

FACULTY OF DESIGN

5days Executive
Development Program
on

'Bamboo Renaissance: Modern Design Meets Sustainability'

Venue: Online platform

Time: 9:30 AM-12.00 PM (First day)

2:30 PM-4.00 PM (2nd to 5th day)

^{18th} September- ^{22nd} September 2023



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1. Introduction of the Executive development Program:

On World Bamboo Day, the Faculty of Design at Manipal University Jaipur organized a 5-day Executive Development Program titled "Bamboo Renaissance: Modern Design Meets Sustainability" in collaboration with their industrial partner, KONBAC, and the Indian Bamboo Forum, in association with the IGBC Student Chapter, MUJ, and MUJ-TEC. The program was conducted in virtual mode from September 18th to September 22nd, 2023.

2. Objectives of the Seminar:

- Understanding the various application of Bamboo in Exterior and interior spaces.
- To create awareness about bamboo in different regions.
- To understand its production and preservation technique techniques.

3. Beneficiaries of the Event:

- UG Students (Architecture, Design and Construction related Fields)
- PG Students (Architecture, Design and Construction related Fields)
- Research Scholars
- Academicians, Practitioners, and Industry Professionals in the fields of Architecture, Design, Civil, and Structural Engineering.

4. Details of the Speakers:

- a) Dr. Jagdish Vengala, Head of EDC & Associate Professor at PVPSIT Vijayawada. Dr. Jagdish Vengala presented various components of bamboo and explained its diverse strength and elastic properties. He also discussed the various IS codes applicable in India for bamboo construction.
- b) Prof. Sankalp, an associate professor from CEPT UNIVERSITY. Prof. Sankalp presented various construction techniques related to Bamboo construction, demonstrating proposals from different parts of the world. He elucidated innovative joinery details pertinent to bamboo construction.
- c) Prof. Charruchandra K. faculty member at CTARA, IIT Mumbai, discussed various species of bamboo and highlighted their unique thermal, bending, tensile, and compressive strength properties. He also showcased the application of innovative joinery details using Bomcrete (HIB) technology in arch construction. In addition, Prof. Charruchandra K. presented models of bamboo structures subjected to different loads, demonstrating their strength and durability.
- d) Mr. Sanjeev Shashikant Karpe is a qualified Electrical Engineer has been associated with bamboo Industry for last eighteen years and has pioneered the work in setting up of self-sustainable bamboo-based enterprise in rural India. He is a Founder and Director with Konkan Bamboo & Cane Development Centre (KONBAC), an organization working for sustainable development through use of bamboo as a resource & implementing various bamboo projects successfully for last 17 years. Mr. Sanjeev Karpe explained bamboo construction in India and worldwide. He stated that bamboo has strong potential to grow in degraded land, requires less water compared to sugarcane, and consumes less embodied energy compared to conventional materials. In the global context, countries such as Colombia and Vietnam have



embarked on large-scale bamboo projects, whereas in India, despite being the world's second-largest bamboo producer, its full potential remains largely untapped. In addition, Ar. Sanjeev Karpe presented models of bamboo structures subjected to different loads, demonstrating their strength and durability. Various experiments related to straightening of bamboo and bending it to achieve the required form were also demonstrated.

e) Mr. Amitava Sil, a Scientist at IWST (Indian Wood Science and Technology), Kolkata, renowned for his extensive knowledge and experience in the preservation treatment of bamboo species. Mr. Amitava Sil provided insights into preservative treatments and fire retardancy in structural bamboo. He elucidated various treatment methods and processes, highlighting their associated benefits. Furthermore, he offered a demonstration of bamboo's structural frame by showcasing its inherent structural properties.

