



Offer Public Access to Green Spaces

Manipal University Jaipur's campus is distinguished by its vast lawns, tranguil gardens, and scenic vistas. These green areas not only enhance the academic environment but also serve as valuable community resources. The university features botanical gardens and distinctive plant collections, which are accessible to the public, fostering an appreciation for local flora and fauna. By inviting the community into these green spaces, Manipal University Jaipur encourages engagement and cultivates a sense of belonging and shared responsibility. The campus's public areas are venues for cultural events, outdoor concerts, and recreational activities, contributing to the cultural richness of the surrounding region. Maintaining public access necessitates investment in upkeep, security, and infrastructure, and the university allocates funds accordingly. Manipal University Jaipur effectively balances public access with the preservation of green spaces for its academic community, ensuring that both interests are addressed in a complementary manner. The university is committed to making these areas accessible to a wide range of individuals, including those with disabilities, thereby promoting inclusivity. Establishing and nurturing connections with the local community is vital for the success of its public access initiatives. The choice to open the university's green spaces to the public reflects a significant evolution in the institution's societal role, highlighting its dedication to community involvement, environmental responsibility, and the welfare of nearby neighborhoods.



Picture 1: participants from local community participated in the marathon







World Environment Day

In alignment with World Environment Day, Hon. President of MUJ, Dr. G. K. Prabh, emphasized the critical importance of environmental stewardship by initiating a bamboo plantation on campus. This act symbolizes a commitment to building a resilient, sustainable environment and reflects MUJ's dedication to expanding its green infrastructure. Bamboo, known for its rapid growth and eco-friendly properties, serves as an emblem of sustainability, supporting air purification, soil enrichment, and biodiversity. Through this initiative, Dr. Prabh and the MUJ community reaffirmed their pledge to environmental responsibility, setting a powerful example of how educational institutions can lead the way in sustainable development and inspire broader societal change.













Picture 2: Growing Green: Bamboo Planting Near MUJ for a Sustainable Future







Picture 1: Farming activities on MUJ (Manipal University Jaipur) by local farmers.



Picture 2: MUJ dedicated farmland form farming crops to the local farmers.









Post Event Report



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 5day 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 selfsustainable 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 secondlargest 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 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.





6. Images





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 & MUJ TEC Chapter, MUJ in collaboration with



IGRO

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 MANIPAL UNIVERSITY JAIPUR

ABOUT MANIPAL UNIVERSITY JAIPUR Manipal University Jaipur (MUJ) has redefined academic excellence in the region and inspires students of all disciplines to learn and innovate through hands-on practical experience. The multi-disciplinary university offers carer-oriented courses at all levels, i.e., UC, PG, and doctoral across all the streams like Engineering, Architecture, Planning, Eashion Design, Interior Design, Fine Arts, Hospitality, Humanities, Journalism, Basic Sciences, Law, Commerce, Computer Applications, Management, etc. The university has been granted the ATAL Incubation Centre, funded by Niti Aayog, Government of India. Ost.

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, collobarators, promoters, investors, and developers. Over time, the Faculty has grown into two Schools: The School of Architecture and Design, 5 the School of Design & Art 6 and many departments. The Faculty of Design is backed by excellent infrastructure; and 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 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 BAABOO FRODUCTS FRIVATE LIMITED KONBAC BAMBOO FRODUCTS FRIVATE LIMITED 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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WHO CAN PARTICIPATE

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



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

n of EDP, an E-



EDP ON Bamboo Renaissance





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:



10.Weblink:

https://jaipur.manipal.edu/content/dam/manipal/muj/fod/Document/eventlist/EDP%20ON%20Bamboo%20-Event%20report.pdf

11.Event Coordinators:

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