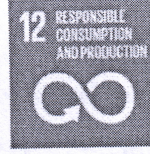




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Department of Artificial Intelligence and Machine Learning



24.10.2025

Submitted,

Sub: Report on Industrial Visit to FANUC India Pvt. Ltd., Bommasandra, Bengaluru-regarding.

With respect to the above subject, The Department of Artificial Intelligence and Machine Learning organized an Industrial Visit to FANUC India Pvt. Ltd., Bommasandra, Bengaluru on 17th October 2025 for the II Year AIML students. The visit aimed to provide students with practical exposure to AI-driven industrial automation and enhance their understanding of how Artificial Intelligence, Machine Learning, and Robotics are integrated into modern manufacturing systems.

Industrial visits play a vital role in experiential learning by helping students connect classroom concepts with real-world applications. This visit, conducted under the guidance of faculty members from the department, ensured that students gained valuable knowledge and professional insights into the industrial implementation of emerging technologies.

FANUC India Pvt. Ltd., a subsidiary of FANUC Corporation, Japan, is a global leader in Factory Automation (FA), Robotics, and CNC Systems. The company offers advanced automation solutions across automotive, electronics, and precision engineering sectors. Its systems are renowned for precision, efficiency, and the integration of AI-based control mechanisms that enhance industrial performance and sustainability.

Students were welcomed by FANUC engineers and introduced to the company's legacy, core technologies, and global operations. They explored CNC systems, robotic arms, and intelligent automation tools, with live demonstrations showing how AI and ML enhance accuracy, decision-making, and predictive maintenance.

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Students observed collaborative robots (cobots), AI-powered robotic arms, and smart CNC machines. Engineers demonstrated how sensor data is analysed via machine learning to detect anomalies and optimize productivity, offering key insights into Industry 4.0 and AI-driven sustainable industrial innovation..

The experience deepened students understanding of the practical applications of machine learning models, neural networks, and computer vision techniques in automation. It also strengthened their analytical and problem-solving skills while motivating them to explore interdisciplinary areas of research in AI, robotics, and manufacturing technology.

This initiative aligns with the United Nations Sustainable Development Goals, particularly SDG 4 – Quality Education, SDG 9 – Industry, Innovation, and Infrastructure, SDG 12 – Responsible Consumption and Production, and SDG 17 – Partnerships for the Goals. It offered students experiential learning that bridges academic theory with real-world industrial practice.

The visit was a transformative experience, providing first-hand insights into how AI and robotics are revolutionizing manufacturing by enhancing efficiency, precision, and safety. Students engaged in interactive discussions with industry experts on academic projects, research opportunities, and career pathways, inspiring continuous learning and innovation in intelligent systems.

The department sincerely thanks FANUC India Pvt. Ltd. for their hospitality and technical demonstrations and acknowledges the faculty coordinators for organizing this impactful industrial visit

Herewith, the glimpses of the event have been enclosed.

Faculty Coordinators

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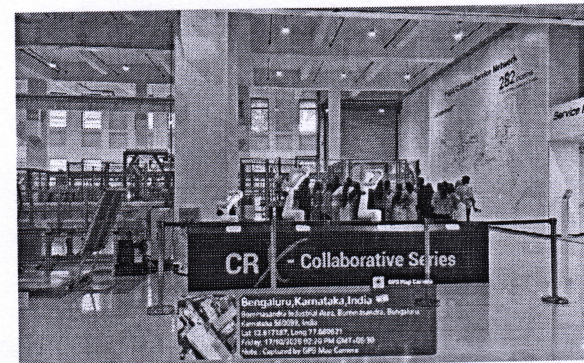
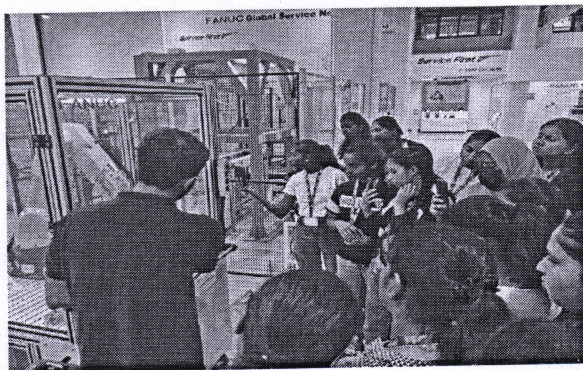
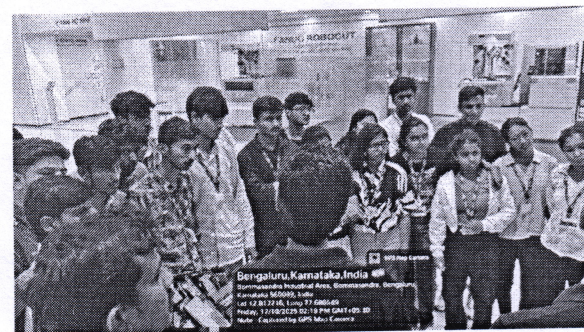
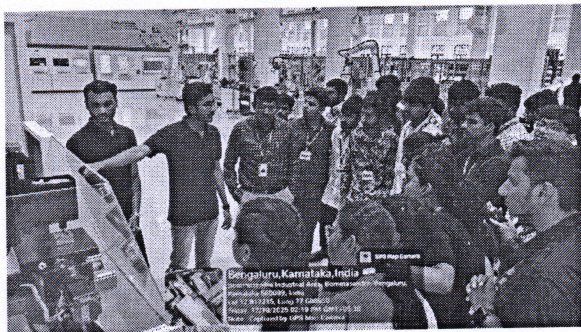
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GLIMPSES OF THE INDUSTRIAL VISIT