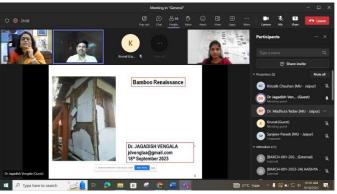
5. Brief Description of the event:

In the context of a Global Environmental crisis, coupled with economic and health challenges, the time has come for radical cultural awareness, politicians. architects, engineers, developers, and construction companies have an enormous responsibility as the construction industry and processes have an enormous negative impact on the environment. Bamboo is a key natural resource and, together with conscious design, draws a new direction for Contemporary Architecture. The Executive Development Program "Bamboo Renaissance: Modern Design Meets Sustainability is a comprehensive initiative designed to explore the dynamic intersection of modern design principles and sustainable practices within the realm of bamboo. This program is carefully curated to provide Industry Professionals, Academicians, and Researchers with the knowledge and tools needed to harness bamboo's immense potential as an ecofriendly resource in contemporary design and construction. The EDP 2023 will be a great opportunity to facilitate networking with industry experts and peers, enabling participants to exchange ideas, collaborate on projects, and stay updated on emerging trends and innovations in sustainable design.

Images 6.



1.Inaugural Address by Prof. (Dr.) Madhura Yadav, Dean, FoD 2. . First day expert lecture by Prof. (Dr.) Jagdish Vegala





3. . Second day expert lecture by Prof. (Dr.) Sankalp



5. . Fourth day expert lecture by Mr. Sanjeev Karpe



4. . Third day expert lecture by Prof. (Dr.) Charuchandra



6. . Fifth day expert lecture by Mr. Amitava Sil



7. . Valedictory session by Mr. Anand Mishra and Mr. Dhirendra Madan

7.Brochure of the event:





FACULTY OF DESIGN

in association with

IGBC Student Chapter, MUJ in collaboration with

& MUJ TEC

KONBAC Community, First



EXECUTIVE DEVELOPMENT

PROGRAM -2023 (Virtual Mode)

September 18th: 9:30am to 11 am & September 19th to 22nd, 2023; 2:30pm to 4:00 pm

BAMBOO RENAISSANCE: Modern Design meets Sustainability







ABOUT FACULTY OF DESIGN

The Faculty of Design aims to nurture it as one of its core strengths, with the mission to become the most preferred global destination in design education and research for students, researchers, faculty, callaborators, promoters, investors, and developers. Over time, the Faculty has groun into two Schools: The School of Architecture and Design, 5 the School of Design & Art & and many intellectual capital within the Faculty. At present Faculty of Design is offering UG, PG, and Doctoral programs in Architecture, Interior Design, Fine Art, Fashion Design and UXID.

IGBC STUDENT CHAPTER

IGBC Student Chapter Manipal University Jaipur was constituted by the Faculty of Design. IGBC student chapter aims to explore the role of the green building concept in the built and unbuilt environment. The chapter organized various interactive sessions and workshops by experts.

KONBAC BAMBOO PRODUCTS PRIVATE LIMITED

KONBAC BAMBOO PRODUCTS PRIVATE LIMITED is classified as a non-government company and it is registered and located in MUMBAL KONBAC provides training, at a national and global level, in Bamboo cultivation, harvesting, and primary and secondary processing Manufacture of interior & and lifestyle accessories Manufacture of home and office furniture Construction of cottages, resorts, and buildings.

ABOUT EXECUTIVE DEVELOPMENT PROGRAMME

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The Executive Development Program 'Bamboo Renaissance: Modern Design Meets Sustainability' is a comprehensive initiative designed to explore the dynamic intersection of modern design principles and sustainable practices within the realm of bamboo. This program is carefully curated to provide Industry Professionals, Academicians, and Researchers with the knowledge and tools needed to harness bamboo's immense potential as an eco-friendly resource in contemporary design and construction.

The EDP 2023 will be a great opportunity to facilitate networking with industry experts and peers, enabling participants to exchange ideas, collaborate on projects, and stay updated on emerging trends and innovations in sustainable design.

WHO CAN PARTICIPATE

Students, Research Scholars, Academicians, and
Practitioners in the field of Architecture, Design, Civil, and
Structural Engineering.



