

Robot 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: 20 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: 9,999/- (Including Robotic Kit & Shipping Charges)

Certification: Yes

Session Frequency: Twice a Week

Session Duration: 1 Hour

Course Content:

- 1) Explanation of Data types
- 2) Explanation of Variables
- 3) Arduino-Digital Interfacing
- 4) Explanation of Push Button
- 5) Push button – Value read on Serial monitor
- 6) Introduction to Conditional Statement
- 7) **Push button- led & buzzer on/off**
- 8) **Public Counter using Push Button**
- 9) Arduino – Analog Interfacing
- 10) Explanation of Potentiometer(Variable Resistor)
- 11) Potentiometer – Value Read on Serial Monitor
- 12) Introduction to logical Operator(&&)
- 13) **Potentiometer-5 leds & buzzer on/off**
- 14) **Potentiometer Values-voltage conversion using Float Variable**
- 15) Introduction to Car Mechanism and Programming for two motors
- 16) Explanation of Motor Driver Module & 7805 Module
- 17) **5 sec forward/backward/right/left/stable car**
- 18) Explanation of Joystick Module
- 19) Joystick – Value read on Serial Monitor
- 20) **5 leds on/off using Joystick**
- 21) **Joystick operated Robot**

FAQ

How Many Robots / Systems My kid will make?

7 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