of workshop, the focus shifted on completing the bamboo framework by placing the bend bamboos, bamboo strips and bamboo joints in following steps:

- 1. Connecting bamboo arches:** Bamboo arches were joined together with bend bamboos over the arches at top, both bottom ends and upper portion.
- 2. Adding bamboo strips:** Then participants added bamboo strips of half-cut bamboo, which gives more strength to structure. This also gives aesthetics to the structure.
- 3. Bolting the joints:** All bamboo strips were joint by nut and bolting, participants used drilling machine in this process. The joints were tied by thread which added strength to joints.
- 4. Gluing the thread:** Once the joints were tied by thread, gluing the joints for additional strength by using fevicol.
- 5. Giving lap joint:** The weak part of bamboo was given lap joint, which added strength to structure. It was also used at short bamboo to get required length.



Final Framework Execution **PRINCIPAL**  
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## A. POLISHING AND FINISHING

Day 8, 3<sup>rd</sup> March 2024

Bamboo is a strong renewable resource but it is natural, making it liable to have a few natural predators. If bamboo is not preserved, insects, especially the powder-post beetle (*Dinoderus spp*), would eat the bamboo from the inside out.

For polishing and finishing following methods were used:

### 1. Polish by hand grinder machine



### 2. Rubbing by steel scrubber



### 3. Boric borax treatment



Borax and boric acid are more environmentally friendly than other preservatives. Borax and boric acid are non-toxic to the environment but they are highly saline.

It is essential to treat only mature bamboo poles. Mature poles have reached their strength and completed the lignification process making it suitable for construction purposes

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## B. STRUCTURE INAUGURATION

The bamboo structure was inaugurated on 4th March 2024 in the presence of Chief Guest Mr. Bhaskar Pawar. All the dignitaries from the involved fields - BRTC (Bamboo Research and Training Center), Jan Shikshan Sansthan, Nashik, Head of MVP's Diploma College, and Principal and Faculty members of MVP's College of Architecture, Nashik- were present.



Welcome of Guests



Group 1 picture with structure

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## SUMMARIZING PROGRAMME OUTPUT

The overall program output of an 8-day bamboo workshop organized by the Bamboo Research and Training Centre in Chandrapur has initiated an interesting initiative for architecture students. This program aimed to provide a comprehensive learning experience, fostering both theoretical knowledge and practical skills related to bamboo architecture. Here's a program output concerning every architecture student who has attended this workshop.

### 1. Theoretical Understanding:

#### Introduction to Bamboo-

- Properties of bamboo.
- Sustainability and environmental benefits.
- Historical and cultural significance in architecture.

#### Design Principles-

- Integrating bamboo into architectural designs.
- Structural considerations.
- Aesthetic aspects and innovative approaches.

#### Regulatory and Safety Guidelines:

- Building codes and regulations related to bamboo construction.
- Safety protocols and best practices.

### 2. Hands-on Practical Training:

#### Bamboo Harvesting and Treatment:

- Proper harvesting techniques.
- Bamboo treatment methods to enhance durability.

#### Joinery Techniques:

- Hands-on experience in various bamboo joinery methods.
- Understanding connections for structural stability.

#### Construction Methods:

- Practical sessions on assembling bamboo structures.
- Demonstration of different construction techniques.

#### Project Work:

- Collaborative projects allowing students to apply learned skills.
- Design and construct small-scale bamboo structures.



## 1. Guest Lectures and Expert Sessions:

### Invited Speakers:

- Architects and designers specializing in bamboo construction.
- Environmentalists and experts on sustainable architecture.

### Case Studies:

- Presentation of successful bamboo architecture projects.
- Learning from real-world applications and challenges.

## 1. Field Visits:

### Bamboo Plantations:

- Visit local bamboo plantations to understand sourcing.
- Interaction with bamboo farmers and growers.

### Bamboo Structures:

- Visit existing bamboo structures in the region.
- Evaluate their design, construction, and long-term sustainability.

## 1. Final Showcase and Evaluation:

- Student Presentations
- Each student or group presents their project.
- Emphasis on design innovation, structural integrity, and sustainability.

### Expert Panel Evaluation:

- Panel of experts evaluates the projects.
- Feedback and constructive criticism for improvement.

## 6. Certificates and Networking:

### Certificates of Completion:

Awarded to participants at the end of the workshop.

### Networking Opportunities:

- Encourage networking among students, faculty, and experts.
- Provide a platform for future collaboration and knowledge exchange.

## 7. Follow-up Resources:

### Learning Materials:

- Provide participants with relevant literature and resources.
- Online platforms for continued learning and updates.

With the incorporation of these elements, the overall program output has equipped architecture students with a solid foundation in bamboo construction, inspired creative thinking, and fostered a commitment to sustainable and innovative architectural practice.





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Elective – 5 – Sem X (Group -2)  
**‘Bamboo Construction & Architectural Practices  
Training ’**

in collaboration with  
**Jan Shikshan Sansthan, Nashik**  
**Bamboo Research & Training Centre, Chandrapur**

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**MVPS’s Sharadchandraji Pawar College of Architecture, Nashik**

26<sup>th</sup> Feb – 4<sup>th</sup> March 2024

**Mentor – Shri. Sandip Gadekar**

**Coordinator – Mrs. Jyoti Landge (Director JSS, Nashik)**

Shri. Sandip Sinde Shri. Dattatray Bhoknal

Prof. Sheetal Chougule & Prof. Umesh Hirawe



# Name of students

5<sup>th</sup> Year B-Arch sem X

1. Ganesh Sonawane
2. Abhishek Mandge
3. Om Mundankar
4. Yashraj Khandar
5. Shubham Londhe
6. Araju Shaikh
7. Tanishka Patil
8. Shruti Sonawane
9. Nikita Thorve
10. Kalyani Waje
11. Janhavi Pawar
12. Utkarsha Shinde
13. Nikita Patil
14. Sanyukta Wagulde
15. Shireen Sayyad
16. Vedika More
17. Darshana Shelar
18. Aditi Yelmame



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# Introduction

Day – 1, 26<sup>th</sup> February 2024

- On day 1 of the workshop, the focus was on introducing participants to bamboo as a building material and engaging them in the conceptualization of bamboo structures through sketching.
- **Activities :**
  - 1. Introduction to Bamboo:** The day began with an lecture introducing participants to the properties, characteristics, and sustainable benefits of bamboo as a building material. This included discussions on its strength, flexibility, rapid growth, and environmental sustainability.
  - 2. Applications of Bamboo:** Participants have explored various applications of bamboo in architecture and construction, including structural elements, cladding, flooring, and furniture. Examples of existing bamboo structures and projects executed by Trainer Mr. Gadekar were showcased to inspire creativity.
  - 3. Conceptual Sketching:** Following the introduction to bamboo, participants engaged in a hands-on activity to create conceptual sketches of bamboo structures. This exercise encouraged creativity and allowed to explore different design ideas and configurations using bamboo as the primary material.
  - 4. Selection Process:** At the end of the day, we have presented our conceptual sketches to the group, and a selection process took place to choose the most promising designs for further development. Criteria for selection included innovation, practicality, sustainability, and alignment with workshop objectives.



Inauguration

Chief Guest :

Shri Balasaheb Kshirsagar  
(Sabhapati)

Ar. Rohan Jadhav ( IIA President,  
Nashik chapter)

Mrs. Anita Tadvi (Asstt. Commissioner  
Skill Development Centre Nashik )

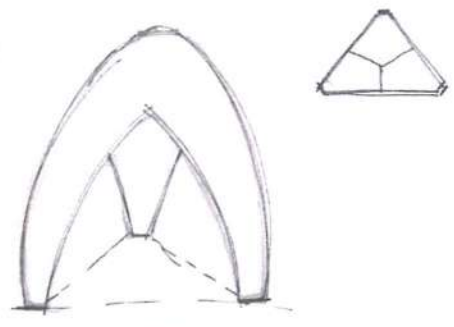
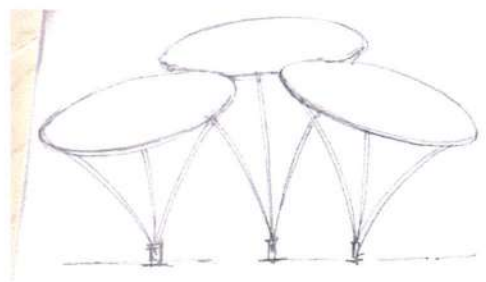
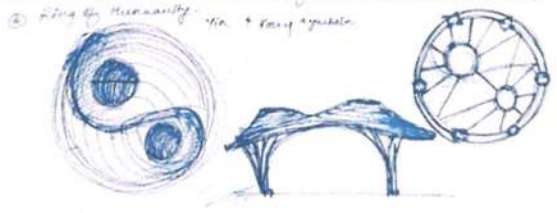
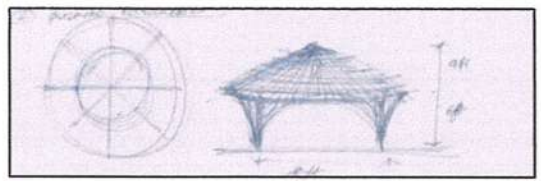


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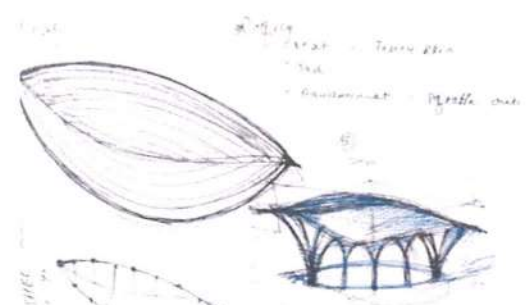
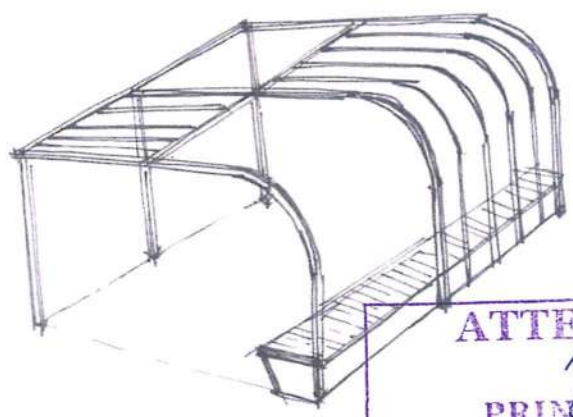
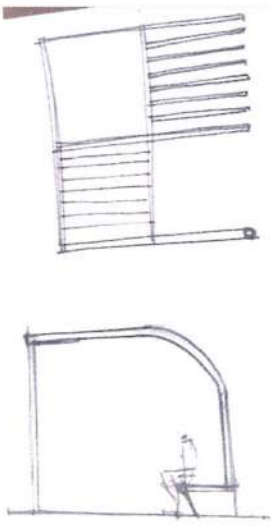
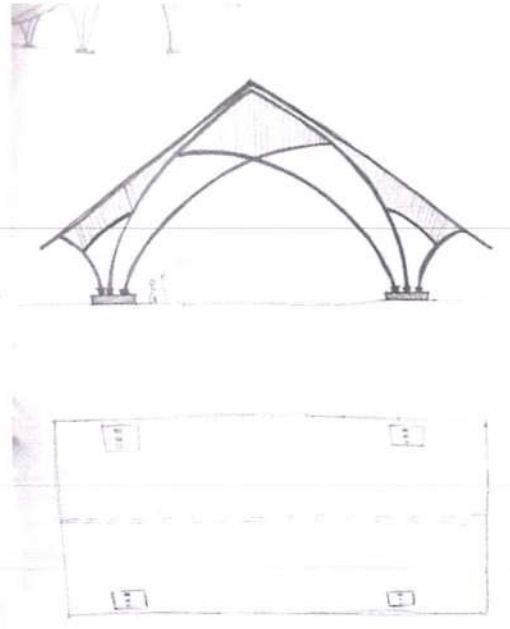


# Concept Sketches

PROJECT - *ABSTRACT MUSEUM BUILDING*  
 PRESENT - 5<sup>th</sup> year  
 PLACE -



NIHARA PATIL  
 67575761



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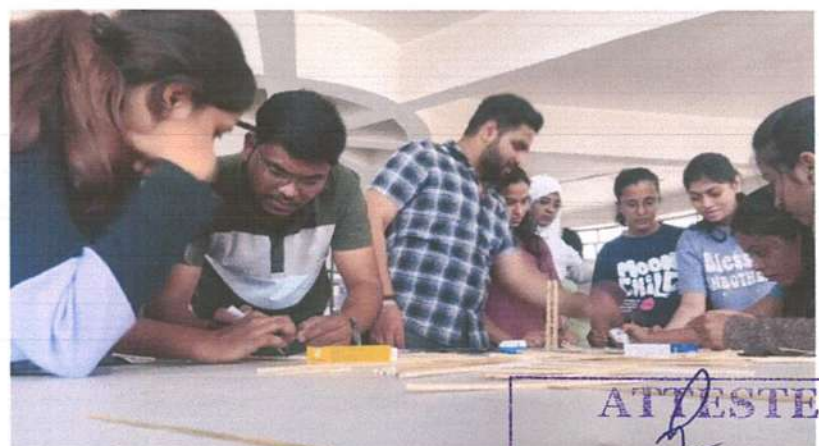




# Study Model

Day 2 - 27<sup>th</sup> February 2024

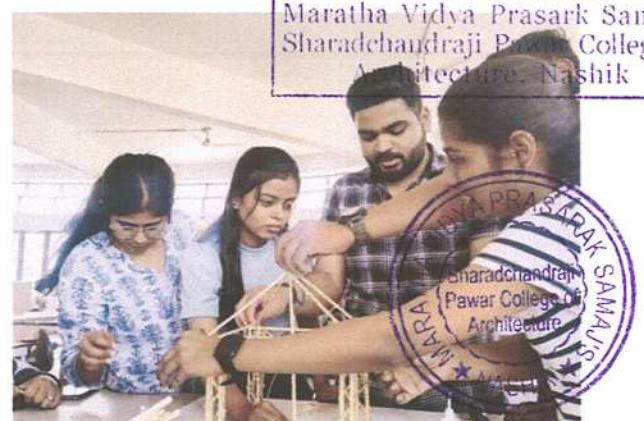
- Day 2 of the workshop was dedicated to hands-on experience with bamboo construction techniques and working on the study model.
- Here's a breakdown of the activities:
  - 1. Study Model Preparation:** Based on the finalized conceptual sketches from day 1, we began working on creating study models for the selected bamboo structures. These models serve as prototypes or scaled-down versions of the final designs, allowing us to experiment with different construction methods and refine the details. A “kutir” pyramid roof structure with 4 columns was finalized.
  - 2. Tool Familiarization:** We had the opportunity to familiarize ourselves with various tools used in bamboo construction, such as saws, drills, and fasteners. This hands-on experience helped us to develop practical skills and confidence in handling bamboo and its associated tools safely and effectively.
  - 3. Collaborative Work:** Working together as a group, we shared knowledge and skills, collaborating to overcome challenges and refine our study models. This collaborative environment had fostered creativity and innovation while also promoted teamwork and communication.
  - 4. Study Model Completion:** By the end of the day, we had completed the study models for the selected bamboo structures. These models serve as valuable prototypes for further refinement and testing before moving on to the full-scale construction phase.
- Overall, day 2 provided us with a practical learning experience, allowing us to apply theoretical knowledge gained from the introduction of lecture and conceptual sketching session to real-world construction projects using bamboo on study model.



