# A Report on Industrial Visit to "Indian Institute of Information Technology, Design and Manufacturing, Chennai" Organized by Department of Computer Science & Engineering on 22.10.2026






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**Mode of Conduct : Offline**
**Report Received on 27.10.2026**

**Visit Details:**
**Venue :IIITDM Kancheepuram,** Melakottaiyur, Nellikuppam Road, Near Kandigai, Off Vandalur-Kelambakkam Road, Chennai – 600127, Tamil Nadu, India
**Attendees Count :** 48 students

**Objectives:**

1. To bridge the gap between classroom learning and practical research through exposure to advanced laboratories and emerging technologies.
2. To introduce students to modern research facilities, 3D printing, prototyping, UI/UX design, and digital learning technologies.
3. To help students understand practical applications, research methodologies, product development, and innovative design solutions.
4. To provide opportunities for interaction with experts and create awareness of internships, in-plant training, final-year projects, and research assistance.
5. To encourage students to develop technical skills and pursue research-oriented projects.

**Report Summary:**

The Department of Computer Science and Engineering organized an industrial visit to the Indian Institute of Information Technology, Design and Manufacturing (IIITDM), Kancheepuram, Chennai, on 22.10.2026. The visit aimed to provide students with practical exposure to advanced research facilities, modern technologies, and academic research opportunities. During the visit, students explored four modern research laboratories and gained insights into the research activities and technological facilities available at the institute. They visited the Prototyping Lab, MOOC Recording Studio, and UI/UX Design Lab, along with the Studio Laboratory. Students witnessed a demonstration of 3D printing technology and learned about its working principles, functionalities, and practical applications. The Prototyping Lab provided exposure to the process of developing and testing prototypes, while the MOOC Recording Studio introduced students to the facilities used for recording educational content and supporting digital learning.

The visit to the UI/UX Design Lab helped students understand user interface design, user experience principles, and the importance of creating effective and user-friendly digital applications. Students also gained awareness of networking concepts and learned about writing code in the networking domain.

Dr. Shubhankar Chakraborty served as the resource person and provided valuable insights into research activities, emerging technologies, and opportunities available for students. The interaction also introduced students to potential government and private-sector internships, in-plant training, final-year projects, and research assistance, subject to the respective programme guidelines and selection procedures.

## Technical Topics Covered:

- Modern research laboratories and research methodologies
- 3D Printing Technology and its practical applications
- Prototyping, product development, and prototype testing
- MOOC Recording Studio and digital educational content creation
- UI/UX Design Lab and user-centred interface development
- Mechatronics and technology-enabled systems
- Studio Laboratory facilities and design-related activities
- Research-oriented project development
- Government and private-sector internship opportunities
- In-plant training and final-year project opportunities

## Hands-on Learning and Technical Exposure

**1. Modern Research Laboratories:** Students visited modern research laboratories and gained an overview of the facilities, research activities, and technologies used for experimentation and innovation. The exposure helped them understand how research laboratories support practical learning and advanced technical investigations.

**2. 3D Printing Technology:** Students witnessed a demonstration of 3D printing and learned about its basic working principles, operational functionalities, and applications. The demonstration introduced students to additive manufacturing and its relevance to product design, prototyping, and technological innovation.

**3. Prototyping Lab:** Students were introduced to the Prototyping Lab and gained awareness of how preliminary models and prototypes are developed to test ideas and design concepts. The session highlighted the importance of prototyping in product development, experimentation, design validation, and innovation.

**4.MOOC Recording Studio:** Students visited the MOOC Recording Studio and learned about its role in recording and producing digital educational content for online learning platforms. The exposure helped them understand how studio facilities support the creation of instructional videos, online courses, and technology-enabled teaching and learning resources.

**5. UI/UX Design Lab:** The visit to the UI/UX Design Lab introduced students to the principles of user interface and user experience design. Students gained awareness of interface layout, usability, user-centred design, and the importance of developing accessible and user-friendly software applications.




*Figure: Hands-on demonstration of 3D Printing Technology and Demonstration of Internet of Things (IoT) Technologies and Applications.*



*Figure: Technical interaction on emerging technologies, prototype development, user-centred design*

## Outcome of the Event:

The industrial visit provided students with valuable exposure to modern research facilities and emerging technologies at IIITDM Kancheepuram. The laboratory visits, 3D printing demonstration, and technical interactions helped students connect their academic knowledge with practical applications.

Students gained awareness of prototyping and product development, digital educational content creation through the MOOC Recording Studio, and user-centred application development through the UI/UX Design Lab. Exposure to mechatronics, networking, and other research facilities broadened their understanding of interdisciplinary technologies and research practices.

An important outcome of the visit was the introduction to potential opportunities for MITS students in government and private-sector internships, in-plant training, final-year projects, and research assistance, subject to the institute's programme guidelines and selection procedures.

## Key Learning Outcomes:

The students gained the following learning outcomes:

- Acquired awareness of modern research laboratories and research activities.
- Understood the working principles and applications of 3D printing technology.
- Gained knowledge of prototyping and its role in product development and design validation.
- Learned about the role of the MOOC Recording Studio in digital educational content creation.
- Gained exposure to UI/UX design principles and user-centred application development.
- Understood the practical relevance of mechatronics and automation-related systems.
- Gained awareness of networking concepts and network programming.
- Interacted with the resource person and gained insights into research and technological developments.
- Became aware of potential government and private-sector internships, in-plant training, final-year projects, and research assistance.
- Recognized the importance of practical knowledge, innovation, problem-solving, and continuous learning.

## Internship and Project Opportunities

**During the Industrial Visit to IIITDM Kancheepuram, students were informed about the following opportunities:**

- Private-sector internships
- Government internships
- Final-year projects
- In-plant training
- Research projects and assistance

**Official Websites:**

- IIITDM Kancheepuram: https://www.iiitdm.ac.in/
- CSE Department: https://www.cse.iiitdm.ac.in/

## Opportunities for Faculty Members

**During the visit, we learned about various professional development opportunities available for faculty members, including:**

- National Education Policy (NEP) Programmes
- Short-Term Training Programmes (STTP)
- Faculty Development Programmes (FDP)
- Faculty Induction Programmes (FIP)

These programmes help faculty members improve their teaching skills, research knowledge, and technical expertise. Resource persons from India and abroad may participate in these programmes. Accommodation and food facilities may be provided to selected participants as per the programme guidelines. Faculty members are encouraged to visit the official websites for details about upcoming programmes, eligibility, and application procedures.

Official Website: https://www.iiitdm.ac.in/

## Conclusion:

The industrial visit to the Indian Institute of Information Technology, Design and Manufacturing (IIITDM), Kancheepuram, Chennai, on 22.10.2026 was a valuable learning experience for the students of the Department of Computer Science and Engineering, MITS. The visit provided exposure to modern research laboratories, 3D printing technology, the Prototyping Lab, MOOC Recording Studio, UI/UX Design Lab, Mechatronics Laboratory, Studio Laboratory, and Networking Laboratory. These visits helped students understand practical applications of emerging technologies, prototype development, digital learning, user-centred design, and network programming.

The technical demonstrations and interactions with the resource person helped students connect theoretical learning with practical experience. Information about potential internships, in-plant training, final-year projects, and research assistance further encouraged students to explore academic and professional development opportunities.

The Department of Computer Science and Engineering, MITS, sincerely appreciates IIITDM Kancheepuram and Dr. Shubhankar Chakraborty for providing valuable technical insights and an opportunity for academic and research exposure. The visit motivated students to pursue innovation, strengthen their technical skills, and explore research-oriented projects.




*Figure: Students and faculty members during the industrial visit.*