

Date:27/02/2026

Mechatronics Department

Report on Expert Talk

“Latest Trends in Robotics and Automation”

Date: 27/02/2026

Department: Mechatronics

1. Introduction

The Department of Mechatronics had organized an Expert Talk on “Latest Trends in Robotics and Automation” on 27th February 2026 at B210B CAM Lab. The session was conducted by one Sales Manager, one Regional Manager, and one Application Engineer from ALTEM Technologies Limited. The objective of the session was to provide exposure to the latest developments and industrial practices in robotics and automation.



2. Objectives of the Expert Talk

To create awareness about emerging technologies in robotics and automation.

To bridge the gap between academic curriculum and industrial requirements.

To introduce students to Industry 4.0 concepts and smart manufacturing systems.

To enhance knowledge regarding simulation, robotic programming, and automation tools.



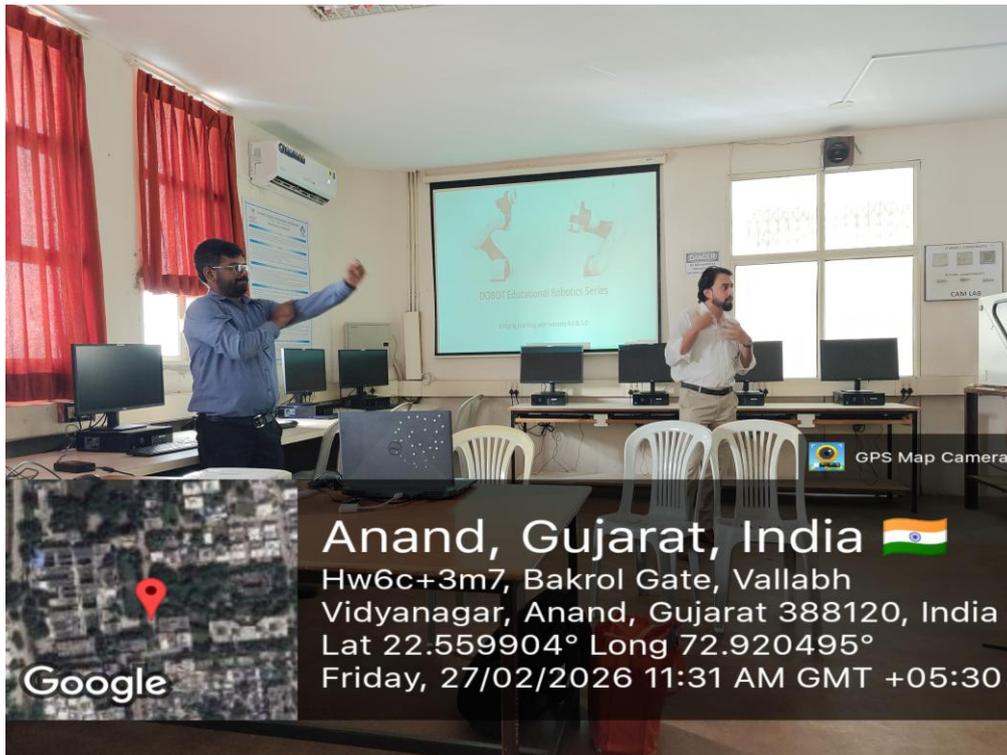
3. Session Highlights

The experts discussed collaborative robots (cobots), AI-integrated robotic systems, industrial automation practices, digital twins, and smart factory concepts. The Application Engineer demonstrated the use of industrial software tools for robotic simulation and virtual commissioning.

The speakers also explained the importance of robotics programming and sensor technologies in modern manufacturing industries. Real-world case studies were presented to help participants understand practical challenges and solutions.

4. Participation

A total of 13 faculty members from the various department and various institutes were present during the session. The interaction between faculty members and industry experts strengthened industry-academia collaboration.



5. Outcomes of the Session

Enhanced understanding of real-world industrial applications of robotics.

Awareness of modern automation tools and simulation software.

Opportunity for future collaboration with industry experts.

6. Conclusion

The Expert Talk was highly informative and beneficial. The Department of Mechatronics expresses sincere gratitude to the experts from ALTEM Technologies Limited for sharing their valuable knowledge and experience. Such initiatives contribute significantly to academic enrichment and professional development.