

Technical Event Report

1. Event Overview

Event Name: Robotics Workshop 1

Date of Event: 18 January 2026

Venue: LT 01

Organized by: The **Robotics Club**

In Association With: Technical Societies of MNIT

Coordinator: Aashutosh Kumar Sharma (2023UME1933)

2. Introduction

This workshop provided a structured platform for students to showcase their technical knowledge, innovative ideas, and problem-solving skills. The event aimed at fostering a culture of innovation, collaboration, and technical excellence among students across various branches.

The event encouraged participants to apply theoretical concepts to real-world problems, thereby enhancing their analytical thinking and practical understanding. It also promoted interaction between students from different technical domains.

Event Theme:

To design and develop a gesture-controlled car that uses hand gestures to control car movement.

Objective:

The objective was to provide a hands-on workshop for learning the basic fundamentals of robotics, sensor integration, and microcontroller programming.

Target Audience:

The target audience included **Undergraduate 1st Year Students** with an interest in technology, innovation, and engineering applications.

3. Event Highlights

Description:

The event commenced at **10:00 AM** in **LT 01** with registrations from enthusiastic participants across multiple branches. The room was occupied within a short span of time, indicating strong interest among students. The judging panel comprised senior students with technical expertise.

The workshop began with a comprehensive presentation designed to introduce students to the fundamental building blocks of robotics and embedded systems. Students were introduced to the microcontroller (specifically Arduino Uno and Arduino Nano), breadboards and jumper wires, MPU6050 gyro module sensors, BO Gear Motors, L298N motor driver, Bluetooth modules, etc.

Activities:

The event consisted of various technical activities such as:

- Presentation of technical components
- Technical discussions and demonstrations
- Robotics competition

Participation:

Approximately 8 teams participated in the event, with an audience strength of over 50 students.

6. Sponsorship

Sponsorship: None

7. Feedback and Suggestions

Participants' Feedback:

Participants expressed positive feedback regarding the structure and organization of the event. They appreciated the opportunity to showcase their technical skills in a competitive yet collaborative environment. Many participants suggested conducting similar events more frequently to encourage innovation and technical learning.

8. Good Quality Photos/Videos

High-quality photographs and videos capturing the technical activities, and participant engagement documented for future reference and promotional use.