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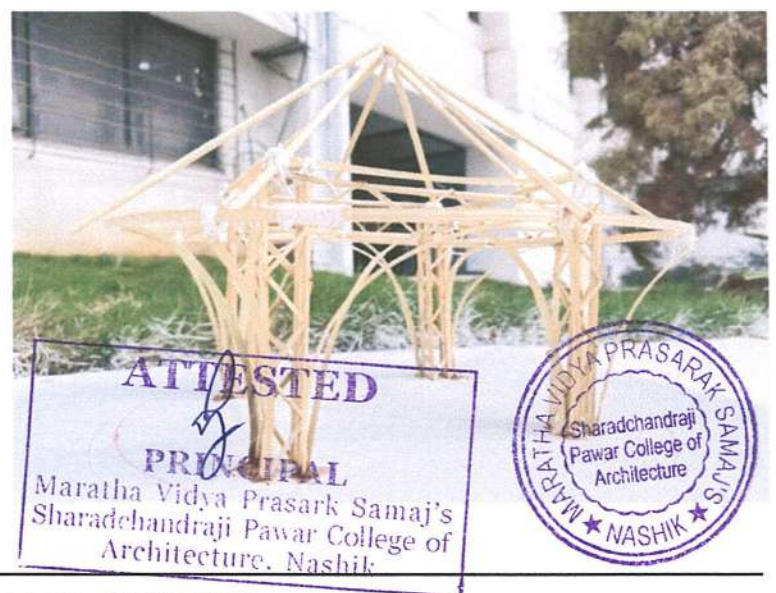
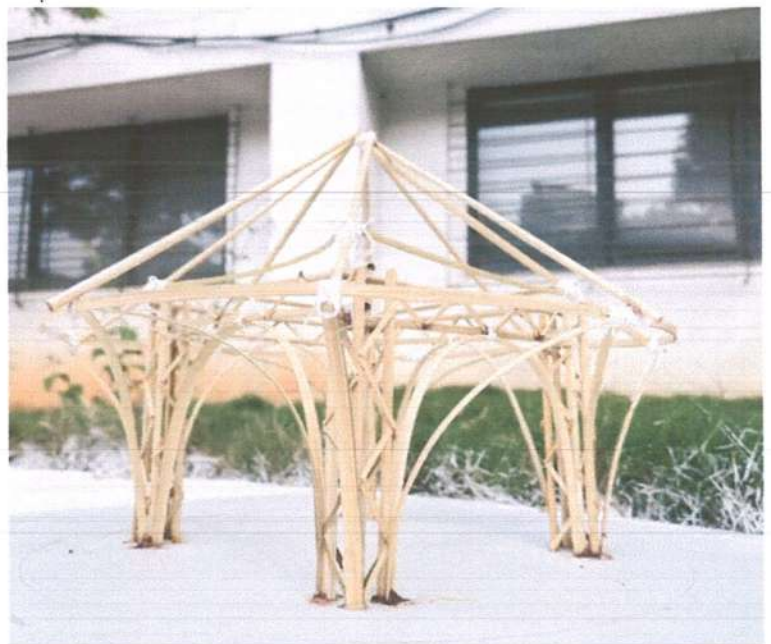
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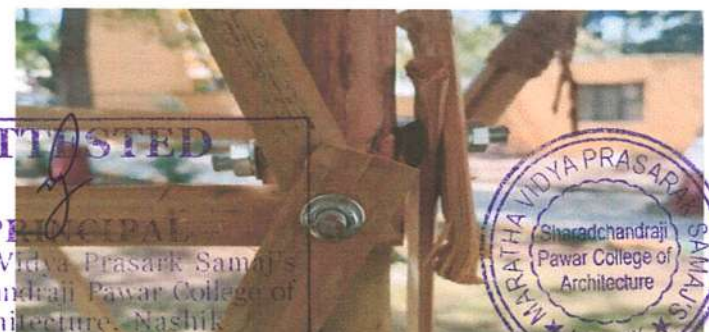
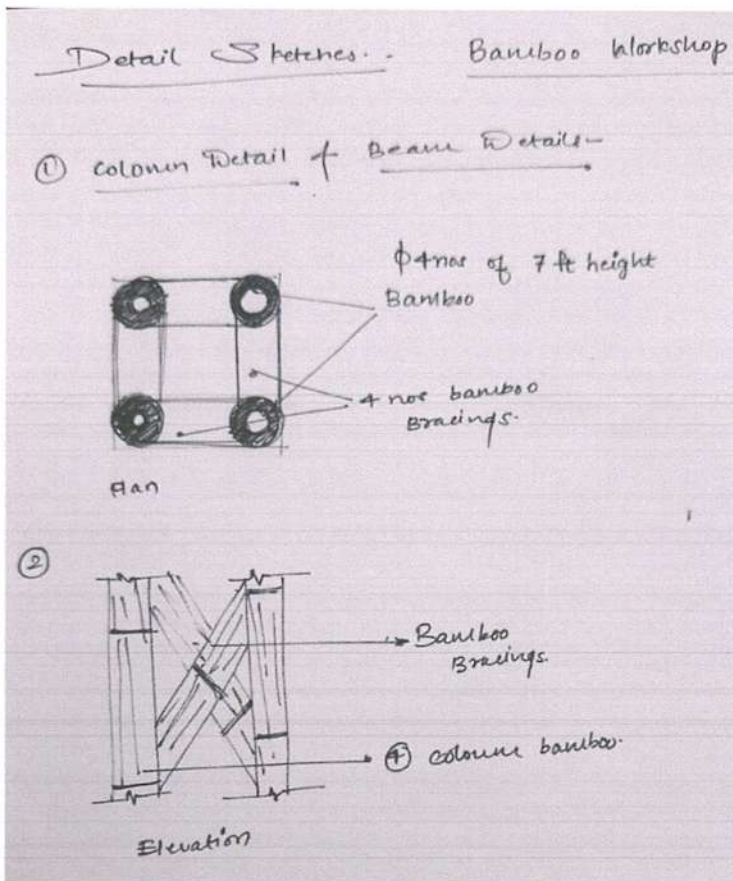
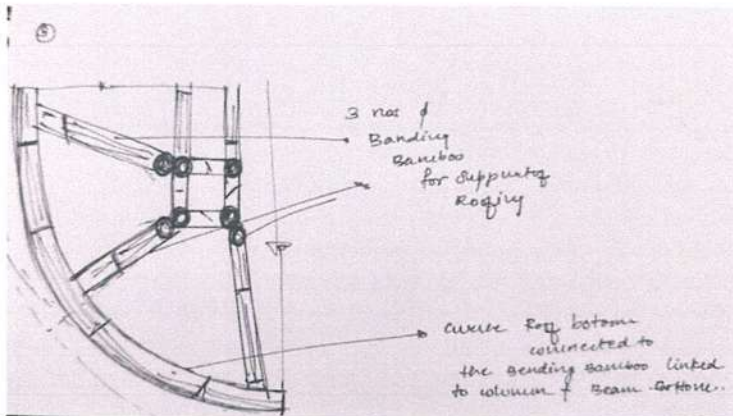


# Study Model

Day 2 - 27<sup>th</sup> February 2024



# Joinery details – (Gazebo) Kutir



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# Cutting & Polishing of Columns

Day 3 - 28<sup>th</sup> February 2024

- On the third day of our workshop, we focused on beginning the actual construction of the bamboo structure, particularly by working on making the bamboo columns and preparing them for use.
- Here's how the day unfolded:
  - 1. Preparation:** Before starting the construction process, everyone organized the bamboo poles and other necessary materials and tools. This included selecting suitable bamboo poles of the required length and diameter for the columns and ensuring that cutting and polishing tools are available.
  - 2. Cutting Bamboo Poles & Polishing:** We have measured and marked the bamboo poles to the desired length for the columns. Using saws or other cutting tools, everyone then carefully cut the bamboo poles to size, ensuring precision and accuracy. After cutting the bamboo poles to the desired length, everyone was engaged in the process of polishing the columns. This involved removing any rough edges, splinters, or irregularities from the cut ends of the bamboo poles using sandpaper or other smoothing tools.
  - 3. Safety Measures:** Safety was been a priority throughout the construction process. Participants were instructed on how to safely handle cutting tools and bamboo poles to prevent accidents or injuries. Throughout the cutting and polishing process everyone had for kept tab on uniformity in size, smoothness of the surfaces, and structural integrity of the bamboo poles.
- By focusing on making the bamboo columns and ensuring they are properly cut and polished, we have laid the foundation for the construction of the bamboo structure. This hands-on experience allows us to develop practical skills and gain a deeper understanding of working with bamboo as a building material.

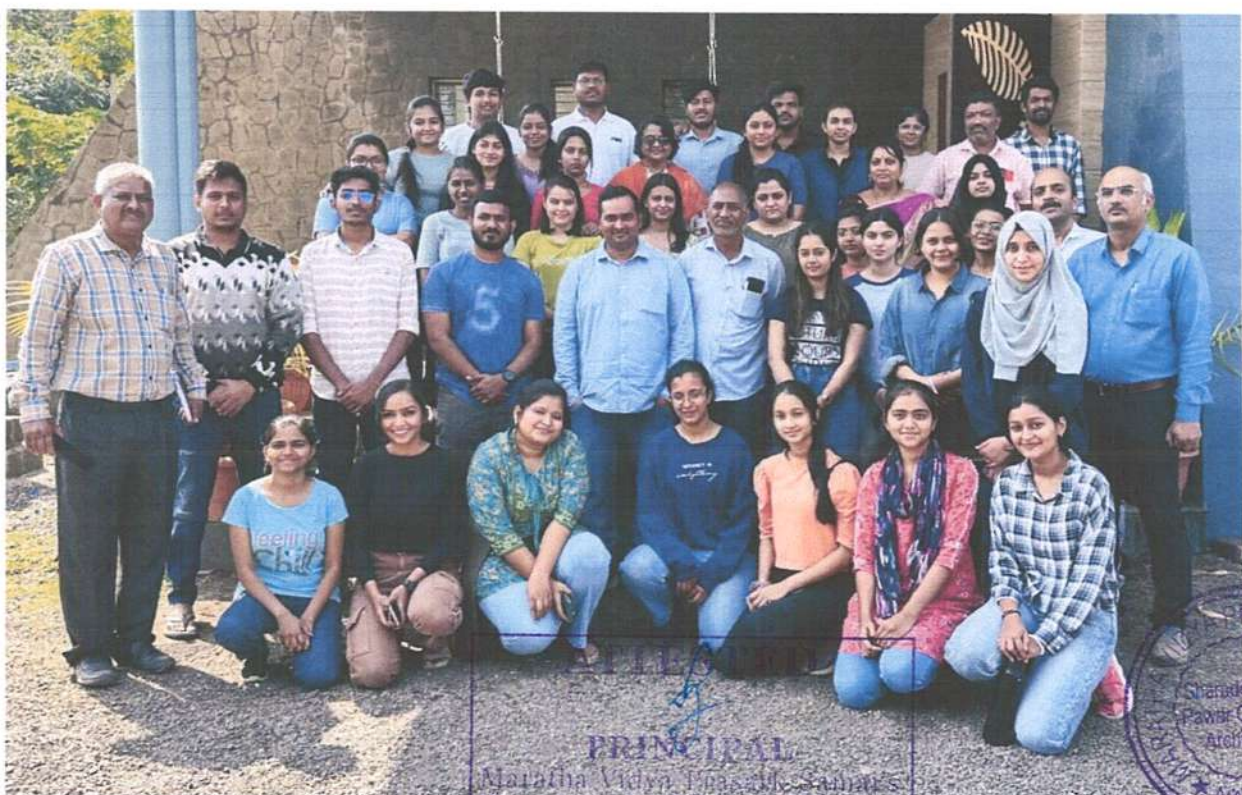


# Site Visit to Lakhalgaoon

Day 4 - 29<sup>th</sup> february 2024

## To Shri. Prashant Date's Bamboo Farm

- Day 4 of workshop was an enriching experience, especially with the site visit to Lakhalgaoon and the opportunity to meet Mr. Prashant Atmaram Date.
- Here's a summary of the key highlights :
  - 1. Site Visit to Lakhalgaoon:** Participants had the chance to visit Lakhalgaoon, a village in Nashik, where we encountered a real-world setting conducive to learning about bamboo. Site visits offer invaluable practical insights that complement classroom teachings and theoretical knowledge.
  - 2. Meeting Mr. Prashant Atmaram Date:** Interacting with Mr. Prashant Atmaram Date provided participants with firsthand knowledge and expertise in bamboo cultivation and collection. Learning from practitioners and experts in the field is instrumental in gaining a deeper understanding of bamboo species and their applications.
  - 3. Bamboo Species Collection:** we learned about the various bamboo species collected by Mr. Prashant over the years. Understanding the diversity of bamboo species is essential for Mr. Prashant likely shared insights into the significance and usage of each bamboo species, highlighting their cultural, economic, and environmental importance. Participants gained a broader perspective on the global relevance of bamboo and its role in sustainable development.
  - 4. Cross-Cultural Learning:** Exploring the usage of bamboo in different countries and industries offered participants a cross-cultural learning experience. Understanding how bamboo is utilized across various contexts enhances appreciation for its versatility and adaptability.
- Overall, the site visit and interaction with Mr. Prashant Atmaram Date provided us all with valuable knowledge and practical insights into bamboo cultivation, species diversity, and its multifaceted applications. This firsthand experience enriched our understanding and appreciation of bamboo as a sustainable and versatile material.



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# Beam Making

Day 5 - 1<sup>st</sup> March 2024

- Day 5 of our workshop seems to have been a continuation of the construction process, focusing on completing the bamboo columns with bracing and adding beams to the structure.
- Here's an overview of the activities that took place:
  - 1. Continuation of Previous Day's Work:** We resumed the work left unfinished from the previous day, which involved cutting and polishing bamboo columns. Everyone also addressed any other pending tasks necessary for the construction process.
  - 2. Construction of Columns with Bracing:** With the bamboo columns prepared, participants proceeded to assemble them with bracing elements. Bracing is essential for providing structural support and stability to the columns, especially in taller structures or those subjected to external forces.
  - 3. Cutting & Making Beams:** Once the columns were completed, participants started making beams to connect and support columns by screwing.
  - 4. Centerline Measuring and Marking:** Using measuring tapes, we measured and marked the centerline of each bamboo column. The centerline is typically marked along the length of the column, running from top to bottom for excavation of the foundation.
- By completing the columns with bracing and adding beams to the structure, we had made significant progress in constructing the bamboo framework. This hands-on experience provides valuable insights into the practical aspects of bamboo construction and helped us to develop essential skills in structural assembly and project management.