CHIEF GUEST



GUEST OF HONOUR





CHIEF PATRON MR. S. VAITHEESWARAN Chairperson, Manipal University Jaipur



Dr. G K PRABHU President, Manipal University Jaipur



Dr. THAMMAIAH CS Pro-President, Manipal University Jaipur





REGISTRATION FEE

Dr. MADHURA YADAV Dean FOD, Manipal University Jaip



ORGANISING SECRETARIES



INR 500 - For Research Scholars & Internal Participants
INR 200 - For Research Scholars & Internal Participants
Certificate will be given to all par

Ar. KINZALK CHAUHAN



NOTE

MANIPAL UNIVERSITY



EXECUTIVE DEVELOPMENT PROGRAM -2023 (Virtual Mode)



BAMBOO RENAISSANCE: Modern Design meets Sustainability

in association with



in collaboration with IBF



























8 .Schedule of the event

S.No.	Description	Time
1	Welcome Address by Prof. (Dr.) Madhura Yadav, Director, SA&D, Manipal University Jaipur	9.30 AM
2	Inaugural Address by Hon'ble Mr. Suresh Prabhu, Member of Parliament, India's Sherpa to G7 & G20	9.35 AM
3	Address by Prof. (Dr.) Anuradha Chatterjee, Dean, FoD, Manipal University Jaipur	9.45 AM
4	Address by Mr. Sanjeev Karpe, Director, KONBAC Maharashtra	9.55 AM
5	Presidential Address by Prof. (Dr.) G. K. Prabhu, President, Manipal University Jaipur	10.10 AM
6	Vote of Thanks by Prof. Kinzalk chauhan, SA&D, Manipal University Jaipur	10.20 AM
7.	Fist day Expert Lecture by Dr. Jagdish Vengela	10.30 AM

