

Industry Day on Robotics and AI	
24th April 2026	
Venue: Lecture Hall No. 22, Second Floor, VMCC, IIT Bombay	

Inauguration		
09:00	Registration and Breakfast	
09:30	Welcome Address - Prof. Shrikrishna V. Kulkarni Dean Research & Development, IIT Bombay	
09:32	Inaugural Address - Prof. Milind Atrey Deputy Director (Academic, Research and Translation), IIT Bombay	
09:42	Event Introduction - Prof. Arpita Sinha Centre for Systems and Control, IIT Bombay	
Session 1 - Talks on 'Intelligent and Collaborative Robotics'		
09:45	Prof. Nived Chebrolu, Department of Computer Science and Engineering	Robots in Tough Environments
09:55	Prof. Leena Vachhani, Centre for Systems and Control	Integrated Planning and Control for Autonomous Safe Navigation
10:05	Prof. Vivek Sangwan, Department of Mechanical Engineering	Aerial Arms: Drone for Tasks involving Contact
10:15	Prof. Arpita Sinha, Centre for Systems and Control	Collaborative Transportation: Human-Robot-AI in Action
10:25	Prof. Shashi Ranjan Kumar, Department of Aerospace Engineering	Guidance and Control of Unmanned Autonomous Vehicles
10:35	Mr. Sandeep Panchal, India Region Consulting Head, Cognizant Tech Solutions	Robotics & AI - Manufacturing Industry Perspective
10:45	Mr. Murtuza Kundwala, Head - Armoured Systems Design & Development, L&T Precision Engineering and Systems	Collaborative Autonomous Systems – Challenges Beyond Algorithms
10:55	Interactive Demo + Networking Break	
11:40	Prof. Dwaipayan Mukherjee, Department of Electrical Engineering	Formation control using bearing-only information
11:50	Prof. Srikant Sukumar, Centre for Systems and Control	Safe Tracking Control for Robot Systems
12:00	IIT Bombay - Industry Collaboration Mechanisms (1) Industrial Research and Consultancy Centre (IRCC) (2) Development and Relations Foundation (DRF) (3) Technology Innovation Hub (TIH) (4) Society for Innovation and Entrepreneurship (SINE) (5) IIT Bombay Research Park (ASPIRE) (6) Educational Outreach (EO)	
13:00	Interactive Demo + Lunch Break	
Session 2 - Talks 'Robotic Systems for Industrial and Field Applications'		
14:00	Prof. Anirban Guha, Department of Mechanical Engineering	Rovers for Security Applications
14:10	Prof. Rohit Nanavati, Department of Aerospace Engineering	Robots for Gas Source Localization
14:20	Prof. Ambarish Kunwar, Department of Biosciences and Bioengineering, IIT Bombay	Robotic and AI Solutions for Air Quality Detection and Management

14:30	Prof. Hemendra Arya, Department of Aerospace Engineering	Drones for special industrial applications
14:40	Prof. Darshan Shah, Department of Mechanical Engineering	Physiological human joint simulators for orthopaedic research
14:50	Prof. Parthib Khound, Department of Electrical Engineering, IIT Bombay	Automotive Control: From Platooning to Lane-Less Traffic
15:00	Prof. Prasanna Gandhi, Department of Mechanical Engineering	Compliant mechanisms for robotics and automation
15:10	Mr. Srikanth Vidapanakal, Founder & CEO, xSpecies AI	Dexterity is the Bottleneck: Rethinking Industrial Robotics
15:20	Networking Break	
15:45	Panel discussion - Brains Meet Build: Academia–Industry in Robotics & AI Panelists: <ol style="list-style-type: none"> (1) Prof. Leena Vachhani, Associate Dean R&D, IIT Bombay (2) Dr. Rajappa Tadepalli, Chief Executive Officer, APSIRE IITB Research Park (3) Mr. Abhishek Chowdhuri, Senior Data Scientist Commercial Vehicles, Tata Motors Digital AI Labs Ltd. (4) Mr. Nikhil Gupta, Innovation Lead, Volkswagen Group Digital Solutions 	
16:30	Conclusion Session	