# Excavation & Column Placement

Day 6 - 2<sup>nd</sup> March 2024

- On day 6 of our workshop, the focus shifted to excavating the foundation, completing the foundation work, and placing the columns on the marked centerlines established on the previous day.
- Here's how the day unfolded:
  - 1. Excavation of Foundation:** Labours started by excavating the foundation trenches along the marked centerlines of the bamboo structure.
  - 2. Foundation Finishing:** Once the trenches were excavated, we proceeded to prepare the foundation for the placement of the columns. This involved leveling the bottom of the trenches, compacting the soil, and adding a layer of gravel or concrete for stability and reinforcement.
  - 3. Placing & Securing Columns:** With the foundation prepared, we have carefully positioned the bamboo columns in their designated locations along the marked centerlines. Alignment and spacing are crucial during this step to ensure that the columns are properly positioned and securely anchored to the foundation. After placing the columns, we have secured them to the foundation using appropriate anchoring methods.
- By excavating the foundation trenches, finishing the foundation work, and placing the columns on the marked centerlines, everyone made significant progress in the construction of the bamboo structure. This hands-on experience criticality of centerline , alignments and right angular construction of columns.



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# Roof Preparation

Day 7 - 3<sup>rd</sup> March 2024

- On day 7 of our workshop, we focused towards working on the roof structure of the bamboo construction.
- Here's how the day have unfolded:
  - 1. Roof Preparation:** We have started by preparing the necessary materials and tools for constructing the roof. This includes bamboo poles, Truss, Purlins and additional roofing materials such as thatch or bamboo mats.
  - 2. Working on Roof Parts:** We likely began by constructing individual parts of the roof, such as rafters or trusses. These components are essential for providing structural support and shape to the roof.
  - 3. Assembling the Conical Roof:** Once the individual roof parts were ready, everyone have assembled them to form the conical roof structure. This involved lifting and securing the roof components into place, ensuring proper alignment and stability.
  - 4. Simultaneous Work on Arches:** While working on the conical roof, few participants were simultaneously working on constructing arches near the columns.
- By working on different parts of the roof and simultaneously assembling the conical roof structure and arches, group made significant progress in completing the bamboo construction project. This hands-on experience provided valuable practical skills and insights into the construction of complex bamboo structures.



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# Roof Placement

Day 8- 4<sup>th</sup> March 2024

- On day 8 of our workshop, the focus likely shifted towards completing the roofing and finishing touches on the bamboo structure.
- Here's how the day has unfolded:
  1. **Roofing Sheet Installation:** We have started by laying roofing chatai and other roofing materials on the completed roof structure. It involved carefully positioning and securing the roofing material to ensure proper coverage and securing and weatherproofing of the structure.
  2. **Trimming and Finishing:** After laying the roofing sheets, participants trimmed any excess material and applied finishing touches to ensure a neat and finished appearance. This involved sealing joints, painting or staining the roofing material, and adding decorative elements as desired.
  3. **Making External Arches:** While the roofing work is in progress, we have continued working on constructing external arches to enhance the aesthetic appeal of the structure. External arches serve both decorative and structural purposes, adding visual interest and providing additional support to the overall framework.
  4. **Final Inspection:** Once the roofing sheets are installed and external arches are completed, participants and coordinators conducted a final inspection of the structure to ensure that all components are properly installed and finished according to the design specifications.
- By laying roofing sheets, constructing external arches, and finishing off the structure, everyone completed the bamboo construction project with a sense of accomplishment and pride. This hands-on experience provided valuable skills and knowledge that can be applied to future construction projects involving bamboo this was the most challenging stage of construction which we have completed by making extra team work and with the help of trainers.



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# Final Finishes & Inauguration

## Chief Guest

- Shri. Bhaskar Pawar ( Co-ordinator of Maharashtra Bamboo Development Centre)
- Shri. Navnath Bombale ( Member of Jan Shikshan Stansta, Nashik



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Elective-II Sem VI (Group-3)

**'Bamboo construction and architectural practices training'**

In collaboration with

**Jan shikshan sansthan, Nashik**

**Bamboo Research & Training Centre, Chandrapur**

**MVPs's Sharadchandraji Pawar College of Architecture, Nashik**

26<sup>th</sup> February - 4<sup>th</sup> March 2024

**Mentor – Shri. Sandip Gadekar**

**Coordinator – Mrs. Jyoti Landge (Director JSS, Nashik)**

Shri. Sandip Shinde, Shri. Dattatray Bhoknal

Prof. Sheetal Chougule & Prof. Umesh Hirawe



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# Name of students

## DIV A

1. Sanchal Jadhav
2. Ganga Kalyani
3. Parth Asawa
4. Shrutika Ghodke
5. Shruti Agrahari
6. Shruti Datir
7. Sayali Dev
8. Jainesh Jain
9. Vivek Jagtap
10. Vasu Kalaria
11. Tejraj Bhandari

## DIV B

1. Mahek shaikh
2. Zunaira Shaikh
3. Rakshita Surana
4. Aishwarya Kalwar
5. Abhilasha Sonawane
6. Anklesha Modhe
7. Harshada Valvi
8. Vibhavari Patil
9. Arpit Patil



Team of Third Year B.Arch.

**Subject teacher-  
Prof.Samruddhi Mahale.**

**Co-Ordinator- Jan Shikshan Sanstha, Nashik-  
Mrs. Jyoti Landge.**



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**DAY 1, 26<sup>th</sup> Feb 2024.**

**Inauguration of bamboo workshop and process of design selection.**

The bamboo workshop was organized by Jan Shikshan Sanstha, Nashik with the collaboration of BRTC (Bamboo Research Training Centre) under the guidance of mentor Sandip Gadekar sir and Jyoti Landge ma'am at Maratha Vidya Prasarak Samaj's College of Architecture Nashik.

Later, the respective guide Mr. Sandip Gadekar sir presented the work done by them and the BRTC team and asked students to design Gazebo/Pavillion.

After that, the inauguration ceremony began by seeking the blessings of the goddess Saraswati. The ceremony was attended by MVP's chairman Mr. Balasaheb Kshirsagar, head of IIA, Nashik chapter Ar. Rohan Jadhav, LMC Member Sanket Dikhle, Aneesa Tadvil of Skill Development Centre, Nashik Jan Shikshan Sansthan's coordinator Jyoti Landge, principal of MVP's College of Architecture Dr. Prajakta Baste.

Later on, Mr. Balasaheb Kshirsagar addressed the students and was proud to announce that "this is the very first program which is happening in Maharashtra." Also, aspiring architects will get a lot of exposure to using bamboo as a construction material. The ceremony ended by honoring the guest.



**Balasaheb Kshirsagar (Chairman, MVP) and Mrs. Jyoti Landge (coordinator, Jan Shikshan Sanstha, Nashik) addressing the students.**

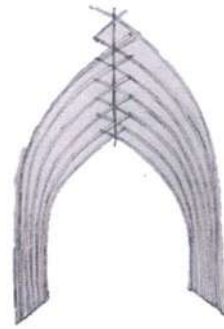
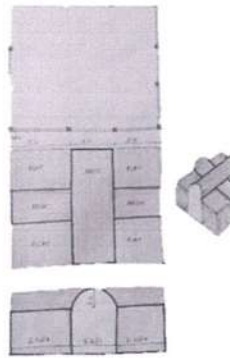
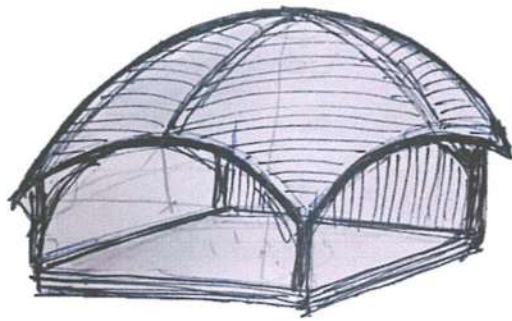


**Students and faculty members learning about bamboo versatility through the presentation by Sandeep Gadekar sir.**

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# Conceptual Sketches



Sketching out ideas.

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## DAY 2, 27<sup>th</sup> Feb 2024.

### Finalizing design and working on the small process model.

Day 2 began with finalizing 3 designs and refurbishing them. Our design was a gazebo with vaults and arches to define historical architecture. Working with bamboo was new and challenging for us yet we were thrilled to explore that material and get our hands on it. Initially, we got the chance to become acquainted with a variety of bamboo construction tools such as drill machines, hacksaws, chisels, etc.

We began our structure by doing a small hands-on model. We used different tools for cutting and screwing. We learned different joineries and techniques of bamboo. In conclusion, for Day 2 we finished the initial small model for our design. This process made us aware of the mistakes and improvements before the actual implementation of the final model.



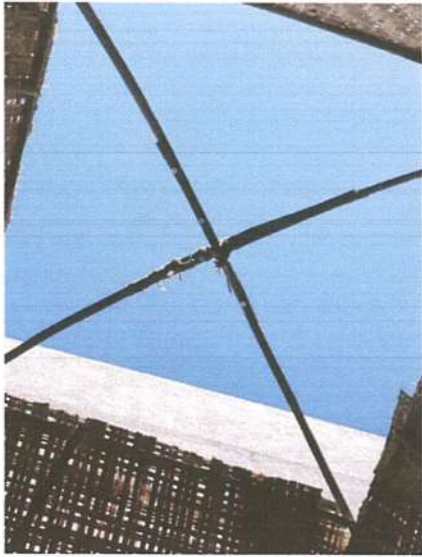
The design concept is about Arches and Vaults inspired by ancient/historical architecture.

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# Joinery details – Gazebo



Use of Lap joint with the help of nuts, bolts, and jute ropes.

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## DAY 3, 28<sup>th</sup> Feb 2024.

### The making of the structure.

It's day 3, the materials were bought on site and work began under the guidance of Sandeep Gadekar sir, we used chisels and a hammer to cut bamboo, and steel scrubbers to clean the bamboo surfaces for the framework of the structure. We also did arches-making during day 3. We did splice joinery in which we joined two 12ft bamboos for vault making. Initially, we used the grinder and the drill machine for nut bolt cutting. Afterward, we made holes into the bamboo pieces so that we could join them using nut bolts, and wiser, threading rods were also used in this part of the process. At last, the assembly was completed by joining the bamboo with the help of wiser and bolts through the holes.



Selection of Bamboo



Drilling holes with the help of a drill machine



Marking of bamboo using tape



Cutting of Bamboo using a hacksaw



**DAY 4, 29<sup>th</sup> Feb 2024.**

**Site Visit at Lakhalgaoon Nashik to study Bamboo species.**

Day 4 began with the site visit at **Mr. Prashant Date's** farm which is located at Lakhalgaoon, Nashik. Mr. Prashant Date is an engineer by profession but has a keen interest in bamboo farming he started this farming in the year 2016. He has passed through many obstacles during this process, but today he has successfully nurtured 96 species. Even the previous governor of Maharashtra Bhagat Singh Koshiyari visited his bamboo farmland.

He explained the process of bamboo treatment, and various types of bamboo species from all over the world. Whether it is China or Myanmar, he has planned to develop cottages and villas to connect people with nature. And develop farmland in Pune.

Later, we visited his residence, where we saw different sizes and products of bamboo. In the end, students extended their gratitude towards the BRTC organization and Jan Shikshan Sansthan.



**Site Visit at the residence of Shri. Prashant Date in Lakhalgaoon, Nashik.**

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## DAY 5, 1<sup>st</sup> March 2024.

### Marking on the site and executing the structure.

- **Foundation Plot Marking:** On the 5<sup>th</sup> day we marked the plot for the foundation of the structure.
- **Bamboo Preparation:** On the other hand, others helped in cutting the bamboo with the help of bamboo cutters, chisels, grinders, etc. for pillars/arches/vaults and created the framework by drilling and screwing them.
- **Center Line Marking:** Additionally, we carried out the center line marking with the help of thread, chalk powder, and bamboo nails.
- **Foundation Excavation and pit markings:** Using the center line marking we dug 1ft 8 inches for the foundation. Also, we made four 9'\*9' inches and also four 6'\*6' inches excavation pit markings.

As the fifth day concluded, the construction team completed pivotal tasks, including precise marking of the foundation plot, bamboo preparation for structural elements, center line marking with thread and chalk powder, and excavation work based on the marked guidelines. The concerted efforts of the team laid a solid groundwork for the upcoming phases of the construction project, showcasing effective coordination and progress in transforming the initial plans into tangible results.



Digging site with the help of L-shaped steel rods.



Centerline marking and excavation pits.

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## DAY 6, 2<sup>nd</sup> March 2024.

### Excavating foundation and casting of concrete.

On the 6<sup>th</sup> day, we marked the foundation and with the help of digging tools and the markings done on the previous day, we made the foundation for our structure.

- Dug holes on proper markings for accurate and firm framework placement.
- Placed the framework into appropriate holes.
- Poured concrete for a firm and steady base.
- completed base formation.
- Teammates led the charge to firmly place bamboo into the base, creating an overview of the framework.
- Checked quality control measures at each completion of a process.

Ensured no violations occurred due to lack of attention to tasks. In Conclusion, on the sixth day, the team marked and excavated the foundation, ensuring precision in hole placement. After placing the framework, concrete was poured for a stable base. Bamboo was then firmly positioned, creating an overview of the structure. Throughout each step, rigorous quality control measures were adhered to, showcasing the team's commitment to a solid and well-constructed project. With these foundational tasks completed, the project is set for further progress in the upcoming days.



Placing of columns and pouring concrete.



**DAY 7, 3<sup>rd</sup> March 2024**

**Joining the Members.**

On the 7<sup>th</sup> day, after the concrete was set, we were ready to make the roof. We arranged and made all the preparations necessary for the roofing of the framework. Later we joined the remaining pieces of the frame for the roof. Once the framework was set with the help of bamboo mats, we started to place them according to the desired shape. Once all the tasks were completed, everyone inspected and ensured that the quality had been maintained and the framework was as per the design specifications.



**Placing of Arches in the excavation pits.**



**Joining the framework and giving temporary support to the framework for stability.**

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**DAY 8, 4<sup>th</sup> March 2024.**

**Finalizing of the structure.**

The final day of the workshop. We finalized our structure by adding skylight and railings for aesthetics.

- **Roofing sheet installation:** Day 8 began with installing with remaining bamboo roofing sheets with the help of nuts and bolts.
- **Finishing:** We finished the structure by drilling holes near the nodes and spraying non-termite spray to increase the life of the bamboo.
- **Adding railings:** To top it up, we added the railings made out of bamboo at the height of 2 ft from ground level at every side.
- **Final Inspection:** Once, every part of the gazebo was attached, all that left was to inspect the structure. We checked whether the structure was fixed at the base properly so that it wouldn't move during heavy winds. Also, we ensured its safety by smoothening out the surfaces of nails.



**Fitting of bamboo mats for roofing.**

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### Conclusion of Training workshop.

The program was concluded by a vote of thanks. This program was attended by Dr. Sampai Kaie (principal of Deoiaii Camp College), Mr. Bhaskar Pawar (coordinator of Maharashtra Bamboo Development Centre), Mrs. Jyoti Landge (coordinator of Jan Shikshan Sansthan, Nashik), Dr. Prajakta Baste (principal of MVP's college of architecture Nashik), Mr. Sandeep Gadekar (bamboo coach), Mr. Prashant Date (founder of bamboo next-LLP), Mr. Patwardhan (principal of diploma college of agriculture ) Ar. Sheetal Chougule, Ar. Umesh Hirwe (professors of MVP's COA Nashik), Mr. Sandeep Shine (assistant of jan shikshan sanstha ), Mr. Dattatray Bhokavle.

At last, students were grateful for this entire program and gave their valuable feedback. The program ended with energy and a vision of tomorrow within the aspiring architects.

### Learnings:

- Versatility of bamboo.
- importance of bamboo in the construction industry.
- Exploring traditional materials and techniques.
- Working in feet and inches for professional practice.
- Importance of teamwork.