9. Attendance of the Event:

No	Full Name	Timestamp
1	Sanjeev Pareek [MU - Jaipur]	22/9/23, 3:53:32 pri
2	Guest	22/9/23 3-54-07 pm
3	Guest	22/9/23, 5:54:32 pm
4	Archish Bahl	22/9/23, 4:00:51 pm
5	Archish Bahl	22/9/23, 4:04:18 pm
6	Archish Bahl	22/9/23, 4:11:51 pm
7	Archish Bahl	22/9/23, 5:53:53 pr
8	Nikhitha Naresh Moily (B.Des - ID - 2020)	22/9/23, 4:00:54 pr
9	Nikhitha Naresh Molly (B. Des - ID - 2020)	22/9/23, 4:00:34 pn 22/9/23, 4:01:23 pn
10		22/9/23, 4:44:28 pn
11	Nikhitha Naresh Moily [8.Des - ID - 2020]	22/9/23, 4:44:28 pn 22/9/23, 4:02:27 pn
12	Dr. Ashutosh Saini [MU - Jaipur] Guest	
		22/9/23, 4:04:52 pm
13	Guest	22/9/23, 5:04:44 pr
14	Guest	22/9/23, 5:05:01 pn
15	Guest	22/9/23, 5:27:38 pr
16	Guest	22/9/23, 5:27:53 pr
17	Guest	22/9/23, 5:53:49 pm
18	Guest	22/9/23, 4:05:19 pm
19	Guest	22/9/23, 4:49:13 pri
20	Guest	22/9/23, 4:49:16 pm
21	Guest	22/9/23, 5:02:02 pm
22	Guest	22/9/23, 5:02:05 pm
23	Guest	22/9/23, 5:50:05 pm
24	Anjali Adhikari (B ARCH - 2021)	22/9/23, 3:50:05 pn 22/9/23, 4:08:47 pn
25	Anjali Adhikari [B ARCH - 2021]	22/9/23, 4:08:47 pn 22/9/23, 4:10:48 on
26	Anjali Adhikari IB ARCH - 2021	22/9/23, 4:10:46 pr 22/9/23, 4:50:38 or
26		
27	Anjali Adhikari [B ARCH - 2021]	22/9/23, 5:41:03 pr
28	Anjali Adhikari [B ARCH - 2021]	22/9/23, 5:41:07 pm
29	Anjali Adhikari [B ARCH - 2021]	22/9/23, 5:53:53 pri
30	Guest	22/9/23, 4:11:20 pr
31	Guest	22/9/23, 5:53:49 pri
32	Guest	22/9/23, 4:13:26 pm
33	Guest	22/9/23, 4:55:11 on
34	Guest	22/9/23, 4:55:23 pm
35	Guest	22/9/23, 5:24:41 pn
36	Digvijay Singh Panwar (B.Arch - 2022)	22/9/23, 4:14:24 pr
37	Digvijay Singh Panwar (B.Arch - 2022)	22/9/23, 5:54:03 pm
38	Ananya Tandon (B.Arch - 2022)	22/9/23, 4:14:54 pm
30	Ananya Tandon (B.Arch - 2022)	22/9/23, 4:21:25 pr
40	Ananya Tandon (B.Arch - 2022) Ananya Tandon (B.Arch - 2022)	22/9/23, 4:21:47 pr
40	Ananya Tandon (B.Arch - 2022) Ananya Tandon (B.Arch - 2022)	22/9/23, 4:21:4/ pri 22/9/23, 5:31:24 pri
42	Ananya randon (o.arch - 2022)	144/9/43, 5:31:24 pr
12	Dr. Madhura Yadav [MU - Jaipur]	22/9/23, 4:15:24 pr
	Dr. Madhura Yadav [MU - Jaipur]	22/9/23, 5:53:44 pr
4	Guest	22/9/23, 4:15:56 pr
45	Guest	22/9/23, 5:53:58 pn
46	Vanshika Sharma [B.Arch - 2022]	22/9/23, 4:17:00 pm
17	Vanshika Sharma (B.Arch - 2022)	22/9/23, 4:31:11 pr
IS	Vanshika Sharma [B.Arch - 2022]	22/9/23, 4:32:39 pr
49	Vanshika Sharma (B. Arch - 2022)	22/9/23. 5:53:54 pm
50	Guest	22/9/23, 4:19:15 on
51	Guest	22/9/23, 5:53:46 pm
52	Kinzalk Chauhan [MU - Jaipur]	22/9/23 4:20:11 on
53	Kinzalk Chauhan [MU - Jaipur]	22/9/23, 4:20:11 pn 22/9/23, 5:53:49 pn
54	Kinzaix Chaunan (MU - Jaipur)	22/9/23, 5:53:49 pr 22/9/23, 4:21:10 pr
55	Guest	22/9/23, 4:21:10 pn 22/9/23 4:22:13 pn
56	Guest	22/9/23, 4:22:16 pr
57	Guest	22/9/23, 4:34:10 pm
5.0	Guest	22/9/23 4-34-12 no



