IIT Bombay Makerspace Workshop

Workshop Overview

Are you passionate about building autonomous robots?
Ready to innovate, fabricate, and bring your ideas to life?

The **IIT Bombay Makerspace Workshop** is a hands-on learning opportunity for students from **Grades 9 to 12**, focusing on real-world projects in **robotics, automation**, and **electromechanical prototyping**.

Key Highlights

Electromechanical Prototyping	IoT & Automation	Autonomous Robotics
3D Printing	ESP32 Programming	Obstacle Detection
Laser Cutting	Sensor Integration	Smart Parking Systems
PCB Designing	Smart Control Systems	Advanced Navigation

Workshop Details

- **Dates:** 9th June 2025 – 26th June 2025 (2.5 Weeks)
- **Target Audience:** Students of Grade 9 to 12
- **Early Bird Registration Fee:** ₹30,000 + Taxes
  (Offer valid until 15th April 2025)

Workshop Structure

➞ **Week 1:** CAD Modeling & Electromechanical Prototyping
➞ **Week 2:** Electronics, IoT Systems, and ESP32 Coding
➞ **Week 3:** Smart Systems Development & Final Showcase

Why Join?

- Mentorship from **IIT Bombay faculty** and industry experts
- Hands-on experience with cutting-edge **makerspace technologies**
- Develop **critical thinking, problem-solving, and innovation skills**
- Build a fully functional **autonomous robot**