Team of Third year B.Arch. with guests of Honor.

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**Name of Program:** F. Y. B. Arch.  
**Name of Course:** Workshop- II  
**Title of Assignment:** Timber Joinery (Integration with BCM-I)  
**Teaching methodology Adopted:** PARTICIPATIVE LEARNING  
**Name of the faculty:** Prof. Sankalp G. Bagul Prof. Levant G. Gavande  
**Academic Year:** 2023-24 **Sem: II**

<b>Objectives</b>	<ul style="list-style-type: none"><li>To understand the principles and techniques of <b>timber joinery</b> and various types of joints.</li><li>To learn the basics of <b>carpentry</b>, including framing, finish work, and cabinetmaking.</li><li>To develop practical skills using essential <b>tools</b> and understand the importance of <b>strength, aesthetics, and sustainability</b> in woodworking</li></ul>
<b>Date &amp; Duration</b>	20/03/2024 & 27/03/2024(3+3= 6 hrs)
<b>Venue</b>	MVPS SP. College of Architecture Nashik
<b>Student Attended</b>	First Year B. Arch.
<b>No of Students Present</b>	38 (A Div.), 38 (B Div.)
<b>Brief about the Program (Activity/Event)</b>	<ul style="list-style-type: none"><li>The timber joinery assignment focuses on understanding key joints like mortise and tenon, dovetail, and butt joints. It requires demonstrating practical skills in creating these joints with precision and using the appropriate tools. The assignment emphasizes the importance of strength, durability, and craftsmanship in woodworking.</li></ul>
<b>Students Outcome/Works example</b>	<ul style="list-style-type: none"><li>Students will create different types of timber joints, such as mortise and tenon and dovetail. They will test the strength and durability of these joints. Finally, students will design and build a small wooden project using these joinery techniques.</li></ul>

Program In-Charge

(Committee Chairperson)

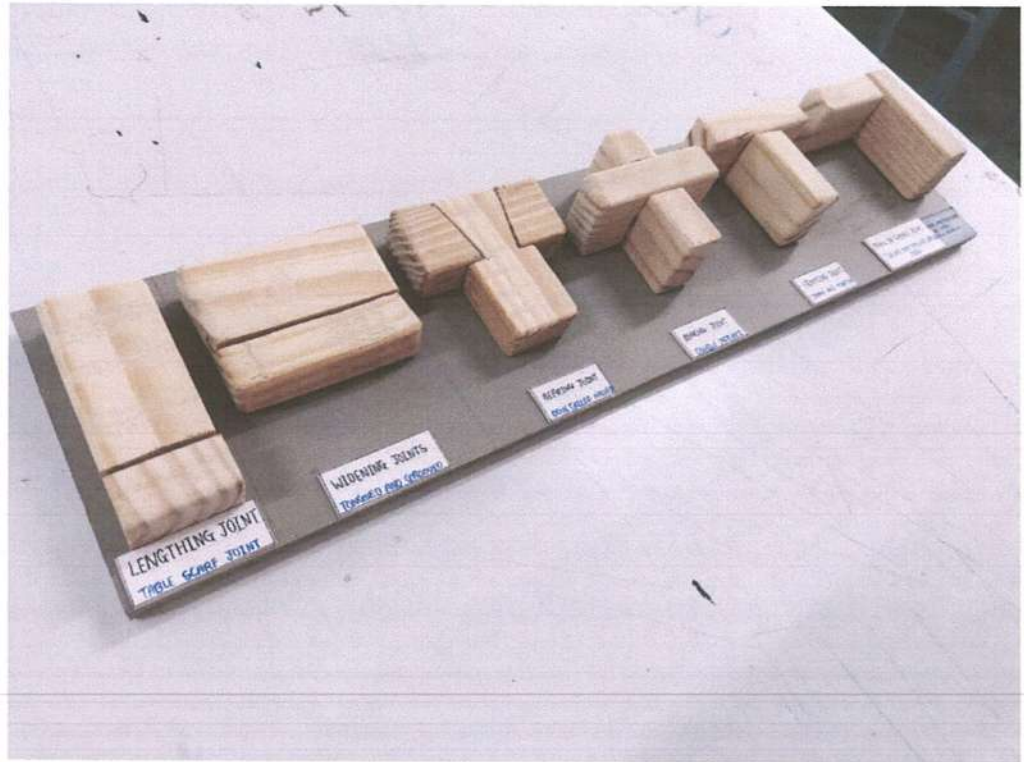
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## Structural model making

Academic Year : 2023-24

Semester : II

<b>Year</b>	First Year B.Arch.
<b>Subject Name</b>	Fundamental of Architecture
<b>Subject Code</b>	1201915
<b>Teaching Methodology Adopted</b>	Participatory
<b>Name of the Faculty</b>	Purva Shah, Ankita Nikam, Radhika Bhattad, Shreya Khare
<b>Objective</b>	To explore structural properties of different materials To make students understand the structural limitations of different materials through model making To challenge their creative imagination to stretch material limitations.
<b>Date &amp; Duration of Activity</b>	01/01/2024 – 4 hrs
<b>Venue</b>	First year studio, Mezzanine.
<b>No of Students Present</b>	Div A - 38 & Div B - 41
<b>Photograph/Video Available</b>	Yes / No (If Yes, attach geo-tag photographs)

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<b>Brief about the Program (Activity/Event)</b>	<p>Students were introduced to various structural systems and their basic loading conditions and load transfer mechanisms through a lecture. Further they were given different structural loading conditions like</p> <ol style="list-style-type: none"><li>1. Longest possible cantilever with matchsticks and a4 size paper</li><li>2. Maximum weight taking structure with a4 size paper</li><li>3. tallest freestanding structure with matchsticks</li><li>4. Maximum possible span with matchsticks</li></ol> <p>Students were given specific materials for specific tasks and students innovatively explored the material properties to build the structures in groups. Each group competed for the stability and strength of their structure was tested by TOS teachers.</p>
<b>Remarks</b>	Such Competitive studios that challenge student's imagination transcend the idea of structural systems effectively

Purva Shah

**Faculty in-charge**

Arpita Bhatt

**Approved by  
(IQAC)**

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## STUDENTS WORK:

1) Name of Student : Harshal Patil and group



Maximum weight taking structure from A4 size paper

1) Name of Student : Tejas Aher and group



Maximum weight taking structure from A4 size paper being tested by students

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Students team, faculty members and TOS team testing the load carrying capacity



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Name of Program:	F. Y. B. Arch.
Name of Course:	Workshop- II
Title of Assignment:	Truss (Integration with BCM-II)
Teaching methodology Adopted:	<b>PARTICIPATIVE LEARNING</b>
Name of the faculty:	<b>Prof. Sankalp G. Bagul Prof. Levant G. Gavande</b>
Academic Year:	<b>2023-24 Sem: II</b>

<b>Objectives</b>	<p>To understand the basic <b>concepts of trusses</b> and their role in structural engineering.</p> <p>To learn how to design and <b>construct a truss model</b> using appropriate materials.</p> <p>To develop hands-on skills in assembling a <b>structural model</b> and understanding the forces acting on it.</p>
<b>Date &amp; Duration</b>	08/05/2024 & 15/05/2024(3+3= 6 hrs)
<b>Venue</b>	MVPS SP. College of Architecture Nashik
<b>Student Attended</b>	First Year B. Arch.
<b>No of Students Present</b>	38 (A Div.), 38 (B Div.)
<b>Brief about the Program (Activity/Event)</b>	<ul style="list-style-type: none"><li>The <b>Queen and King Post Truss Model Making</b> assignment involves building small models of both trusses. The <b>Queen Post Truss</b> uses two vertical posts and is for longer spans, while the <b>King Post Truss</b> has one central post for shorter spans. Students will learn about <b>structural design</b> and <b>load distribution</b>. The task helps apply these concepts through hands-on building.</li></ul>
<b>Students Outcome/Works example</b>	<ul style="list-style-type: none"><li>Students will learn to <b>construct accurate Queen and King Post truss models</b>. They will understand <b>load distribution</b> and how each truss supports different spans. Students will apply <b>structural principles</b> to create stable models. They will also develop skills in <b>measuring, assembling</b>, and ensuring the strength of the structures.</li></ul>

  
Program In-charge

  
(Committee Chairperson)

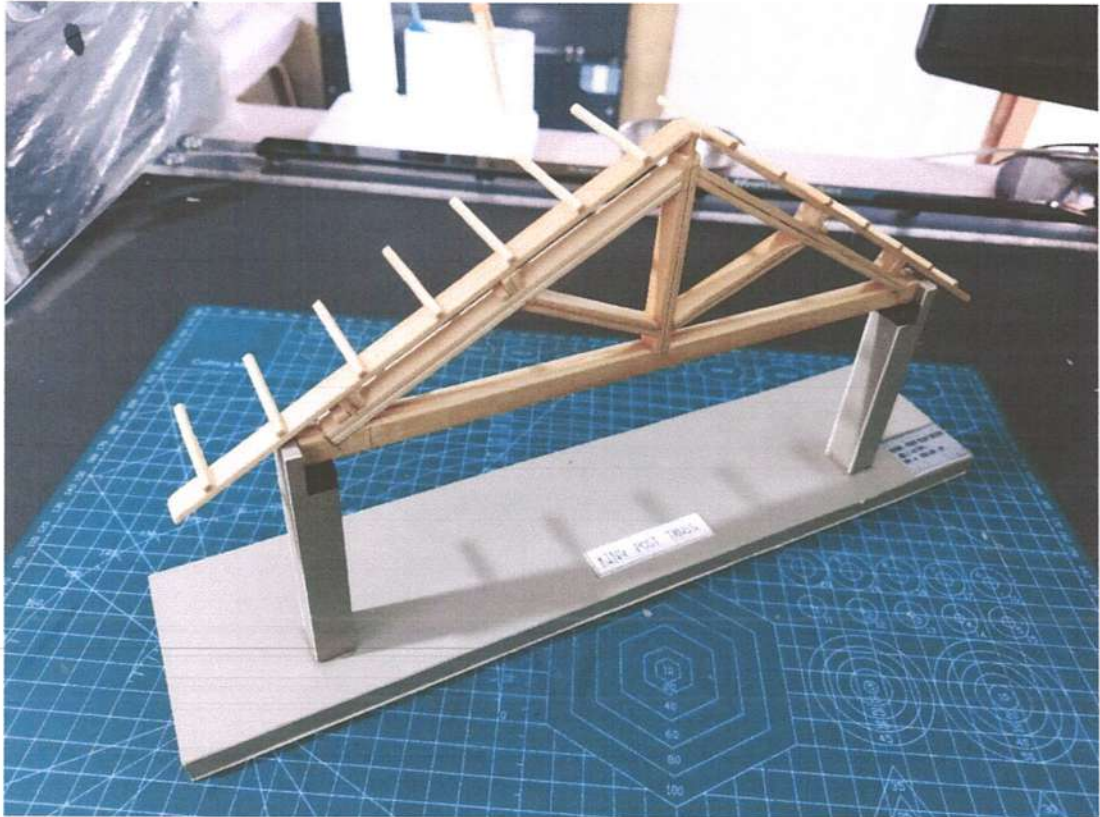
  
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## Bachelor of Design



## Criterion 7 – Institutional Values and Best Practices

### Key Indicator - 7.2 – Best Practices

**7.2.1 Describe two best practices successfully implemented by the institution as per NAAC format provided in the Manual.**

Sr. No.	Contents (Documents)
	<b>Bachelor of Design</b>
<b>A</b>	<b>Best Practice 1: Academic Exhibition</b>
1	Annual Exhibition Report (2023-24)
2	Feedback from students for exhibition
3	Series of spot exhibitions (2023-24)
4	Feedback from students for spot exhibition
<b>B</b>	<b>Best Practice 2: Hands on Workshop Reports</b>
1	Workshop Reports (2023-24)



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## Criterion 7 – Institutional Values and Best Practices

### Key Indicator - 7.2 – Best Practices

**7.2.1 Describe two best practices successfully implemented by the institution as per NAAC format provided in the Manual.**

<b>BEST PRACTICE - 1 : Annual Academic Exhibition</b>			
<b>Bachelor of Design</b>			
<b>A.Y. Year</b>	<b>Sr.no.</b>	<b>Date</b>	<b>Event</b>
2023-24	1	03-04-2024 – 03-06-2024	Annual academic exhibition
		17-03-2023 04-10-2023 11-10-2023 26-11-2023 21-03-2024	
	2	13-04-2024	Series of Spot Exhibitions



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## A Report on Annual Academic Exhibition

Academic Year: 2023-24

Semester : II

Organised By	Bachelor of Design
Objectives	The Objectives of this programme: <ul style="list-style-type: none"><li>To provide a platform for the exceptional academic work to be exhibited and appreciated.</li><li>To inspire and motivate the junior students through the exhibited work.</li></ul>
Name of Resource Person	Prof. Zia Shaikh
Resource Person Post and Organization	Exhibition committee Chairman. M.V.P.S's S.P. College of Architecture, Nashik
Date and Time	03/04/2024 to 03/06/2024 8:00am to 4:00pm
Venue	Atrium, M.V.P.S's S.P. College of Architecture, Nashik
Program In-Charge	Prof. Zia Shaikh
No of Students Present	Entire college
Program Approved by	Prof.Smita Kasarpatil.
Supporting Staff Member	Prof. Saylee Bhosle.
Photograph/Video Available	Photographs without geo tag available.





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<b>Brief about the Program (Activity/Event)</b>	<ul style="list-style-type: none"><li>• On the 3<sup>rd</sup> of April 2024, the annual academic exhibition named 'Vimarsh' was inaugurated.</li><li>• The third year students designed the layout and the panels of the exhibition.</li><li>• The academic work, hands on workshop work of the entire cross section from 1<sup>st</sup> year to 4<sup>th</sup> year of all the streams was exhibited.</li><li>• The exhibition also included photography done by the students.</li><li>• The exhibition was curated by a team of faculty members.</li><li>• The exhibition provided an opportunity for all stakeholders like current students, aspiring students and parents to get informed about the curriculum and its outcome.</li><li>• The exhibition fostered healthy competition and helped motivate the students to aim higher in their academic achievements.</li></ul>
<b>Remarks</b>	The design and execution of the exhibition was done well and allowed the visitors to easily understand the curriculum, its conduction and outcome.