118	Guest	122/9/23, 4:46:41 pm
119	Guest	22/9/23, 5:40:51 pm
120	Guest	22/9/23. 5:40:56 pm
121	Guest	22/9/23, 5:49:49 pm
122	Pooia (Guest)	22/9/23, 4:47:12 pm
123	Poois (Guest)	22/9/23 5:37:19 pm
124	Pooja (Guest)	22/9/23, 5:43:22 pm
125	Aashima Mathur IB-ARCH - 20191	22/9/23, 4:47:19 pm
126	Aashima Mathur (B-ARCH - 2019)	22/9/23.5:08:14 pm
127	Aashima Mathur (B-ARCH - 2019)	22/9/23, 5:08:32 pm
128	Mansi [B.Arch - 2020] (Guest)	22/9/23, 4:47:26 pm
129	Mansi [B.Arch - 2020] (Guest)	22/9/23, 5:53:49 pm
130	Guest	22/9/23, 4:51:12 pm
131	Guest	22/9/23, 5:43:30 pm
132	Bhavesh Khemka (B ARCH - 2021)	22/9/23, 4:51:41 pm
133	Kartik Gehlot [B ARCH - 2021]	22/9/23, 4:51:56 pm
134	Vaishnavi Shukia (B Arch - 2021)	22/9/23, 4:52:02 pm
135	Vaishnavi Shukla (B Arch - 2021)	22/9/23, 5:35:09 pm
136	abhileet vaday (Guest)	22/9/23, 4:52:08 pm
137	Guest	22/9/23, 4:52:10 pm
138	Guest	22/9/23, 5:43:28 pm
139	Pranat Kothari (B. Arch - 2022)	22/9/23, 4:52:35 pm
140	Pranat Kothari (B.Arch - 2022)	22/9/23, 4:52:33 pm
141	Pranat Kothari (B.Arch - 2022)	22/9/23, 4:56:02 pm
142	Pranat Kothari (B.Arch - 2022)	22/9/23, 4:36:02 pm 22/9/23, 5:11:31 pm
143	IBARCH-001-2023-241 TANMAY GUPTA	22/9/23, 4:52:38 pm
144	Guest	22/9/23, 4:52:49 pm
144	Guest	22/9/23, 4:52:49 pm 22/9/23, 5:04:16 pm
146		22/9/23, 3:04:16 pm 22/9/23, 4:53:06 pm
146	Vanshika Chandel [B-ARCH - 2019]	
148	Vanshika Chandel [B-ARCH - 2019]	22/9/23, 5:25:50 pm 22/9/23, 4:53:23 pm
140	Neha Saxena [MU - Jaipur] Neha Saxena [MU - Jaipur]	22/9/23, 5:32:57 pm
150	Neha Saxena [MU - Jaipur] Guest	22/9/23, 5:32:57 pm 22/9/23, 4:53:30 pm
151	Guest	22/9/23, 4:53:30 pm 22/9/23, 4:54:18 pm
152	Guest	
153	Guest	22/9/23, 4:54:23 pm 22/9/23, 5:46:48 pm
154		
155	Sajal Panwar [B. Arch - 2022]	22/9/23, 4:54:10 pm
156	Sajal Panwar (B.Arch - 2022) Sajal Panwar (B.Arch - 2022)	22/9/23, 4:54:19 pm 22/9/23, 4:54:37 pm
157	Sajal Panwar [B. Arch - 2022]	22/9/23, 5:13:19 pm
158	Sajal Panwar (B.Arch - 2022) Sajal Panwar (B.Arch - 2022)	22/9/23, 5:13:45 pm
		22/9/23, 5:13:58 pm
160	Sajal Panwar [B.Arch - 2022]	22/9/23, 5:14:12 pm
	Sajal Panwar [B.Arch - 2022]	22/9/23, 5:51:42 pm
162	Khushi Vipulkumar Chaudhari [B ARCH - 2021]	22/9/23, 4:55:09 pm
163	Khushi Vipulkumar Chaudhari [B ARCH - 2021]	22/9/23, 5:41:36 pm
164	Aishwarya Singh Rathore [B Arch - 2021]	22/9/23, 4:55:12 pm
165	Aishmeen Kaur [B ARCH - 2021]	22/9/23, 4:55:32 pm
166	Aishmeen Kaur [8 ARCH - 2021]	22/9/23, 5:15:44 pm
167	Naveen Sharma	22/9/23, 4:58:59 pm
168	Guest	22/9/23, 4:59:12 pm
169	Guest	22/9/23, 5:25:53 pm
170	Guest	22/9/23, 5:03:45 pm
171	Guest	22/9/23, 5:26:59 pm
172	Harsh Shrivastav [B.Arch - 2021]	22/9/23, 5:05:52 pm
173	Harsh Shrivastav [B. Arch - 2021]	22/9/23, 5:46:09 pm
174	Arghya B S Bhagwat [B.Arch - 2022]	22/9/23, 5:07:24 pm
175	Aarya Chandiramani [B.Arch - 2022]	22/9/23, 5:08:13 pm
176	Aarya Chandiramani [B.Arch - 2022]	22/9/23, 5:28:01 pm

10.Weblink:

11.Event Coordinators:

Ji.

• Ar. Sanjeev Pareek (Assistant Professor, SA&D)

Ar. Kinzalk Chauhan (Assistant Professor, SA&D)