

Arduino programming is a learning application development system of microcontrollers. It's based on the ARDUINO microcontroller series atmega-328. It has functions such as line tracking, obstacle avoidance, infrared remote control and Bluetooth wireless remote control.

This course contains many interesting programs. Also taught to expand to have external circuit modules to have other functions. This course is designed to help you interestingly learn Arduino. You can learn the Arduino MCU development ability while having fun.

Requirement :

Components : Advance Kit with Arduino
Software or App : Arduino Code Editor
Required Laptop/Phone with internet connection
No prior knowledge in programming or electronics





Projects:

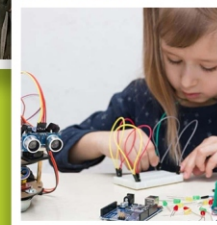
Introduction

- Getting Started with Arduino
- Installing Code Editor



Ultrasonic obstacle avoidance smart car

- Project Description
- Components Needed
- Test Code
- Test Result



Application of L298N motor driver board

- Project Description
- Components Needed
- Test Code
- Test Result

Tracking smart car

- Project Description
- Components Needed
- Test Code
- Test Result

Infrared remote control smart car

- Project Description
- Components Needed
- Test Code
- Test Result

Arduino bluetooth remote control programmable smart car

- Project Description
- Components Needed
- Test Code
- Test Result

4 in 1 (line tracking; obstacle avoidance; Infrared remote control; bluetooth remote control) multifunctional

- Project Description
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