

Sandip Institute of Technology and Research Centre An Autonomous Institute

At & Po – Mahirawani, Trimbak Road, Tal & Dist .– Nashik

Phone: (02594) 222552,53,54, Fax: (02594) 222555

website : www.sandipfoundation.org, e-mail : principal@sitrc.org

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SANDIP
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Department of Mechanical Engineering Academic Year 2024-25

Report on “Design and development of smart materials based magnetic actuators”

- 1. Event Title:** "Expert Lecture on Design and development of smart materials based magnetic actuators"
- 2. Event Date:** 08th Oct 2024
- 3. Event Conduction Duration:** 01:00 PM to 02:00 PM
- 4. Event Venue:** Seminar Hall, Mechanical Engineering.
- 5. Event Resource Person Details:** Dr. Manish Kumar Thakur
Assistant Professor,
Department of Mechanical Engineering,
PDPM Indian Institute of Information technology Design and Manufacturing, Jabalpur, MP, India

6. Name of Event Coordinator: Dr. Ravi Kant Singh and Prof. Rajeev Kumar

7. Event Objectives & Outcomes

Objectives of Activity:

To provide insights into the design, properties, and applications of smart materials in developing magnetic actuators, bridging theoretical knowledge with practical applications.

Outcomes of Activity:

Participants understood the Understand smart materials and their role in magnetic actuators,

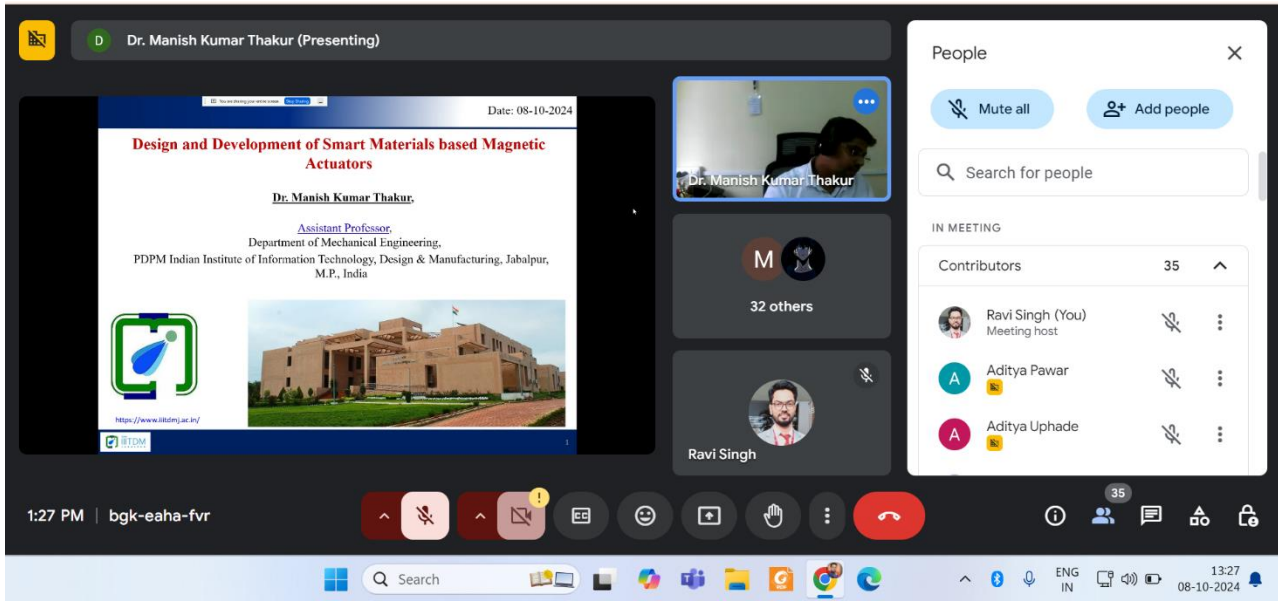
Explore real-world uses in robotics, medical devices, etc, Inspire research and problem-solving in actuator technologies.

