



Maharaja Agrasen Institute of Technology, Delhi

PSP Area, Plot No. 1, Sector-22, Rohini, Delhi-110086

Department of Mechanical Engineering

EVENT REPORT

Name of the Activity:	Webinar on “Role of AI in Robots and Drones”	
Resource Person:	Dr. Shashi Shekhar Jha, Assistant Professor, CSE Deptt, IIT Ropar	
Date: 01 st February 2025	No. of Participants: 50+	

The Department of Mechanical Engineering, MAIT successfully organized an insightful webinar on the “**Role of AI in Robots and Drones**” on **Saturday, 01st February 2025**, from 11:00 AM onwards via Zoom. The keynote speaker, **Dr. Shashi Shekhar Jha**, Assistant Professor at IIT Ropar, provided a comprehensive overview of Artificial Intelligence (AI) in robotics and drone technology.

Dr. Jha traced the evolution of AI over the past 75 years and discussed its transformative impact on mechanical systems, automation, and intelligent decision-making. The session emphasized AI’s role in enhancing automation, control systems, and real-time data processing, particularly in robotics and drone applications for societal advancements. Students from Team Aerostars, Drone Society of MAIT, and Robotics Society of MAIT actively participated, engaging in discussions about the challenges of making autonomous drones and robots. Their thought-provoking queries led to an enriching exchange of ideas on AI-driven innovations in robotics. Dr. Jha discussed various machine learning models specifically designed for drone applications, including reinforcement learning-based path optimization, real-time object detection using deep learning, and AI-driven predictive maintenance for drones. He shared insights from his ongoing research and projects, demonstrating how AI is transforming drone technology.

The session aligned with important engineering academic curriculum courses, including Artificial Intelligence, Machine Learning, Reinforcement Learning, Robotics & Automation, and Embedded Systems.

Participant Engagement

The session witnessed active participation from students and faculty members across various departments. The interactive Q&A session provided a platform for students to clarify doubts and gain deeper insights into AI-driven innovations in engineering applications. Participants appreciated the relevance and practical implications of the topics covered, reinforcing the department’s commitment to industry-oriented learning.

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Ashwani Goyal Arpit Mishra Anshu yadav Sundaram

Ashwani Goyal Arpit Mishra Dr. Madhukar Chhimw... Anshu yadav Sundaram Dr. Sumit Joshi

Participants (73)

Q Find a participant

- AM Aman Mangal
- Anil Dahiya
- AG Anil Gupta
- A Anirudh Nair
- A Ankit
- AY Anshu yadav
- A ANUBHAV
- AA Arjun A M
- A Arnav Gupta
- AM Arpit Mishra
- A Aryan
- ashish kumar kashyap
- ATHARV SINGH
- AA ayush ahuja_MAIT_ME
- DS Devvrat singh

Invite Mute all

Shashi Shekhar Jha (IIT Ropar)

23°C Sunny

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Ashwani Goyal Arpit Mishra Anshu yadav Sundaram

Ashwani Goyal Shashi Shekhar Jha (IIT Ro... Arpit Mishra Dr. Madhukar Chhimw... Anshu yadav Sundaram

AR/VR with Drone Integration

Head Position Indicator

Human Operator

Upcoming Earnings

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