

Department of Artificial Intelligence and Machine Learning

Dated: 6/9/2024

REPORT

Workshop on “RoboTech”

Date of Event: 6th September 2024

Venue: AIML Smart Room (2202)

Objectives: To introduce students with sensors for getting started with Robotics.

Speaker: Pradipta Shanu (AIML)

Activities: Workshop on “RoboTech”

Key Takeaways:

- Introduction of Robots
- Types of Robots
- Basic Setup
- Introduction to Hardware
- Introduction to Software
- Basics of Prototyping

Description: The Department of AIML organized a workshop on "RoboTech" on 6th September 2024, led by "Pradipta Shanu", a student from AIML, in the "AIML Smart Room". Mr. Pradipta Shanu conducted an informative session that provided participants with valuable insights into robots and its types. The workshop aimed to familiarize students with the significance of sensors, highlighting its applications in various electronics projects, and offering hands-on experience to enhance their skills in robotics. The primary objective of the workshop was to enable students to learn from the speaker and gain knowledge on various aspects of Robotics. It also sought to address why and how to use Robotics, offering insights into its practical applications. The session facilitated interaction between the speakers and students, culminating in a question and answer session followed by a demonstration for future reference.

The primary objective of the workshop was to introduce participants to robots and provide them with hands-on experience in programming and interfacing sensors and actuators. The workshop aimed to:

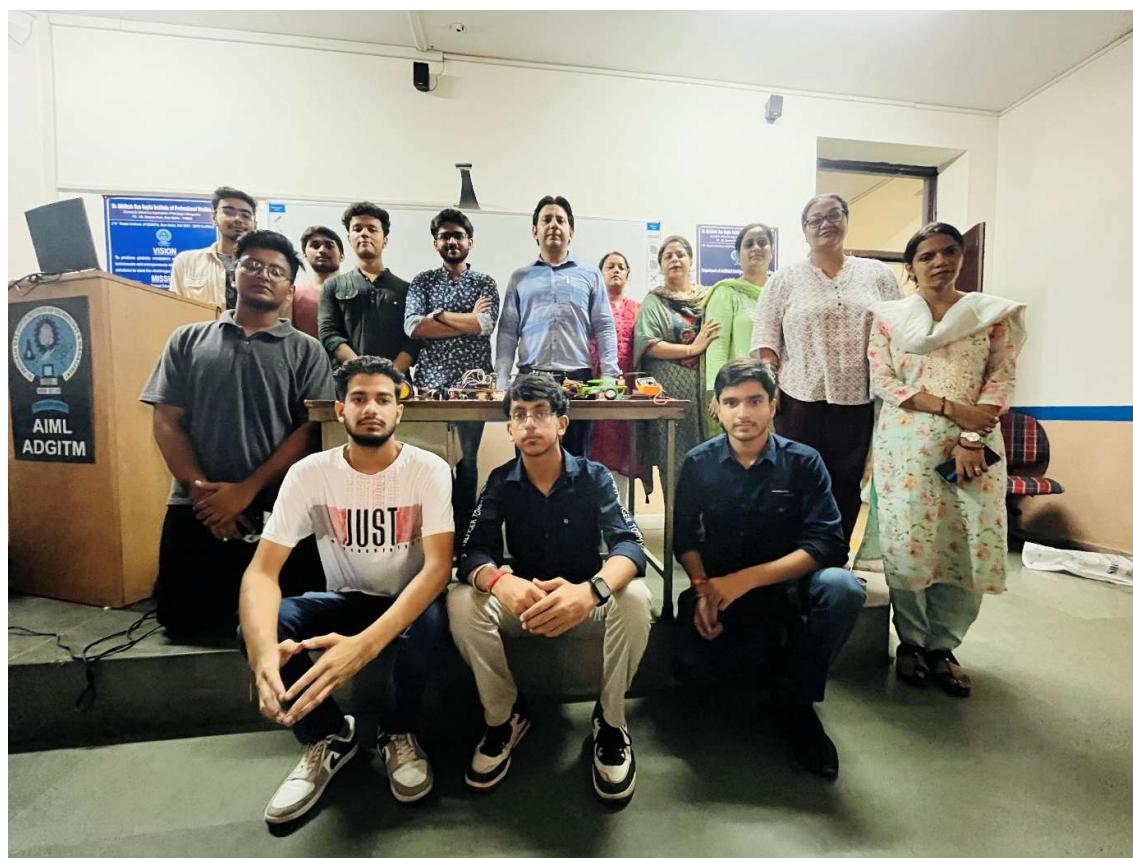
- Familiarize participants with the basics of robot hardware and software.
- Enable participants to build simple robots.
- Encourage learning through practical experiments involving sensors, motors, and displays.

Interested students also got the opportunity to join the ongoing demonstration of the speaker and get hands-on experience of how ARDUINO are implemented in the day-to-day setup and practical application of the concepts discussed during the workshop.

Outcomes: 65 students along with 8 faculty members benefited from the workshop.

Beneficiaries: AIML, IT and AI&DS students.

Photographs of event with title: Workshop on ARDUINO







**Ms. Sadaf Fatima
Event Organizer**

**Prof. (Dr.) Ankit Verma
Head of Department**