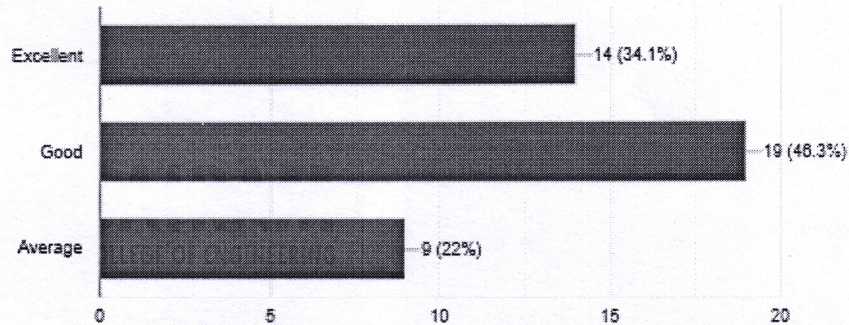


Department of Artificial Intelligence and Machine Learning

How useful was the industrial visit in understanding practical aspects of your course?

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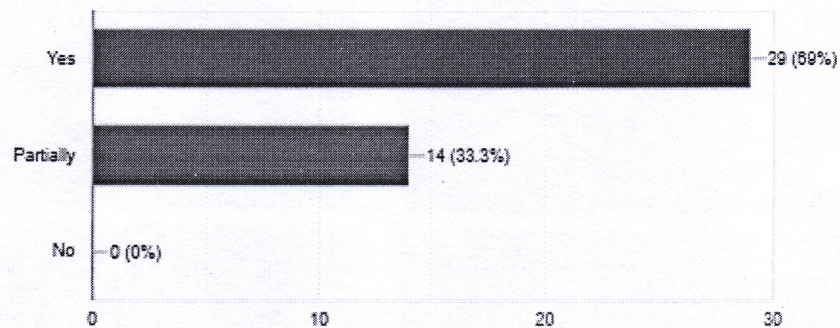
41 responses



Did the industry personnel provide clear and helpful explanations?

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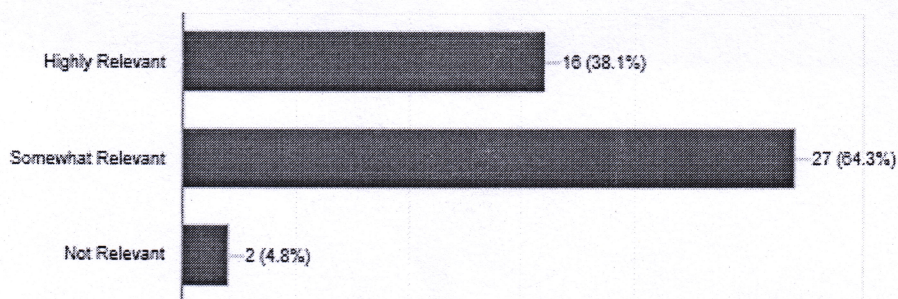
42 responses



How relevant was the visit to your academic subjects and career goals?

Copy chart

42 responses



P. B. [Signature]