

## TechSpectra 2024: Building the Future, One Robot at a Time



- On August 24, 2024, CiPD, in collaboration with Robify, hosted TechSpectra 2024 at IIIT-Delhi, introducing students to the fundamentals of robotics through a structured, hands-on workshop. The “Making Your First Robot” session provided an immersive experience, equipping participants with the knowledge and tools to build their first fully functional robot.
- The workshop focused on bridging the gap between theory and practice. Students explored the core principles of robotics and automation, learning how motors, sensors, and microcontrollers work together to create intelligent systems. They assembled mechanical components, integrated electronic parts, and programmed their robots, gaining direct exposure to real-world engineering challenges.

- A key highlight of the event was the Mega Robotics Kit, provided to each participant, ensuring hands-on experience with industry-standard components. Through expert mentorship and troubleshooting sessions, students refined their understanding of robotic systems, problem-solving, and performance optimization. CiPD remains committed to fostering innovation in intelligent product development, allowing students and researchers to turn ideas into tangible solutions. TechSpectra 2024 was another step toward empowering future innovators in robotics and automation, preparing them to contribute to the growing field of innovative technology.