

A Report on Industrial Visit to
"Approtech R & D Solutions Private Limited, West Tambaram, Chennai"
Organized by Department of Computer Science & Engineering
on 01.10.2026



Figure : Hands-on learning session on 3D Printing Technologies. Figure : Hands-on learning session on 3D Printer

Report Submitted by: Mr. Ramalingam D, Assistant Professor, Department of Computer Science & Engineering

Faculties Accompanied: Mr. Ramalingam D and Ms. Gangarapu Vandana

Mode of Conduct: Offline

Attendees Count: 41 students

Report Received on 13.10.2026

Company Details:

Company Name: Approtech R & D Solutions Private Limited, 1st Floor, 41/14, Kamaraj Street, West Tambaram, Chennai, Kanchipuram District, Tamil Nadu – 600 045

Objectives:

1. To bridge the gap between classroom learning and industry practices through practical, hands-on exposure to current technologies.
2. To introduce students to MERN Full Stack Development, 3D Printing Technologies, Artificial Intelligence (AI), and Robotics through sessions conducted by company experts.
3. To help students understand the practical applications, development workflows, tools, and industry relevance of emerging technologies.
4. To interact with industry experts, clarify technical queries, and gain awareness of the skills required for projects, internships, and future career opportunities.

Report Summary:

The Department of Computer Science & Engineering organized an industrial visit to Approtech R & D Solutions Private Limited, West Tambaram, Chennai, on 01.10.2026. A total of 41 students participated in the visit, accompanied by Mr. Ramalingam D and Ms. Gangarapu Vandana.

The visit was conducted in offline mode and focused on providing students with hands-on training in contemporary technology areas. Company experts guided the students through sessions on MERN Full Stack Development, 3D Printing Technologies, Artificial Intelligence (AI), and Robotics.

The MERN Full Stack Development session introduced students to the technologies commonly used to build full-stack web applications. The sessions on 3D Printing, AI, and Robotics provided exposure to emerging technology concepts and their practical applications.

The hands-on learning activities and expert interactions helped students connect concepts from their Computer Science and Engineering curriculum with technology-oriented industrial practices. Students also had opportunities to clarify their doubts and gain insights into the importance of practical skills and continuous learning.

Technical Topics Covered:

- MERN Full Stack Development
- Web application development using the MERN technology stack
- 3D Printing Technologies and their practical applications
- Artificial Intelligence (AI) concepts and applications
- Robotics and technology-enabled systems
- Industry-oriented hands-on learning and technical skill development

Outcome of the Event:

The industrial visit provided 41 students with practical exposure to current technologies through hands-on training delivered by company experts. Students gained introductory practical learning in MERN Full Stack Development, 3D Printing Technologies, AI, and Robotics, broadening their understanding of technology applications beyond classroom instruction. The interaction with company experts helped students appreciate the importance of practical implementation, problem-solving, teamwork, and keeping pace with technological developments.



Figure: Technical - Interaction on 3D Printer

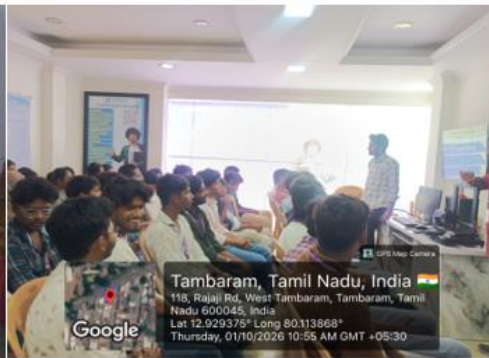


Figure: Hands-on learning session on MERN FSD

Key Learning Outcomes:

- Gained hands-on exposure to MERN Full Stack Development.
- Understood the role of full-stack technologies in developing web applications.
- Gained awareness of 3D Printing Technologies and their applications.
- Explored introductory concepts and applications of Artificial Intelligence.
- Developed awareness of Robotics and its technology applications.
- Interacted with company experts and gained industry-oriented technical insights.
- Recognized the importance of practical skills for academic projects, internships, and career development.

Conclusion:

The industrial visit to Approtech R & D Solutions Private Limited, West Tambaram, Chennai, on 01.10.2026 was a valuable learning experience for the 41 participating students of the Department of Computer Science & Engineering. The hands-on training conducted by company experts in MERN Full Stack Development, 3D Printing Technologies, Artificial Intelligence, and Robotics gave students practical exposure to contemporary technology areas.

The visit helped strengthen the connection between academic learning and industrial practice and encouraged students to develop their technical knowledge through practical exploration. The Department of Computer Science & Engineering sincerely appreciates Approtech R & D Solutions Private Limited and its experts for supporting the students' learning and providing this opportunity for industry exposure.



Figure: Technical interaction on Artificial Intelligence and Robotics.



Figure: Students and faculty members during the industrial visit.

Photographic Documentation:

The following photographs document the major stages of the industrial visit, including arrival, technical interactions, laboratory exposure, expert sessions and the group photograph.