RoboXcel – Six-Day Hands-on Robotics Training Programme held on 24-09-2026

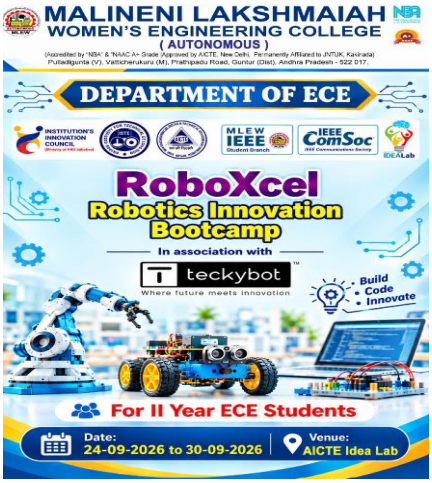
The Department of Electronics and Communication Engineering (ECE) organized "RoboXcel," a six-day hands-on robotics training programme commencing on 24-09-2026 at the Seminar Hall. The programme was conducted with the participation of Mr. Venkat Reddy and his team from Teckybot Pvt. Ltd., Robotics Experts, who provided practical guidance, demonstrations, and hands-on training to the students. The programme was attended by II-year students and faculty members.

The major objective of RoboXcel was to provide students with practical knowledge of robotics fundamentals, sensors, actuators, embedded systems, Arduino programming, robot assembly, and IoT integration. The training focused on connecting theoretical concepts with real-time robotic applications while encouraging students to develop problem-solving, programming, and technical skills.

During the programme, students were introduced to the basic components and working principles of robots, including sensors, motors, controllers, and actuators. Special emphasis was given to hands-on activities involving Arduino programming and robot assembly. Through these activities, students learned how sensors detect obstacles and track paths, and how programmed controllers process sensor inputs to control robot movement.

The trainers also explained and demonstrated various practical robotic applications, including Bluetooth-controlled robots, voice-controlled robots, light-following robots, sound-activated robots, and joystick-controlled robots. These demonstrations and hands-on activities were conducted for all batches, enabling students to gain practical exposure to different methods of robot control and interaction.

Overall, the RoboXcel programme provided students with valuable hands-on exposure to robotics and embedded technologies, strengthened their understanding of real-time robotic systems, and enhanced their ability to apply programming and electronics concepts to practical applications.



RoboXcel Poster



Talk by the Resourse person



Students working on Robotic kit