

IIT Bombay Makerspace Workshop



A School Outreach Initiative by IIT BOMBAY

IIT BOMBAY MAKERSPACE WORKSHOP

DO YOU DREAM OF BUILDING YOUR OWN AUTONOMOUS BOT?
READY TO INNOVATE, FABRICATE & DESIGN A MODEL?

Standard:
9-12

Early Bird Registration:
₹30,000/- + Taxes
(Until 15th April 2025)

Dates:
9-26 June 2025
(2.5 Weeks)

GET HANDS-ON WITH:

Electromechanical Prototyping

3D printing, laser cutting,
PCB design & more

IOT & Automation

ESP32 programming, sensor
integration & smart controls

Autonomous Robotics

Obstacle detection, smart
parking & advanced navigation

LEARN. BUILD. INNOVATE

Under the mentorship of IIT Bombay faculty, you'll design,
build, and test your own fully functional autonomous robot!

WORKSHOP BREAKDOWN

Week 1: CAD Modeling & Prototyping
Week 2: Electronics & IoT Coding
Week 3: Smart Systems & Final Showcase

REGISTER NOW



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)
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Workshop Structure

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