  
Program in-charge

  
Approved by  
(Committee Chairman)

  
Principal





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**The layout of the exhibition.**



**The student council members of the exhibition.**

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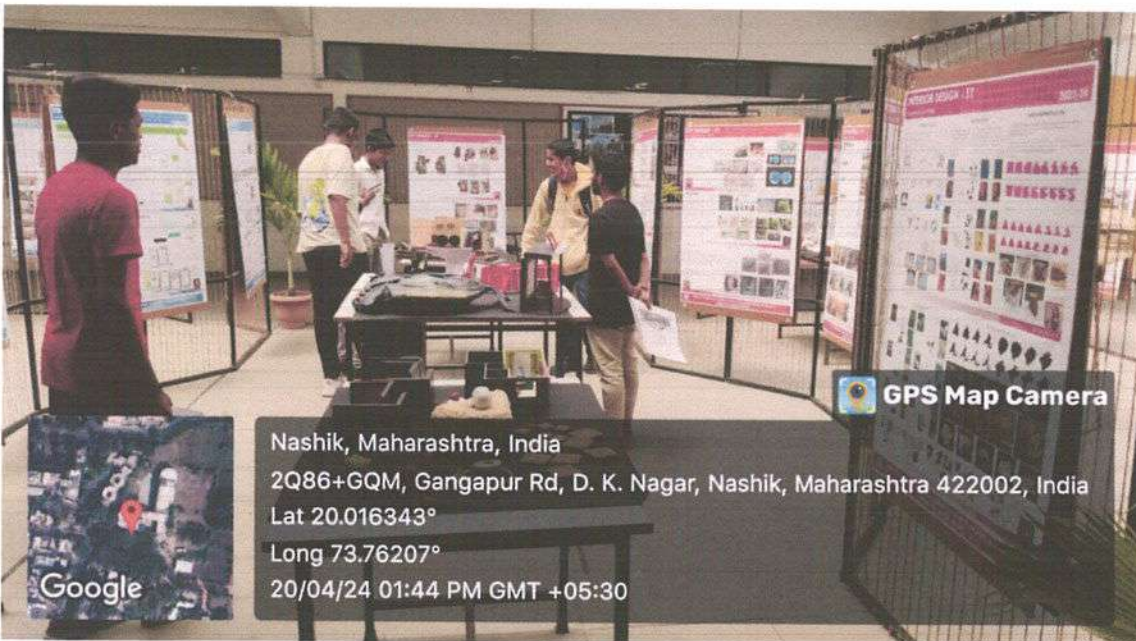
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Nashik, Maharashtra, India  
2Q86+GQM, Gangapur Rd, D. K. Nagar, Nashik, Maharashtra 422002, India  
Lat 20.016365°  
Long 73.762099°  
20/04/24 01:41 PM GMT +05:30



Nashik, Maharashtra, India  
2Q86+GQM, Gangapur Rd, D. K. Nagar, Nashik, Maharashtra 422002, India  
Lat 20.016343°  
Long 73.76207°  
20/04/24 01:44 PM GMT +05:30

External Students visiting the exhibition.

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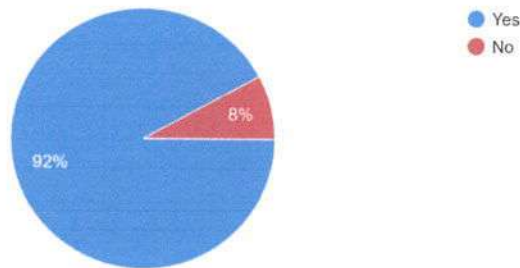
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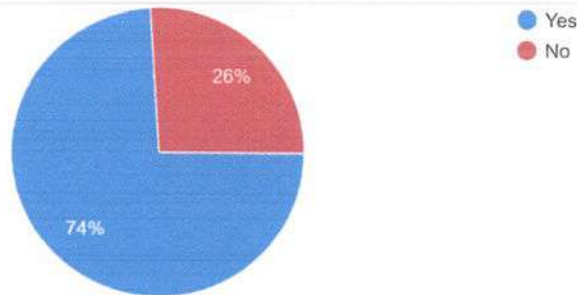


## Academic Annual Exhibition Feedback 2023-24

Did you go through the exhibition panels when visiting the campus during admission enquiry?  
50 responses



Did your parent's visit the exhibition ?  
50 responses



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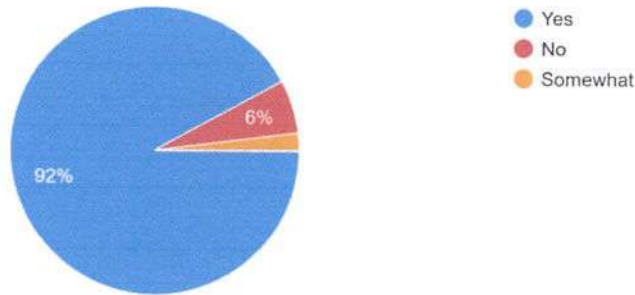
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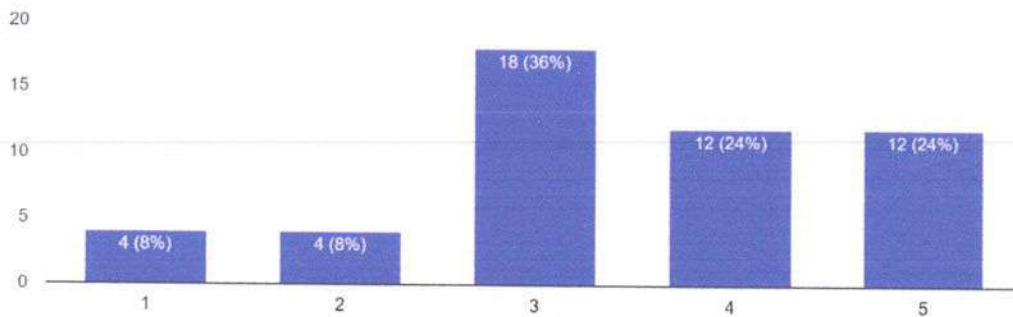
Did the exhibition inspire or influence your interest in the field of design?

50 responses



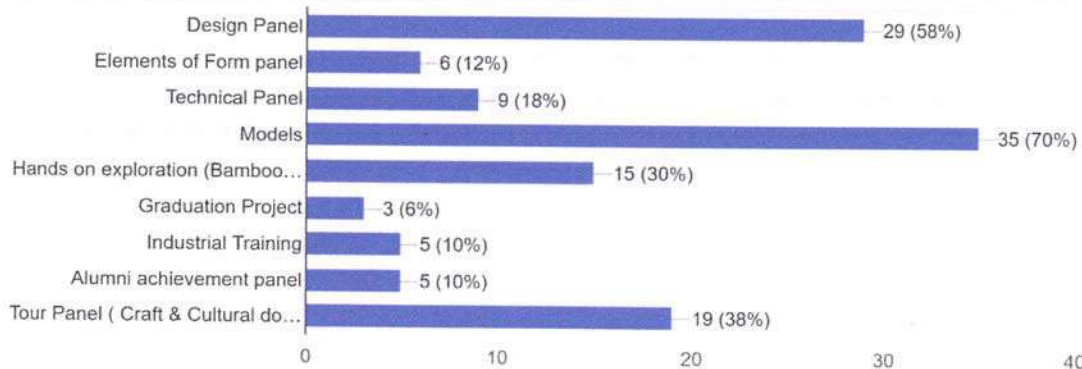
Did you gain clarity from the exhibition with respect to respective streams?

50 responses



Which part/panel of the exhibition interested you the most?

50 responses



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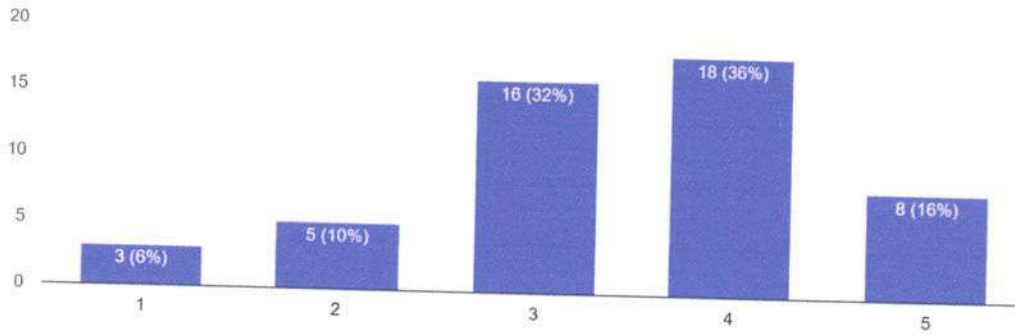
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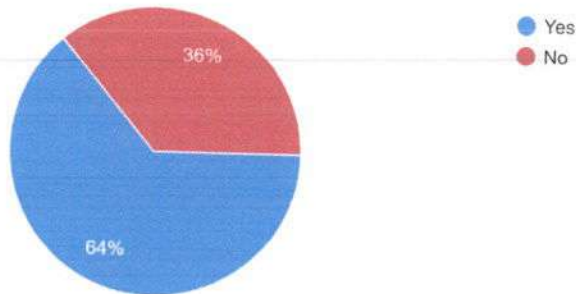
How much did you learn about the curriculum and scope of work in the design course after seeing works from all classes?

50 responses



Did you interact with the designated representative to get more information?

50 responses



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Architecture, Nashik





# MVPS's SP College of Architecture

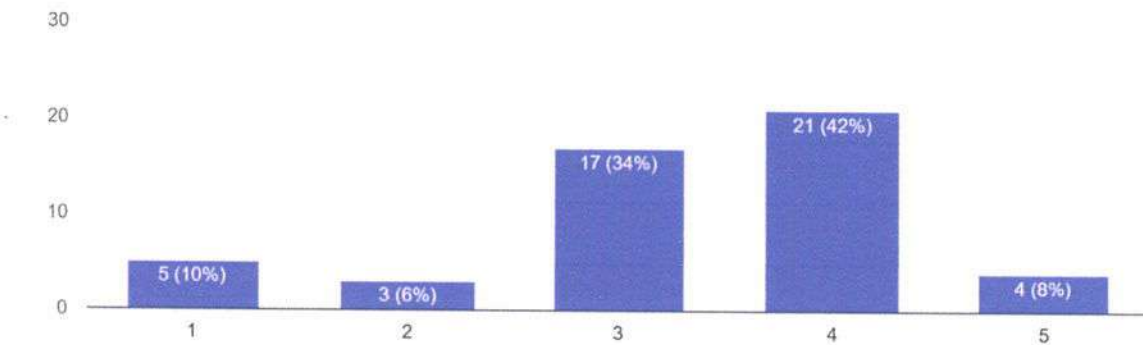
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How much did the interaction help you prepare for understanding the design curriculum?

50 responses



The academic Bachelor of Design exhibition received positive feedback from students and their parents. A significant 92% of students visited the exhibition during the admission inquiry process, with 74% of parents also attending to better understand the course structure. The exhibition played a pivotal role in inspiring 92% of students to enroll in the program. Approximately half of the students reported gaining clarity about the course, while 36% remained neutral in this regard. Key highlights, such as the Design project panel and models, effectively showcased the syllabus and teaching methodology, enhancing student understanding. Additionally, 64% of students interacted with designated faculty members, which further clarified the curriculum and provided valuable insights into the program. Overall, the exhibition proved beneficial in engaging prospective students and fostering informed decision-making about the course.

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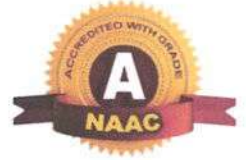




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### Series of Spot exhibitions

Academic Year : 2023-24

Year-round Activity

<b>Year</b>	First to Final year (Bachelor of Design)
<b>Subject Name</b>	<ul style="list-style-type: none"><li>History I (PD/FD)</li><li>Elements of Form I (ID/PD/FD)</li><li>Craft &amp; Cultural Documentation (PD/FD/ID/SD)</li><li>Elements of Form II (ID)</li><li>Environmental Perception (First Year)</li></ul>
<b>Objective</b>	<ul style="list-style-type: none"><li>Organize periodic class-wise spot exhibitions throughout the academic year.</li><li>Showcase innovative works from various studios to a broad audience, including students across different year levels and faculty members from diverse disciplines.</li><li>Share knowledge about specific subjects and their scope, particularly with junior students, to inspire and inform them.</li></ul>
<b>Date &amp; Duration of Activity</b>	Week long - <ul style="list-style-type: none"><li>History I (PD/FD)- 17th September 2023</li><li>Elements of Form I (ID)- 4th October 2023</li><li>Craft &amp; Cultural Documentation (PD/FD/ID/SD)- 11th October 2023</li><li>Elements of Form I ( PD/FD)- 26th October 2023.</li><li>Elements of Form I (ID)- 21st October 2024.</li><li>Environmental Perception (First Year)- 13th April 2024</li></ul>
<b>Venue</b>	Atrium passage, MVPS's SP College of Architecture
<b>No of Students Present</b>	NA
<b>Photograph/Video Available</b>	Yes (No geotag photo)

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<b>Brief about the Program (Activity/Event)</b>	<p>Intermittent spot exhibitions are held throughout the semester across various subjects. These exhibitions showcase student work in common areas, such as the atrium, providing an opportunity for peers and faculty members from diverse classes and disciplines to observe, engage, and learn.</p> <p>The exhibitions are designed to present the creative and practical outcomes of hands-on workshops and participatory learning methodologies. They serve as a platform to highlight the interactive and experiential learning processes that students undertake, with a focus on fostering skill development, collaboration, and problem-solving abilities.</p> <p>By translating theoretical concepts into tangible results, these exhibitions allow the broader academic community to appreciate innovative approaches and active learning techniques. Additionally, they promote peer-to-peer learning by encouraging students to share their insights, techniques, and creative processes, fostering a culture of mutual growth and inspiration.</p>
<b>Remarks</b>	Good vertical peer learning can be observed.

  
Faculty in-charge

  
Approved by  
(ADC)

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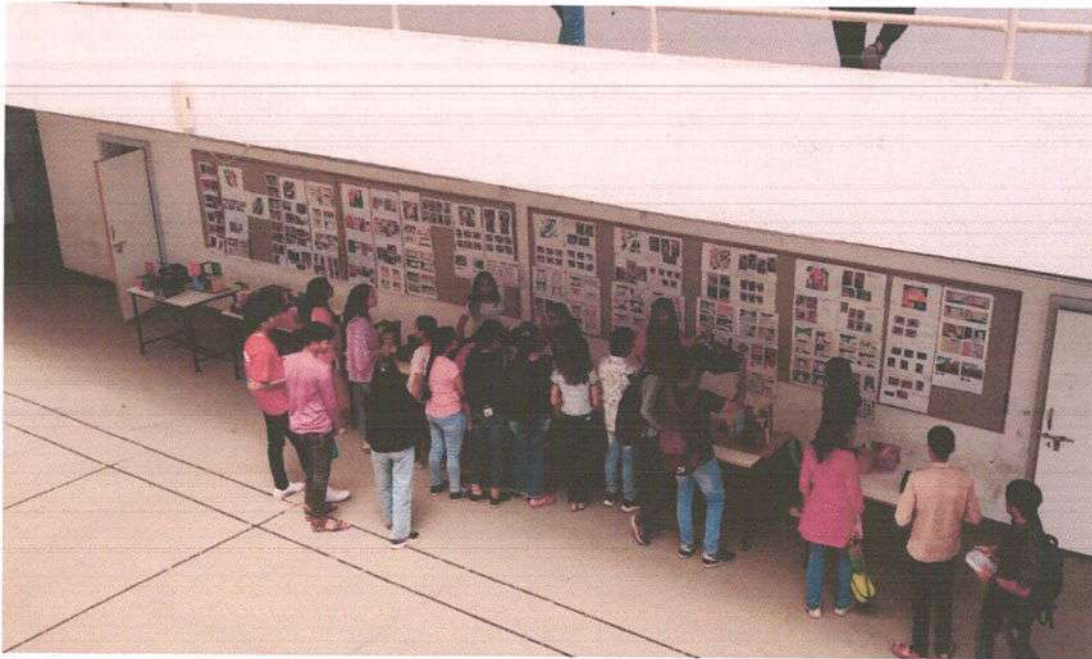




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Students presenting their work

