

# Robotics Workshop

Empowering students creativity with our Programmable Robotics Kits



## Overview

Embark on an exciting journey into the world of robotics with our hands-on Robotics Class! Our program is designed to empower students ages 13 to 21 years with the skills & knowledge needed to create stunning robotics projects for their digital portfolios.



### Age group

13 to 21 years



### Duration

10 hours Workshop



### Schedule

#### Option 1

- Online classes
- 20th December 2023 - 17th January 2024
- Every Wednesday | 4:30 to 6:30pm
- Fees: Only Rs 5,999/- includes Robotics kit + competition access

OR

#### Option 2

- Physical classes
- 23rd December 2023 - 20th January 2024
- Every Saturday | 3 to 5pm
- Location: Fort, Mumbai
- Fees: Only Rs 6,999/- includes Robotics kit + competition access

\*Min quorum to start any batch is 5 students

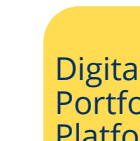
## Program includes



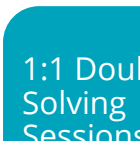
Individual kits for every student



Weekly classes with experts



Digital Project Portfolio Platform



1:1 Doubt Solving Sessions & Guidance



## What sets our Robotics class apart?

- ✓ Hands-on expertise
- ✓ Engineering Mastery
- ✓ Creative Innovation
- ✓ Digital Portfolio
- ✓ Teamwork
- ✓ Guided Learning
- ✓ Kits & components
- ✓ Competition Ready

# Projects covered

## 1. Introduction to Robotics

Gain an understanding of the fundamentals of robotics and automation

## 2. Robot Construction

Master the process of building and customizing robots

## 3. Motors and LEDs

Learn how motors and LEDs function and how to integrate them into robots

## 4. Buzzer Integration

Incorporate sound into robots using buzzer technology

## 5. Turning Techniques

Perfect various robot turning techniques for precise control

## 6. Pattern Design

Create intricate patterns and shapes with robots, honing design skills

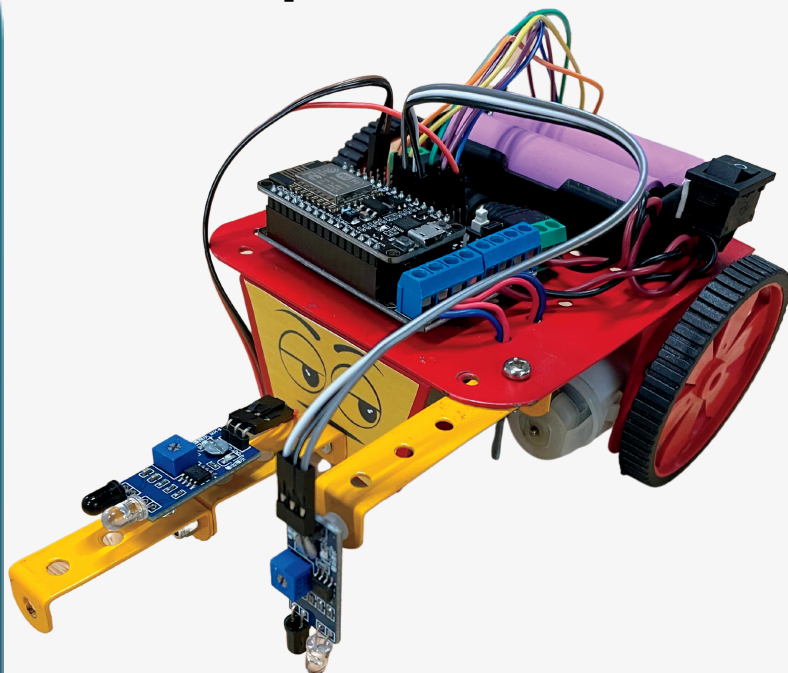
## 7. Blind Maze Navigation

Develop the ability to navigate robots through mazes without sight

## 8. Line Following

Design robots capable of accurate line-following, enhancing programming skills

# Kit Components



BO Motors



Wheels



Battery Holder



Line Following Sensors



Castor Wheel



LDR



Buzzer



NODE MCU Motor Shield



3D Printed Sensor Mount



Chassis



Rechargeable Battery



Jumper Wires



Screws, Nuts & Spacers



Battery Charger



NODEMCU

REGISTER NOW

