



Sandip Institute of Technology and Research Centre

An Autonomous Institute

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Department of Mechanical Engineering

Academic Year 2024-25

Report on One-week Online Faculty Development Program on “Role of Natural Fibers in Sustainable Development”

- 1. Event Title:** One-week Online Faculty Development Program on “Role of Natural fibers in Sustainable Development”
- 2. Event Date:** 02nd -07th December 2024
- 3. Event Conduction Duration:** 1-3 PM in between 2-7 December 2024, daily 2 Hour
- 4. Mode of Event:** Online (Google Meet)
- 5. Event Resource Person Details:**

Sr. No.	Name of Resource Person	Affiliation of Resource Person
i.	Dr. Anand Gaurav	Assistant Professor, Department of Mechanical Engineering, SRM University Sonipat, Haryana
ii.	Dr. Vipin Sharma	Associate Professor Department of Mechanical Engineering Medi-Caps University, Indore
iii.	Prof. Mohit Sharma	Principal Scientist Pilot Plant Lab, Chemical Technology Division, CSIR, Palampur
iv.	Dr. Rajesh Purohit	Professor, Mechanical Engineering Department, National Institute of Technology (NIT), Bhopal
v.	Dr. Ujendra Kumar Komal	Assistant Professor Mechanical Engineering Department, Indian Institute of Technology (IIT), Guwahati
vi.	Dr. Vijay Choudhary	Assistant Professor, Department of Mechanical Engineering, Amity University, Noida

6. Name of Event Coordinator: Dr. Yogesh Agrawal and Prof. Yogeshkumar Falak

7. Event Objectives & Outcomes

8. Objectives of Activity:

1. To explore the various applications of natural fibers in industries such as textiles, construction, packaging and composites.
2. To encourage faculty members to engage in research on new technologies and methodologies for the processing, utilization, and enhancement of natural fibers.

3. To equip participants with the knowledge and tools required to incorporate sustainable practices involving natural fibers into their teaching and professional work.
4. To analyze the dual benefits of using natural fibers: reducing carbon footprints and supporting rural economies by promoting natural fiber-based industries.
5. To provide a platform for participants to collaborate, share insights, and develop projects that advance the sustainable use of natural fibers.

9. Outcomes of Activity:

1. Participants will gain a comprehensive understanding of the significance of natural fibers in sustainable development, including their applications, benefits, and challenges.
2. Faculty members will be equipped to integrate topics related to natural fibers and sustainability into their teaching practices, promoting awareness among students.
3. Participants will be motivated to develop research proposals and undertake projects focusing on innovations in natural fiber usage, processing techniques, and sustainability
4. Improved technical and conceptual skills for evaluating and implementing sustainable practices involving natural fibers in various fields.
5. Establishment of connections between participants from diverse fields, fostering interdisciplinary collaborations for sustainable development projects

10. Event Details & Photos

The Online One Week Faculty Development Program event on the topic "Role of Natural fibres in Sustainable Development" was conducted on dated 02nd -07th December 2024. This event was attended by Researchers, Students, Academician and Industrialist Persons. The SITRC, Department of Mechanical Engineering in online platform organized the program. The program aimed to enhance the knowledge of faculty members on the significance of natural fibers in achieving sustainable development and equip them with innovative approaches for integrating this knowledge into their academic and research endeavors. This event was coordinated by Dr. Yogesh Agrawal, Associate Professor, and Prof. Yogeshkumar Falak, Assistant Professor at the Mechanical Engineering Department, under the guidance of Professor (Dr.) S.G. Ghalme, Head of the Mechanical Department. The Faculty development program included a series of sessions delivered by eminent experts from academia and research institutions. Participants expressed high levels of satisfaction with the program, particularly appreciating the diversity of topics and the expertise of the speakers. The FDP concluded with a commitment from the participants to promote the use of natural fibers in their respective fields, contributing to environmental conservation and sustainable development.

