

# Code Junior Course

## About Course:

The course will introduce your kids to Coding with Robotics. They will learn real text based coding and make robots using Robotics Hardware with the help of our advance Robotic Kit Based on Arduino & Sensors.

**Duration:** 25 days (May vary according to students learning pattern)

**Session Type:** 1 ON 1 Session (1 Faculty and 1 Student Policy)

**Requirement:** Robotic Kit, Laptop, Headphone, Internet with stable connection

**Course Fees:** 14,999/- (Including Robotic Kit & Shipping Charges)

**Certification:** Yes

**Session Frequency:** Twice a Week

**Session Duration:** 1 Hour

## Course Content:

- 1) Introduction to C language
- 2) Writing Codes for C language in Code Blocks
- 3) Explanation of printf function
- 4) **Print your Bio-Data**
- 5) Arduino-Analog Interfacing
- 6) Explanation of Accelerometer
- 7) Accelerometer-Values read on Serial Monitor
- 8) **Accelerometer-5 leds on-off**
- 9) **Gesture Control Robot**
- 10) **Computer Operated Robot using Serial Monitor**
- 11) Introduction to Serial Communication
- 12) Arduino-Serial Interfacing
- 13) Explanation of Bluetooth
- 14) Download Arduino Bluetooth Controller app
- 15) **Bluetooth-13 no.led on-off**
- 16) **Bluetooth-5 leds on-off**
- 17) **Bluetooth Operated Robot**
- 18) Introduction to Relay- Electromagnetic Switch
- 19) **Home Automation using Bluetooth & Relay**
- 20) Introduction to Flag Variable
- 21) **Flag variable -13 no. led on-off using Bluetooth**
- 22) **Flag variable -5 leds on-off using Bluetooth**
- 23) Understanding of Smoke Detector
- 24) **Smoke Detector -13 no. led on-off**
- 25) **Smoke Detector – 5 leds & Buzzer on-off**

## FAQ

How Many Robots / Systems My kid will make?

12 Different Robots or Automatic System

Will My Kid work on Robotic Kit?

Yes

Will My Kid Apply Coding Skills to Hardware?

Yes, we have designed course in that way only

Is there any Demo/ Trial Class Available?

Yes, we provide 2 demo classes as we believe in 100% satisfaction Policy, if your kid is not able to understand the logic in 2 Demo classes than after receiving of Robotic Kit we will refund 100%

Will Student Require Robotic Kit?

Yes

Who Will Provide Robotic Kit?

Robotrix India

Is Robotic Kit Cost Extra?

No, it's including in course fees

Who will pay shipping charges for Robotic Kit?

Robotrix India

What Skills are required to do the Course?

Basic computer knowledge required for this course