

Arduino and Sensor Interfacing

Level 4 | 48 Hrs. | Age group : 12yrs. +

Description This course is a hardware-based courses to teach the students about Arduino. This course has more than 30+ different hardware projects where student learn to interface Arduino with various sensors and also learn to code in C Language. This course is the perfect to start learning the platform of Arduino and make many real-life interesting projects.

Skills you will Develop

- ▼ Creativity & Innovation
- ▼ Problem Solving
- ▼ Team Work
- ▼ Conceptual Skills
- ▼ Perseverance
- ▼ Logical Thinking

What will you Learn ?

- ▼ 40+ Projects
- ▼ Introduction to Arduino
- ▼ Concepts of PWM
- ▼ Arduino Code Basics
- ▼ Bits, Bytes and Binary System
- ▼ Data Types
- ▼ Arduino Loop

Eligibility

- ▼ Good knowledge of Electronics
- ▼ Basics of Coding or Previous Levels on Scratch or AI

- ▼ Variables, Functions, Loops
- ▼ What are Arduino Operators
- ▼ Rotate a Servo Motor
- ▼ Measure distance using Ultrasonic Sensor