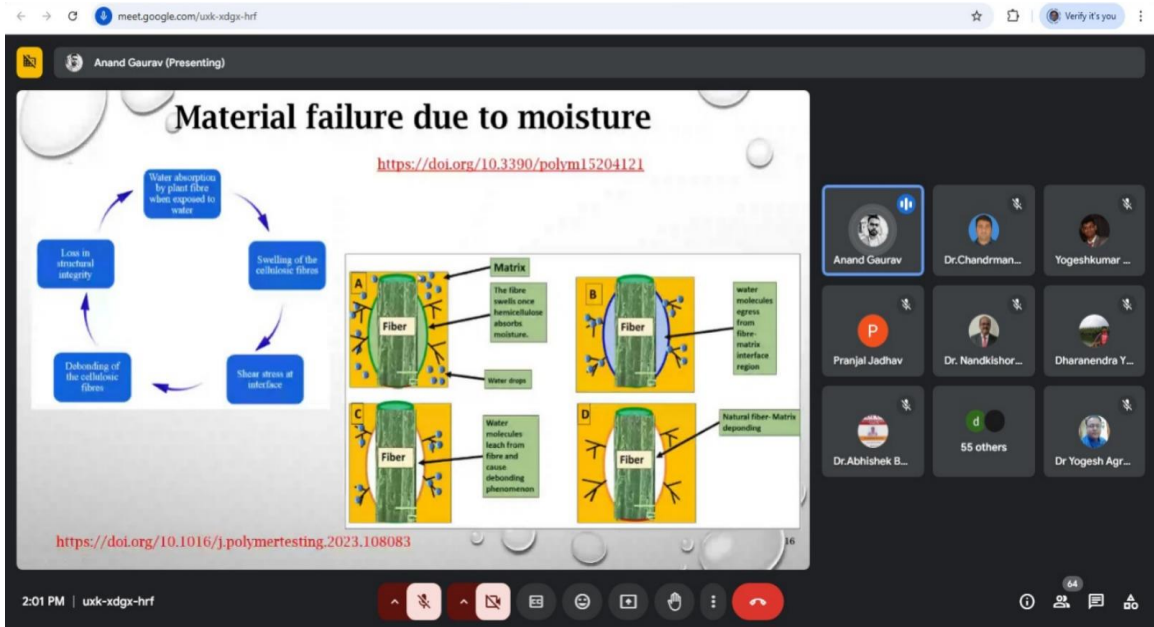


Photo: - Resource Person and Participants Photo during Expert Lecture

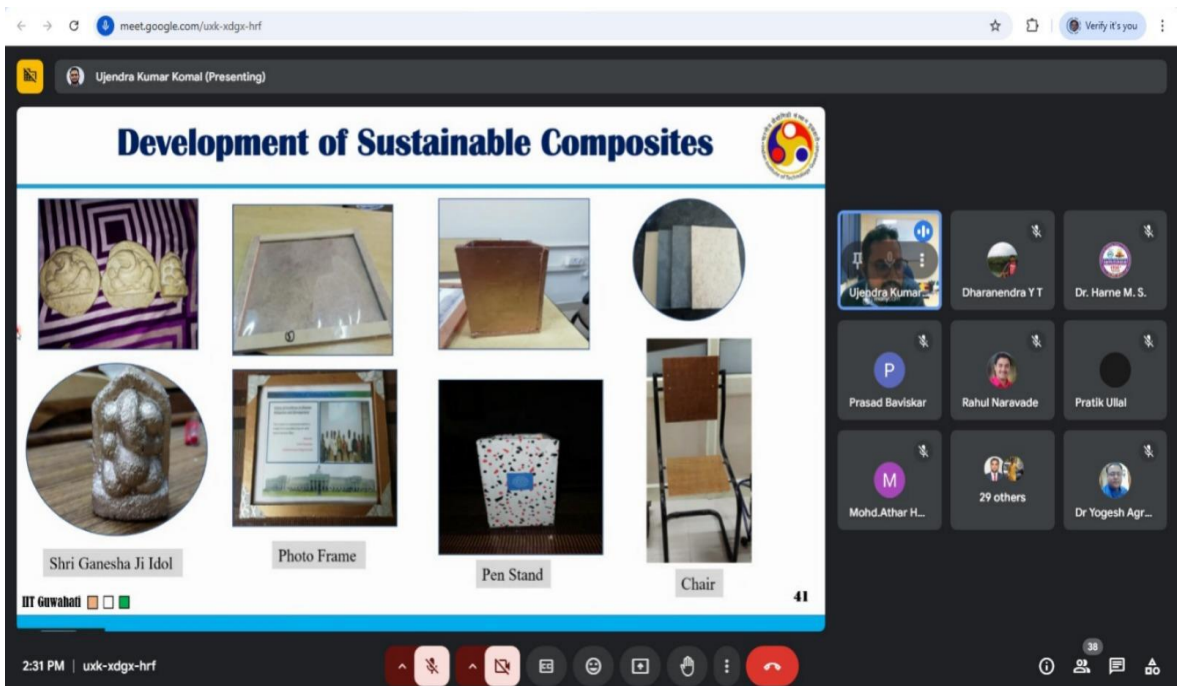


Photo: -Resource Person and Participants Photo during Expert Lecture

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Event Coordinator

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HOD



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