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Pin up Display of the work

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## Criterion 7 – Institutional Values and Best Practices

### Key Indicator - 7.2 – Best Practices

**7.2.1 Describe two best practices successfully implemented by the institution as per NAAC format provided in the Manual.**

BEST PRACTICE - 2 : Hands on Workshop			
Bachelor of Design			
A.Y. Year	Sr.no.	Date	Event
	1	26 <sup>th</sup> – 27 <sup>th</sup> July 2023	Video production of Monolog-Write, Compose & Shoot
	2	4 <sup>th</sup> – 6 <sup>th</sup> August 2023	Workshop on Abstraction
	3	13 TH – 17 <sup>TH</sup> September 2023	Workshop on Fountain pen History and Design
	4	15 <sup>th</sup> -17 <sup>th</sup> September 2023	Workshop on Form, Space and Order
	5	22 <sup>nd</sup> -24 <sup>th</sup> September 2023	Workshop on Biomorphism
	6	13 <sup>th</sup> – 15 <sup>th</sup> October 2023	Workshop on Form Manipulation
	7	29 <sup>th</sup> October 2023, 6 <sup>th</sup> December 2023, 13 <sup>th</sup> December 2023	Costume making using newspaper
	8	14 <sup>th</sup> – 16 <sup>th</sup> March 2024	Colours in Design
	9	3 <sup>rd</sup> – 5 <sup>th</sup> April 2024	Hands on workshop to understand FRP as material and to explore its use in Set design
	2023-24	10	3- 6 <sup>th</sup> April 2024





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### Video Production of Monologue – Write, Compose & Shoot

Academic Year: 2023-24

Semester: V

Year	Third Year B. Des.
Subject Name	Lights & Camera - I
Subject Code	SD173597
Teaching Methodology Adopted	Participatory
Name of the Faculty	Tushar Kulkarni
Objective	To study and understand the language of moving images created by movie camera and lights from the set designers perspective.
Date & Duration of Activity	Introduction to Movie Camera [26/07/2023; 9.00 am – 3.30pm] Introduction to Light design for shooting [27/07/2023; 9.00 am – 3.30pm]
Venue	MVPS's Sharadchandraji Pawar College of Architecture, Nashik Campus Lecture Hall 2
No of Students Present	05
Photograph/Video Available	Yes

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<b>Brief about the Program (Activity/Event)</b>	<p>Stage 1 :</p> <ul style="list-style-type: none"><li>• Students were introduced to the basic terminology and working of movie camera.</li><li>• students explored camera frame work and moving composition</li></ul> <p>Stage 2 :</p> <ul style="list-style-type: none"><li>• Students were introduced to the basic terminology of Light design for shooting and working of equipments used for video production</li><li>• Students explored lighting equipments</li><li>• Explorations with basics of light design done</li></ul> <p>Stage 3 :</p> <ul style="list-style-type: none"><li>• A participatory discussion session was done with the students. Some examples of work by noted cinematographers from industry were discussed.</li><li>• Assignment was introduced. The students need to shoot a monologue in college campus. How to execute the assignment was discussed with students.</li><li>• The students worked on their individual monologue, which was then discussed. Feedback was given and 2/3 draft and storyboarding done in consecutive discussions.</li></ul> <p>Stage 4 :</p> <ul style="list-style-type: none"><li>• After revisions, students reached a technically right, well composed monologue.</li></ul>
<b>Remarks</b>	<ul style="list-style-type: none"><li>• Through this exercise, Student understands basic principles of movie camera composition. They are able to do basic Light design for shooting.</li></ul>

  
Faculty In-charge

  
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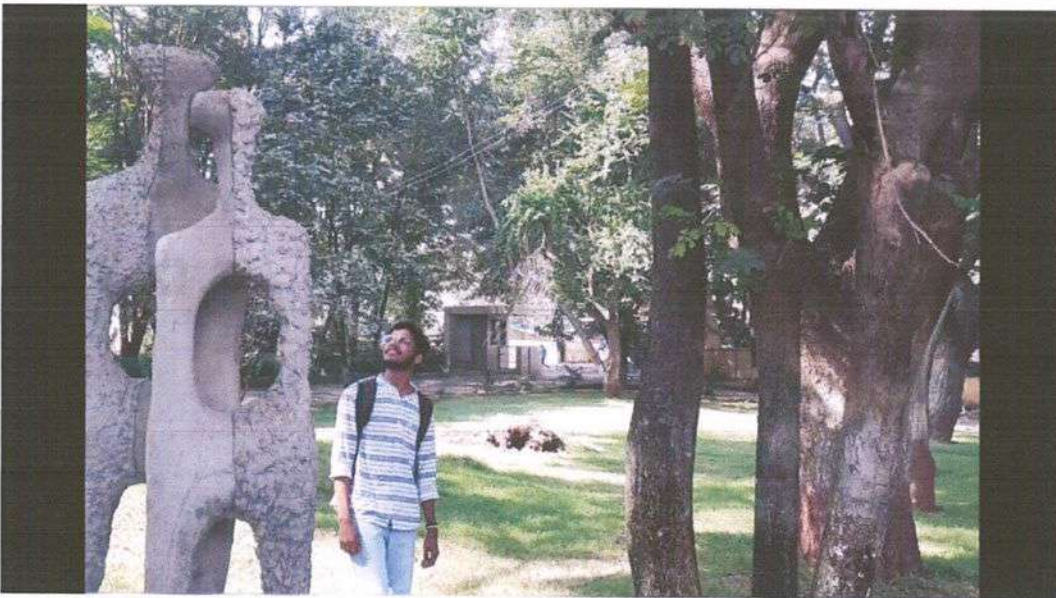
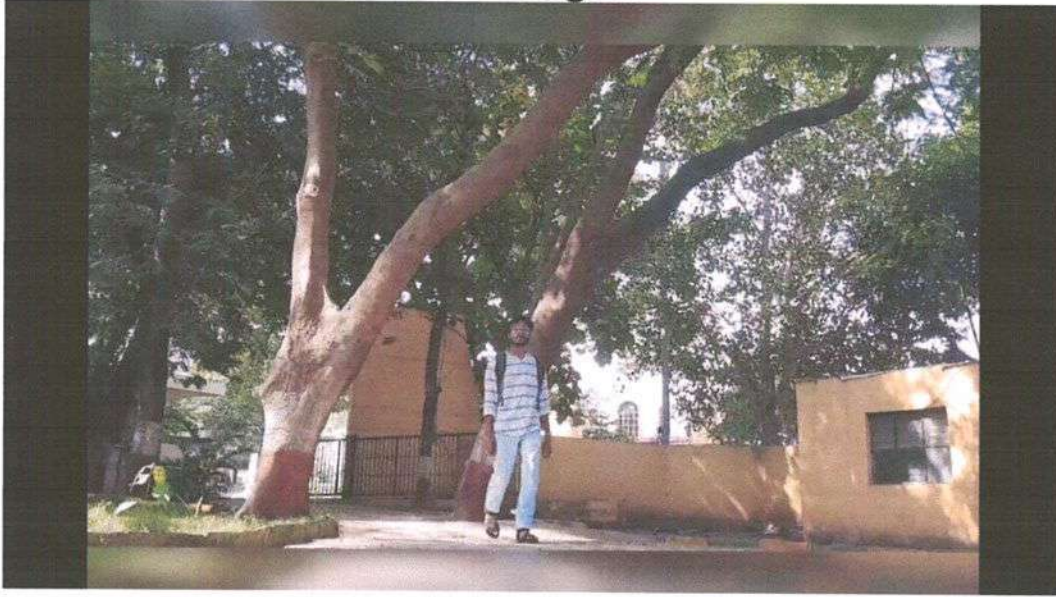
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### screen shots from monologue



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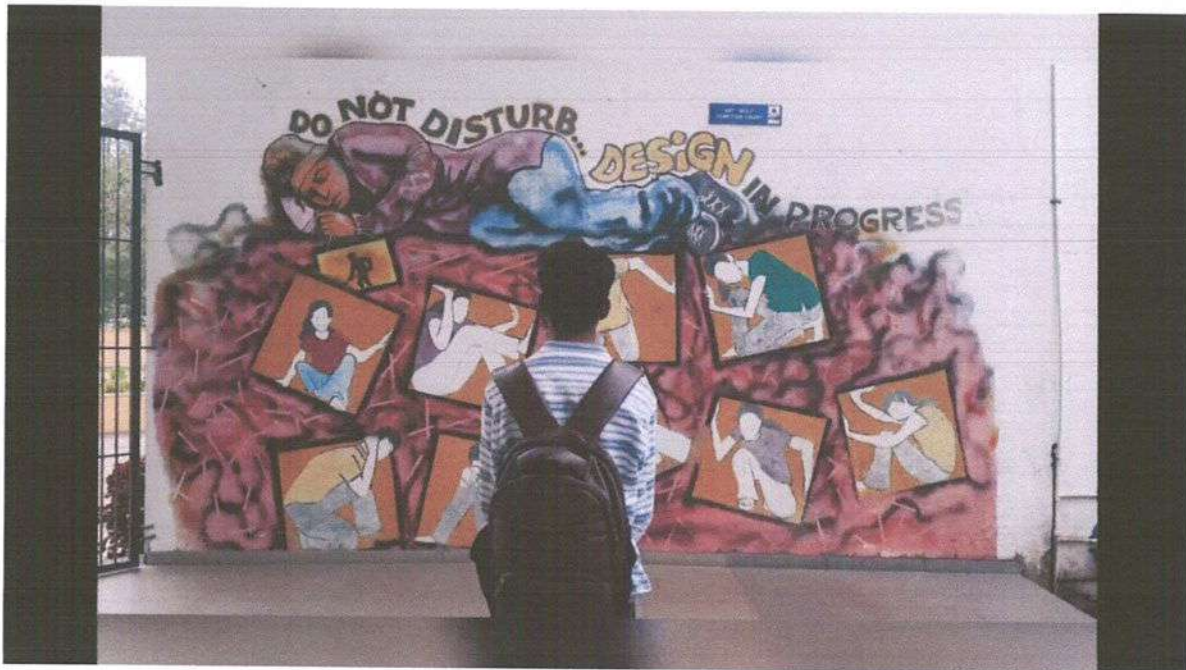




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**MVPS's SP College of Architecture, NASHIK**

# WORKSHOP ON ABSTARCTION ELEMENTS OF FORM I



**EXPERT**

**MR. AMEYA  
VAGHODKAR**

M.DES  
(AUTOMOTIVE DESIGN)



**DATE:**

4th, 5th & 6th August  
2023

**TIME :**

9:00am to 6:00 pm

**VENUE:**

B.Des Studio

MVPS's Sharadchandraji Pawar College of Architecture, Nashik.  
Udoji Maratha Boarding Campus, Gangapur Road, Nashik.

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## Report on Workshop on Elements of Form I, Abstraction

Academic Year : 2023-24

Semester : III

Year	2nd year B.Des (Product & Furniture)
Subject Name	Elements of Form I
Subject Code	PD- 163468, FD- 163536
Teaching Methodology Adopted	Participatory
Name of the Faculty	Prof. Priyansi Tambat
Objective	Understanding the concept of abstraction to develop 3 D forms by subtraction and addition of volumes, axes and their importance, relative proportion.
Date & Duration of Activity	4th, 5th, 6th August 2023 10:00 am to 6:00 pm
Venue	MVPS's Sharadchandraji Pawar College of Architecture, Nashik.
No of Students Present	22
Photograph/Video Available	Yes (No geotag photos)

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<b>Brief about the Program (Activity/Event)</b>	<p>Day 1: Introduction to the concept of abstraction and its application to product and furniture design.</p> <p>Introduction to terminology of attribute and its relation. Introduction to the philosophy of abstraction with examples of cars with respect to speed as an attribute.</p> <p>Day 2: Selection of 5 images from nature of the organism (flower, animal or bird). Decode the form to understand subtraction and addition of volumes, axes and their importance, relative proportion. Attribute.</p> <p>Day 3 : Three dimensional forms were developed from the selected species.</p> <p>The workshop aimed at the development of organic forms.</p>
<b>Remarks</b>	Workshop is well executed & completed in a defined timeframe.

  
Faculty in-charge

  
Approved by  
(ADC)



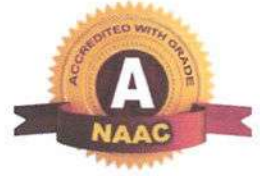




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**MVPS's COLLEGE OF ARCHITECTURE  
AND CENTRE FOR DESIGN, NASHIK.**

## WORKSHOP ON ART AND DESIGN OF FOUNTAIN PEN

**YASHWANT PITKAR**

Architect, Teacher, Photographer & Collector. Faculty member at Sir J. J. College of Architecture for 28 years. Recently appointed as Prof. Emeritus in School of Architecture and Planning by Woxsen University, Hyderabad.

Collector and user of Fountain pens & Ink bottles for 40 years. Conducted a workshop at NID Ahemdabad on "History, Design and Development of a Fountain Pen.



**15, 16, 17  
SEPTEMBER**



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### Workshop on Fountain Pen History and Design.

Academic Year : 2023-24

Semester : I/II/III etc.

Year	Second and Third Year Product and Furniture Design.
Subject Name	History I and History III (Product and Furniture Design)
Subject Code	PD163467, FD163535, PD173558, FD173613
Teaching Methodology Adopted	Participatory.
Name of the Faculty	Prof.Suvarna Patil
Objective	The Objectives of this workshop was: <ol style="list-style-type: none"><li>1. Give exposure of design potential and intervention in fountain pen design.</li><li>2. Give exposure of international brands.</li><li>3. Pen an object of desire.</li><li>4. Pen an object of status symbol.</li><li>5. Designing fountain pen with reflective and semantic value.</li></ol>
Date & Duration of Activity	15 <sup>th</sup> ,16 <sup>th</sup> and 17 <sup>th</sup> September 2023 – 6 hours everyday.
Venue	MVPS's SP College of Architecture, Nashik
No of Students Present	SYPD - 15 SYFD -7 TYPD - 15 TYFD- 7
Photograph/Video Available	Yes / No (If Yes, attach geo-tag photographs)

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<b>Brief about the Program (Activity/Event)</b>	<p>Day 1: Talk by Prof. Y.D. Pitkar sir was designed with emphasis on pen an object of status and desire. this talk gave an exposure of brands, design thinking, form, material and finish to narrate and convey the story. the interactive session raised interesting curiosity and awareness about fountain pen and its future.</p> <p>the task of identifying place, event, person, object or thought was engagingly executed. Students engage in research to find out facts, figures, attributes, visual clue that can be used as clues for translating it into product communication.</p> <p>Quick doodles to convey the idea.</p>
<b>Remarks</b>	<p>The faculty decided to design experiential and participatory workshop with subject integration and vertical integration of students for co learning , cooperation .collaboration co creation and co growing with the same inspiration, enthusiasm and zeal to productively engage students .To be conducted next year</p>

Faculty in-charge



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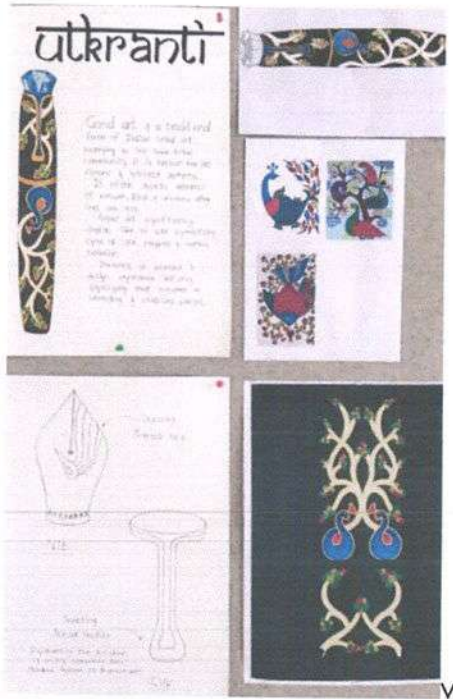
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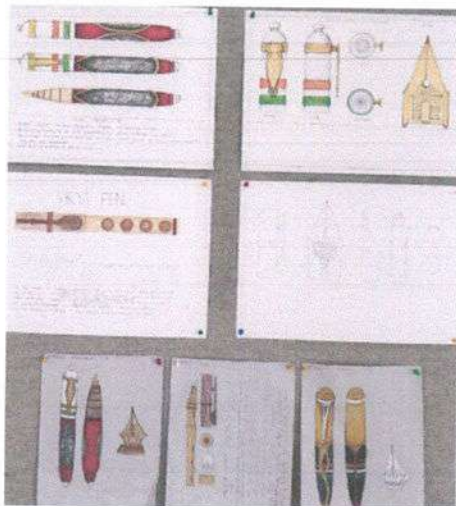


## STUDENTS WORK:

1) Name of Student : Anushka Nagare and Vaibhav Tidke.