8. Description of Event:

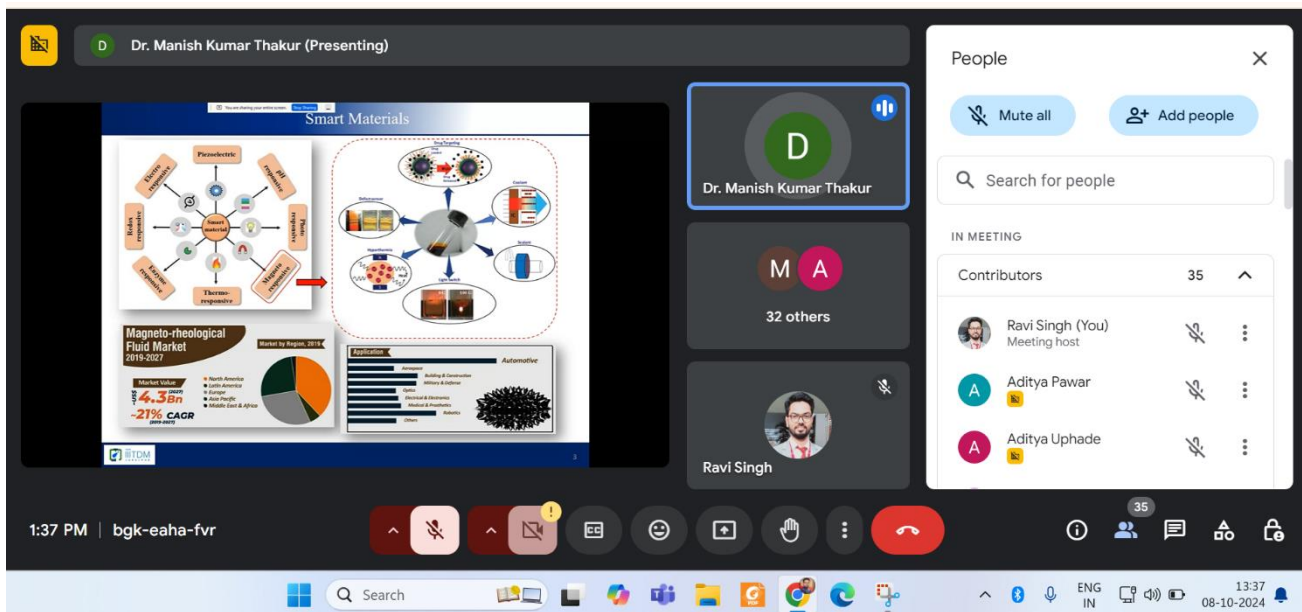
Mechanical Engineering Department, SITRC has organized an expert lecture for the students of Mechanical Engineering on 08th October 2024. The resource person was Dr. Manush Kumar Thakur, Assistant Professor at PDMP IIIT Jabalpur, India. The resource person briefed the Introduction of the design, properties, and applications of smart materials in developing magnetic actuators, bridging theoretical knowledge with practical applications. So, this lecture helped students to understand the design and application of magnetic actuators in day to day life. The vote of thanks was given by Dr. Ravi Kant Singh.

The event was attended by about 55 participants and students along with HoD Prof. (Dr.) Sachin G. Ghalme, and departmental faculty members.

Event Photos:



Dr. Manish Kumar Thakur (Resource Person) delivered his speech.



Ravi Rajeev Kumar

Dr. Ravi Kant Singh &
Prof. Rajeev Kumar
Event Coordinator

Sachin G. Ghalmé

Prof. (Dr.) Sachin G. Ghalmé
HOD, Mechanical Engineering Dept.

Amol D Potgantwar

Prof. (Dr.) Amol D Potgantwar
Principal, SITRC