2) Name of Student: Manas Gahiwad and Sakshi Gaware.



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3) Name of Student : Siddharat Vadessary and Shravani Rajput.



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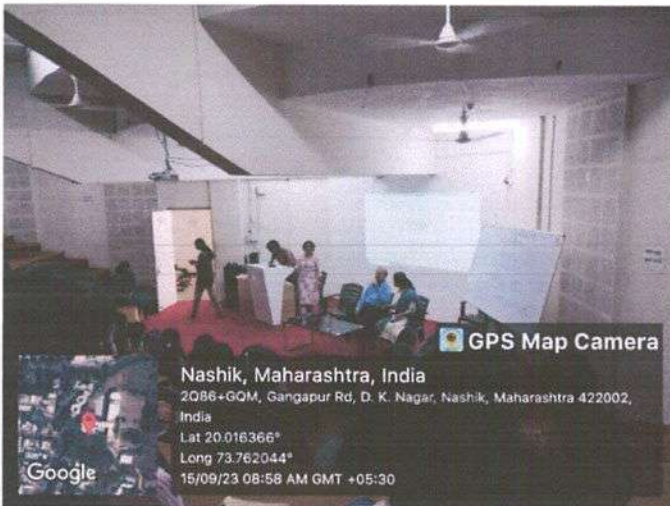
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Note : Captured by GPS Map Camera



Nashik, MH, India  
Dadoji Kondev Nagar, Nashik, 422013, MH, India  
Lat 20.016507, Long 73.762116  
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Note : Captured by GPS Map Camera



Nashik, Maharashtra, India  
2086+GQM, Gangapur Rd, D. K. Nagar, Nashik, Maharashtra 422002, India  
Lat 20.016366°  
Long 73.762044°  
15/09/23 08:58 AM GMT +05:30



Nashik, MH, India  
Dadoji Kondev Nagar, Nashik, 422013, MH, India  
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Note : Captured by GPS Map Camera



Nashik, MH, India  
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Lat 20.016650, Long 73.762019  
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Note : Captured by GPS Map Camera



Nashik, MH, India  
Dadoji Kondev Nagar, Nashik, 422013, MH, India  
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Students actively engaging in hands-on experience.

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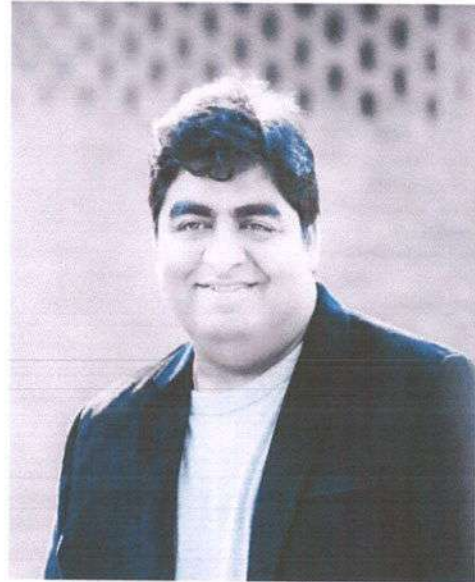
**MVPS's College of Architecture and  
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# Workshop on **Form-Space & Order**

Expert :

**Ar. Abhijit Kothari**

Architect, Interior Designer



*Understanding configurations of Form & Structure in  
Interior Design*

**Time: 9:00 am to 3:00 pm**

**15th -17th September 2023**

cansnashik@mvp.edu.in

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## Workshop on Form, Space & Order

Academic Year : 2023-24

Semester : III

Year	Second Year B. Des.
Subject Name	Elements of Form I
Subject Code	163491
Teaching Methodology Adopted	Participatory
Name of the Faculty	Prof. Natasha P. Parsai
Resource Person	Ar. Abhijit Kothari
Objective	To make students understand the strong association between Form, Space and Order in Interior Architecture.
Date & Duration of Activity	Dates: 15/09/2023 to 17/09/2023, Duration : 9:00 am to 3:00pm
Venue	MVPS's SP College of Architecture
No of Students Present	12
Photograph/Video Available	Yes

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<b>Brief about the Program (Activity)</b>	<p>The Workshop under the subject of Elements of Form I exposed students towards importance of Form and Order in Interior Space Design.</p> <p>The exercise of a pavilion design made them understand the connection between human form and immediate enclosure. It helped them design the various spatial elements to create an experiential journey in the Pavillion space.</p> <p>The Hands on exercise made students create the space starting from point, lone and curve. The manifestation of these elements in the space was well explored.</p> <p>A Spot exhibition was also displayed in College to show all the work done under this Workshop. The students and Faculty from various departments visited and interacted with the participatory students on their workshop exercises and learning.</p>
<b>Remarks</b>	<p>The understanding of human scale in the interior space was well explored and understood. The students created scaled models of pavilions based on their own concepts which helped in exploring their creativity.</p>

**Faculty in-charge**  
Prof. Natasha P. Parsai

**Approved by**  
(ADC)

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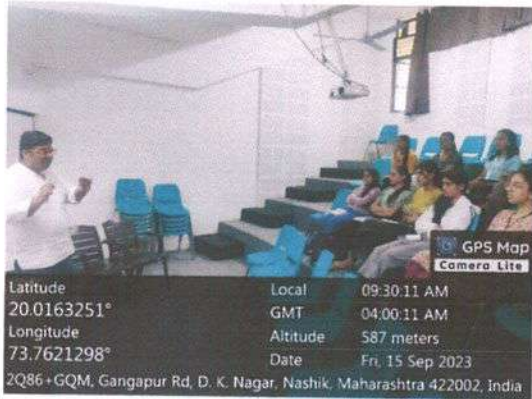




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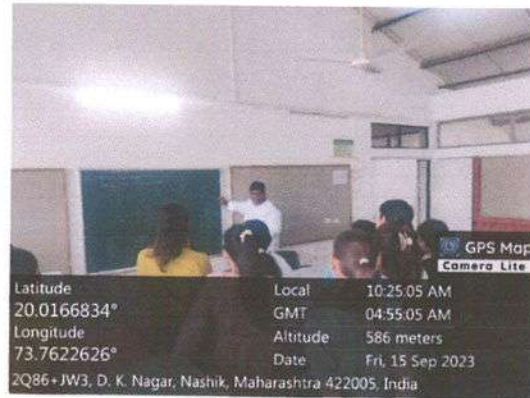
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Latitude	Local	09:30:11 AM
20.0163251°	GMT	04:00:11 AM
Longitude	Altitude	587 meters
73.7621298°	Date	Fri, 15 Sep 2023
2Q86+QQM, Gangapur Rd, D. K. Nagar, Nashik, Maharashtra 422002, India		

Lecture of the Guest speaker



Latitude	Local	10:25:05 AM
20.0166834°	GMT	04:55:05 AM
Longitude	Altitude	586 meters
73.7622626°	Date	Fri, 15 Sep 2023
2Q86+JW3, D. K. Nagar, Nashik, Maharashtra 422005, India		

Explanation of the exercise formulated



Latitude	Local	02:54:56 PM
20.01659525°	GMT	09:24:56 AM
Longitude	Altitude	584 meters
73.76330893°	Date	Fri, 15 Sep 2023
2Q87+Q6F, DK Nagar Rd, D. K. Nagar, Nashik, Maharashtra 422005, India		

Feedback session



Students developing the layouts



Students with their models



Spot exhibition of students works

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**WORKSHOP  
ON  
BIOMORPHISM**

**EXPERT**  
**Ar. Asad Firdos**  
Architect & Furniture Designer

PROPERITER OF  
FIRDOS FURNISHER

Date : 22nd, 23rd ,24th September 2023

Venue : B.Des Studio

Time : 9:00am to 6:00 PM

MVPS's Sharadchandraji Pawar College of Architecture, Nashik.  
Udoji Maratha Boarding Campus, Gangapur Road, Nashik.

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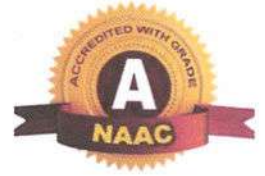




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### Report on Workshop on Biomorphism

Academic Year : 2023-24

Semester : V

Year	3rd year B.Des (Product & Furniture)
Subject Name	Elements of Form III
Subject Code	PD- 173559, FD- 173614
Teaching Methodology Adopted	Participatory
Name of the Faculty	Prof. Pratiksha Bankar
Objective	<ol style="list-style-type: none"><li>1. To study forms in nature to understand the what, why and how nature articulates it.</li><li>2. To understand the rational logic of the form in response to the function.</li></ol>
Date & Duration of Activity	22nd ,23rd ,24th September 2023 9:00 am to 6:00 pm
Venue	MVPS's Sharadchandraji Pawar College of Architecture, Nashik.
No of Students Present	22
Photograph/Video Available	Yes

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<b>Brief about the Program (Activity/Event)</b>	Three days of an enriching workshop was organized for the students of Product and Furniture Design in the month of September, focusing on the captivating concepts of Biomimicry and Biomorphism. The event was skillfully led by Mr. Asad Firdosy, Mr. Shayan Firdosy, and Mr. Chandan Singh Thakur, renowned designers hailing from Nagpur, known for their expertise in the realm of Biomorphism. Notably, Mr. Firdosy operates his own esteemed design studio under the name of Asad Firdosy Designs. This three-day immersive experience provided us with invaluable insights and practical exposure to the intricate processes of biomimicry and biomorphism, truly a rare and exceptional opportunity.
<b>Remarks</b>	Workshop is well executed & completed in a defined timeframe. The students developed an understanding and articulate the nature inspired form into product/ furniture

  
Faculty in-charge

  
Approved by  
(ADC)

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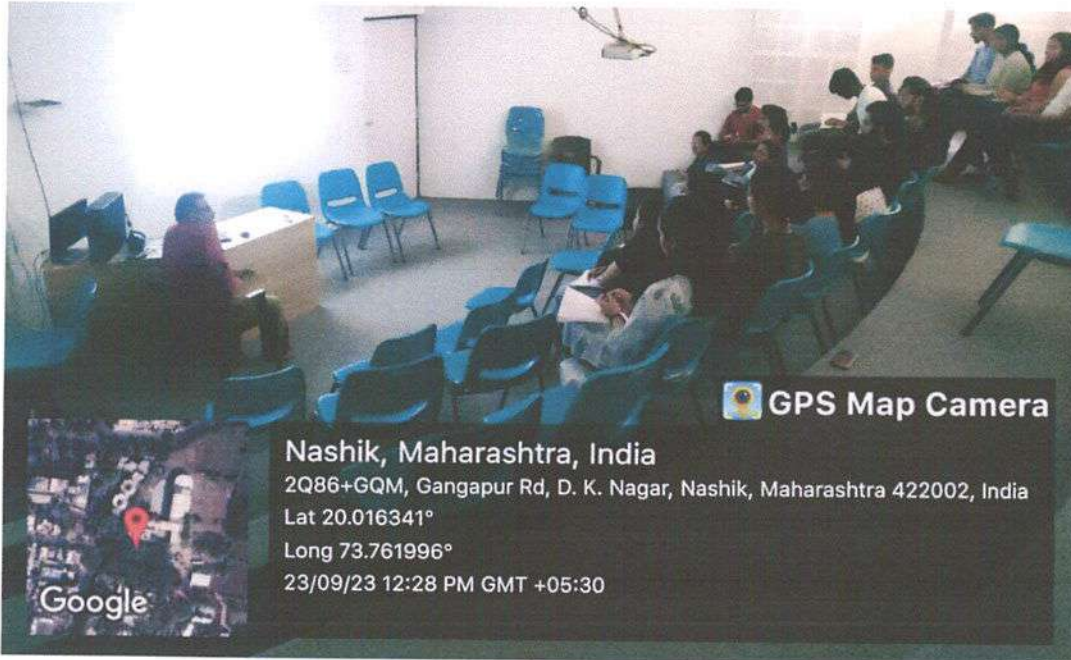




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# WORKSHOP ON FORM MANIPULATION



EXPERT

**Prof. AVINASH  
SHENDE**

PhD Industrial  
Design

**IDC, IIT Bombay**

Date : 13th, 14th  
& 15th Oct. 2023

Venue :  
B.Des Studio

Time : 9:00am to  
6:00 PM

MVPS's Sharadchandraji Pawar College of Architecture, Nashik.  
Udoji Maratha Boarding Campus, Gangapur Road, Nashik.

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### Report on Workshop on Form Manipulation

Academic Year : 2023-24

Semester : III

Year	2nd year B.Des (Product & Furniture)
Subject Name	Elements of Form I
Subject Code	PD- 163468, FD- 163536
Teaching Methodology Adopted	Participatory
Name of the Faculty	Prof. Priyansi Tambat
Objective	<ol style="list-style-type: none"><li>1. Understanding Form Transformation through Form Manipulation</li><li>2. To introduce the students to three-dimensional composition – transition from one shape to another.</li><li>3. To make students understand how the form changes in every section that leads to transformation</li></ol>
Date & Duration of Activity	13th, 14th & 15th October 2023 9:00 am to 6:00 pm
Venue	MVPS's Sharadchandraji Pawar College of Architecture, Nashik.
No of Students Present	22
Photograph/Video Available	Yes

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<b>Brief about the Program (Activity/Event)</b>	<p>Day 1: Introduction to the concept of form transformation through Axis manipulation. introduction to three-dimensional composition – transition from one shape to another.</p> <p>Day 2: Sketching the forms and understanding axis and its relationship</p> <p>Day 3 : Developing three dimensional forms. The students are expected to develop the dynamic from form 2 axes and 3 axes manipulation</p>
<b>Remarks</b>	<p>Workshop is well executed &amp; completed in a defined timeframe. The students developed an understanding of how forms change in every section that leads to transformation.</p>

  
Faculty in-charge



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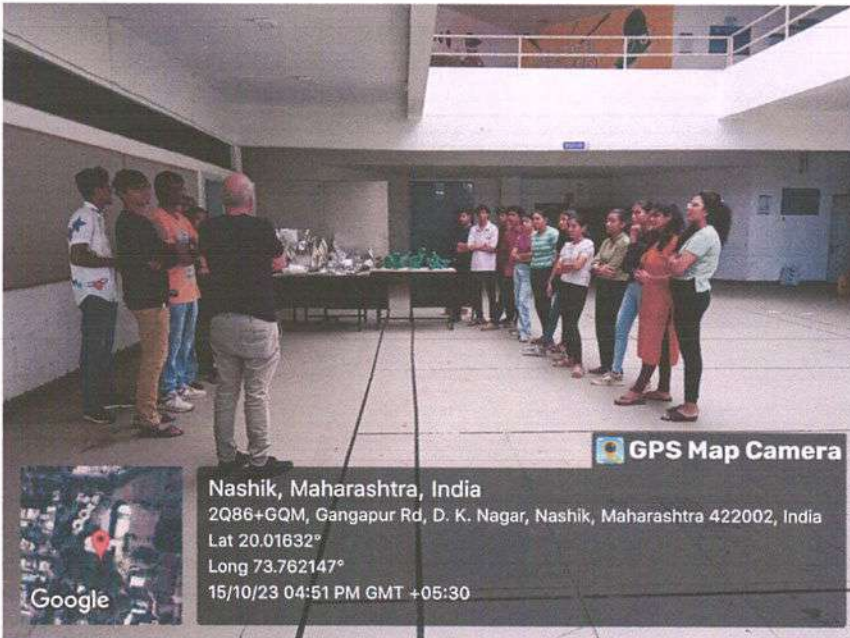
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Nashik, Maharashtra, India  
2Q86+GQM, Gangapur Rd, D. K. Nagar, Nashik, Maharashtra 422002, India  
Lat 20.016346°  
Long 73.762115°  
14/10/23 11:02 AM GMT +05:30

Google



Nashik, Maharashtra, India  
2Q86+GQM, Gangapur Rd, D. K. Nagar, Nashik, Maharashtra 422002, India  
Lat 20.01632°  
Long 73.762147°  
15/10/23 04:51 PM GMT +05:30

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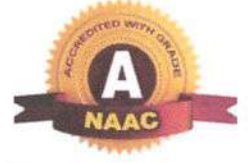




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# A Report on Hands on Workshop – Costume making using Newspaper

Academic Year: 2023-24

Semester: I

Year	First Year B. Design
Subject Name	Humanities
Subject Code	12023007
Teaching Methodology Adopted	Participatory
Name of the Faculty	Prof. Prajakta Wankar
Objective	To encourage first-year students to explore creative design processes by transforming everyday materials into wearable art, fostering innovation, sustainability awareness, and teamwork through the construction of unique newspaper-based costumes.
Date & Duration of Activity	29/11/2023, 06/12/2023, 13/12/2023 08:00am to 02:23 pm (6 hrs)
Venue	Studio & Lecture Hall 2
No of Students Present	First Year – 36
Photograph/Video Available	Yes

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<b>Brief about the Program (Activity/Event)</b>	<p>To encourage first-year students to explore creative design processes by transforming everyday materials into wearable art, fostering innovation, sustainability awareness, and teamwork through the construction of unique newspaper-based costumes.</p> <p>This assignment challenges students to creatively repurpose newspapers—a readily available and unconventional material—into functional and visually appealing costumes. By working with limitations such as material fragility and structural integrity, students will develop problem-solving skills and gain insight into material manipulation techniques. Additionally, the task promotes environmental consciousness by emphasizing upcycling, encouraging students to consider sustainability in their design practices. The hands-on nature of the assignment also enhances collaboration, teamwork, and time management skills, preparing students for real-world design challenges.</p>
<b>Remarks</b>	Event is well executed & completed in defined timeframe.

  
Faculty in-charge

  
Approved by  
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### Students Work:



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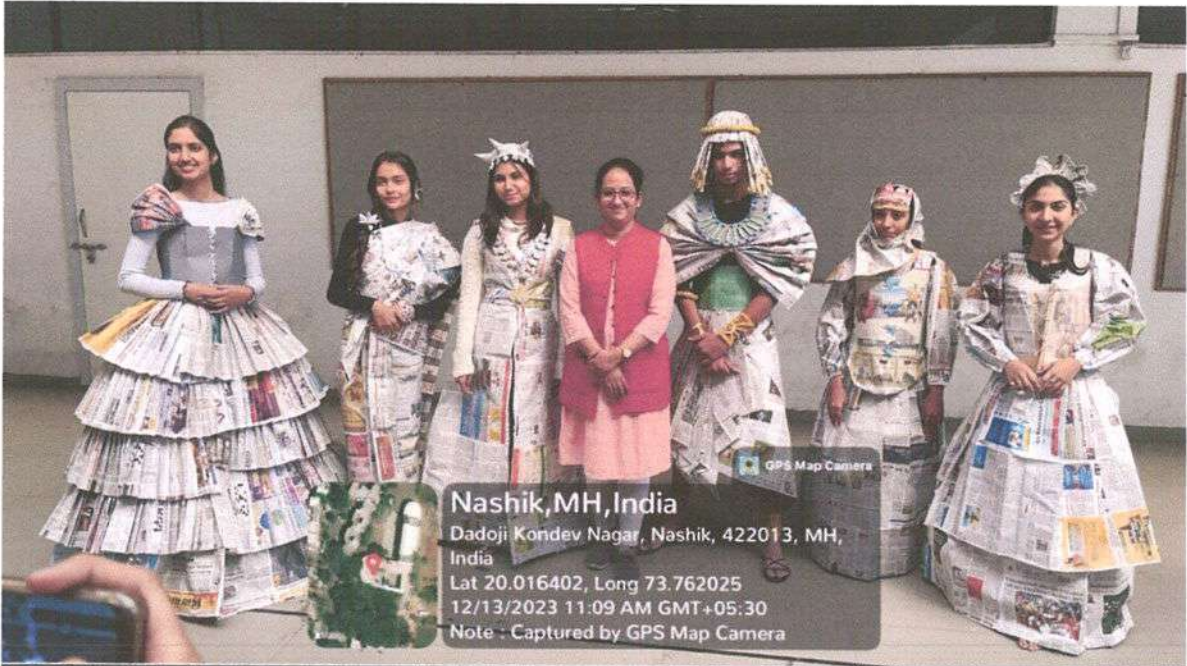




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### Workshop on 'Colours' in Design

Academic Year : 2023-24

Semester : VII

Year	Second Year B. Des.
Subject Name	Elements of Form II
Subject Code	163502
Teaching Methodology Adopted	Participatory
Name of the Faculty	Prof. Natasha P. Parsai
Resource Person	Ms. Sailli Sonar
Objective	To make students learn and experience the importance of Colour in Interior Design.
Date & Duration of Activity	Date :14/03/2024 to 16/03/2024 Duration : 9:00am to 4:00pm
Venue	MVPS's SP College of Architecture
No of Students Present	12
Photograph/Video Available	Yes

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<b>Brief about the Program (Activity)</b>	<p>The Workshop under the subject of Elements of Form II exposed students towards the vast realm of Colours in Design. The interactive session exposed them towards use of Colours in different fields from Art to Cinema and Design. The cultural connotations of Colours across the globe were discussed.</p> <p>Various exercises exposed the students towards richness and expression using colours.</p> <p>Different experiments made them learn the colour interaction, colour and Light (both natural and artificial). A Spot exhibition was also displayed in College to show all the work done under this Workshop. The students and Faculty from various departments visited and interacted with the participatory students on their workshop exercises and learning.</p>
<b>Remarks</b>	<p>Colours are an integral part of any Design, and through the experiments, students got a lot of clarity on scale of colour, combinations, impact of light and textures.</p>

Faculty in-charge  
Prof. Natasha P. Parsai

Approved by  
(ADC)





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Lecture by the Guest speaker



Students working on the exercise in Studio



Students exploring the interaction of Light and colours



Feedback session

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Feedback session



Students displaying their work in Spot Exhibition



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### Hands on workshop to understand a FRP as material and to explore it's use in SET Design.

Academic Year: 2023-24

Semester: VI

<b>Year</b>	Third Year B.Des (Set design)
<b>Subject Name</b>	ELECTIVES
<b>Subject Code</b>	SD173612
<b>Teaching Methodology Adopted</b>	Experiential learning
<b>Name of the Faculty</b>	Prof. Shubham Aher
<b>Objective</b>	To understand FRP as material, it's working techniques, advantages and disadvantages as material by handling it. Explore the possibilities to use in Set design. Students to learn collectively by doing group activity.
<b>Date &amp; Duration of Activity</b>	3/4/2024 to 5/4/2024
<b>Venue</b>	Workshop of MVPS's S.P. College of Architecture, Nashik
<b>No of Students Present</b>	05 Nos.
<b>Photograph/Video Available</b>	Yes (Without GPS)

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<b>Brief about the Program (Activity/Event)</b>	<p>Day 1: Students were introduced FRP material tools and machineries. They started the material handling by Marking and Mixing for Set Prop (Exhibition Stalls) as per the working drawings to create the selected design object</p> <p>Day 2: Students started working on various components of the selected object.</p> <p>Day 4: Remaining assembly work is completed in first half and the object was finished by the end of the day.</p>
<b>Remarks</b>	Students learn to handle FRP as material. They understood the strength and weaknesses of this material. Four groups created Set Prop objects.

### Schedule

DAY	DATE	TIME	CONTENT
DAY-1	03/04/24	9AM - 4PM	Introduction FRP Material, tools, handling methods
DAY-2	04/04/24	9AM - 4PM	Making Components
DAY-3	05/04/24	9AM - 4PM	Finishing , Concluding of the workshop

  
**Faculty in-charge**



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### Hands on workshop to understand bamboo as sustainable material and to explore it's use in interior, product & furniture design.

Academic Year: 2023-24

Semester: VI

Year	Third Year B.Des (ID/PD/FD)
Subject Name	Departmental Elective
Subject Code	ID173592, PD173573, FD 173628
Teaching Methodology Adopted	Participative learning
Name of the Faculty	Prof. Smita Kasarpatil & Prof. Priyanka Kale
Objective	To understand bamboo as Sustainable material, it's working techniques, advantages and disadvantages as material by handling it. Explore the possibilities to use in interior, product & furniture design field in <b>green design</b> solutions. Students to learn collectively by doing group activity.
Date & Duration of Activity	3/4/2024 to 6/4/2024
Venue	Workshop of MVPS's S.P. College of Architecture, Nashik Bamboo workshop of MVPS's I.T.I. College, Nashik
No of Students Present	38 Nos.
Photograph/Video Available	Yes

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<b>Brief about the Program (Activity/Event)</b>	<p>Day 1: Students were introduced Bamboo material tools and machineries. They started the material handling by Marking and cutting for framing members as per the working drawings to create the selected design object</p> <p>Day 2: Students started working on various components of the selected object.</p> <p>Day 3: students measured the component sizes and reworked on minute changes. They assembled the selected object.</p> <p>Day 4: Remining assembly work is completed in first half and the object was finished by the end of the day.</p>
<b>Remarks</b>	<p>Students learn to handle bamboo as material. They understood the strength and weaknesses of this material. Four groups created shelf, partition, bookshelf and center table using various forms of bamboo.</p>

### Schedule

DAY	DATE	TIME	CONTENT
DAY 1	3-4-2024 Wednesday	9am-11am	Introduction: Bamboo material tools and machineries
		11.30am- 4pm	Material cutting and framing
DAY 2	4-4-2024 Thursday	8am-1pm	Visit - Date Bamboo Nursery
		1.30am- 4pm	Making component/parts
Day 3	5-4-2024 Friday	9am-11am	Introduction to Joineries, fixing, etc
		11.30am-4pm	Assembling of the product/furniture/installation
Day 4	6-4-2024 Saturday	9am-12pm	Finishing
		1pm-3pm	Concluding of the workshop

  
Faculty in-charge

  
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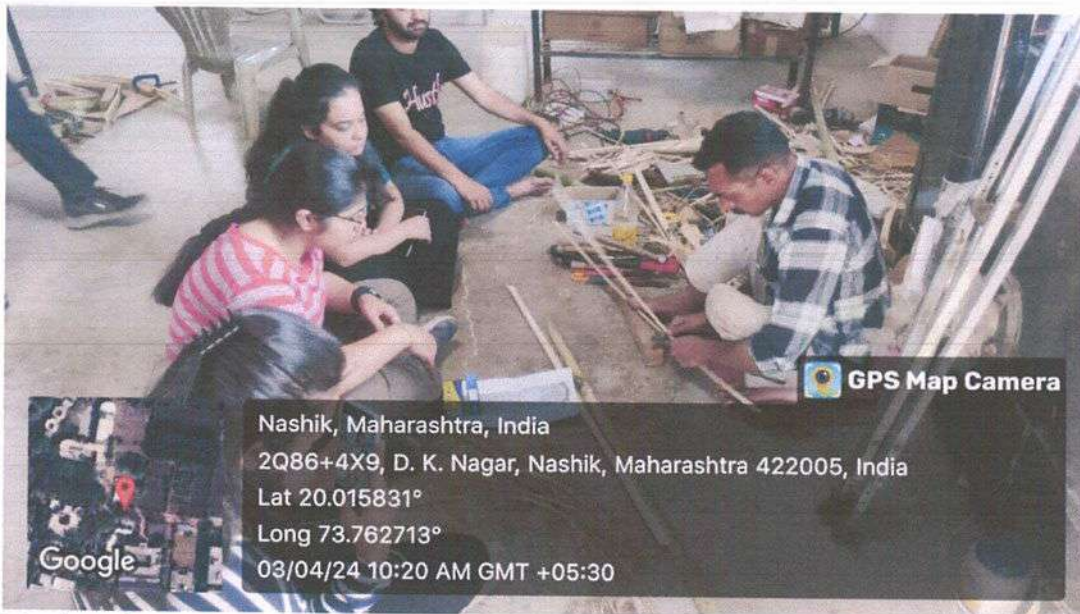
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GPS Map Camera  
Lat 20.015936, Long 73.762581  
04/03/2024 09:57 AM GMT+05:30  
Note : Captured by GPS Map Camera



GPS Map Camera  
Nashik, Maharashtra, India  
2Q86+4X9, D. K. Nagar, Nashik, Maharashtra 422005, India  
Lat 20.015831°  
Long 73.762713°  
03/04/24 10:20 AM GMT +05:30  
Google

Understanding the Manufacturing Process

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Nashik, MH, India  
Dadoji Kondev Nagar, Nashik, 422013, MH, India  
Lat 20.015815, Long 73.762464  
04/05/2024 03:08 PM GMT+05:30  
Note : Captured by GPS Map Camera



Nashik, MH, India  
Dadoji Kondev Nagar, Nashik, 422013, MH, India  
Lat 20.015802, Long 73.762646  
04/05/2024 03:10 PM GMT+05:30  
Note : Captured by GPS Map Camera



Nashik, Maharashtra, India  
2Q86+JW3, D. K. Nagar, Nashik, Maharashtra 422005, India  
Lat 20.016427°  
Long 73.76237°  
03/04/24 03:16 PM GMT +05:30

Google

Hands on manufacturing of the designed work.

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Final output of the elective

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