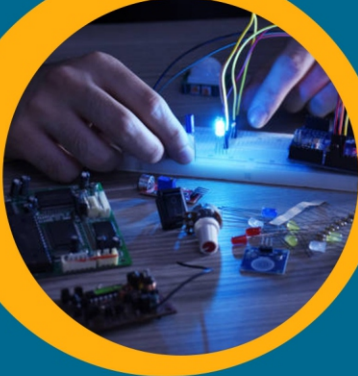




Arduino is an open-source hardware project platform. This platform includes a circuit board with simple I/O function and program development environment software. It can be used to develop interactive products. For example, it can read signals of multiple switches and sensors, and control light, servo motor and other various physical devices. It's widely applied in the robot field.



Learning Outcome :

Starter Kit is a programming learning kit based on Arduino. With a controller, numerous sensors, modules and electronic components, can do many different DIY projects. This kit also comes with 28 projects, which are entirely suitable for beginners. Each project has detailed knowledge about wiring and fascinating Project Codes. You can learn electronics, physics, science and programming knowledge.



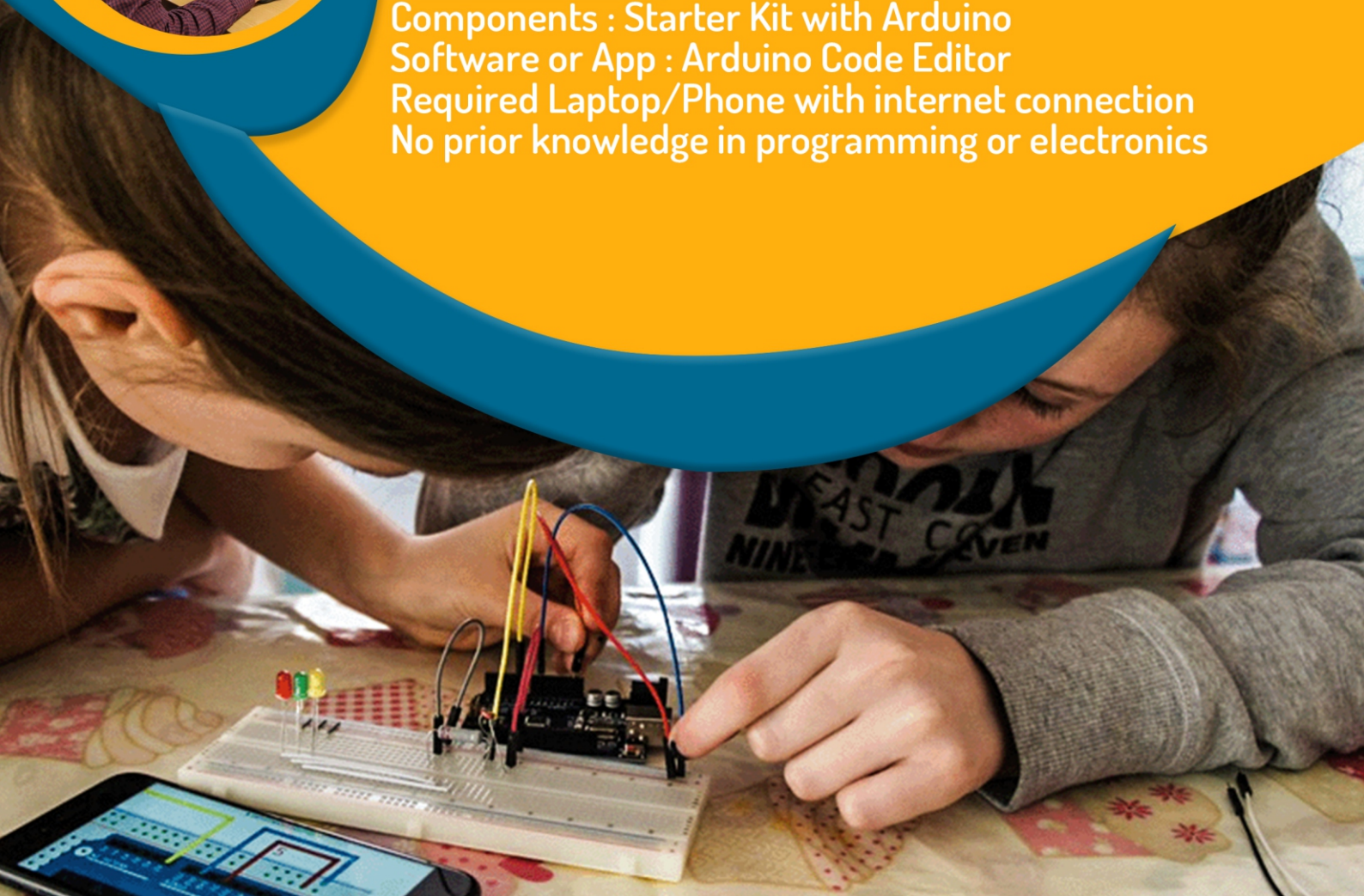
Requirement :

Components : Starter 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

Unit 1 : Project

- Hello World
- Blinking LED
- Little Star
- Traffic Light
- RGB LED
- Battery Billboard

Unit 2 : Project

- Little Bee
- Bird That Can Sing
- Laser Bar
- Small Desktop Lamp
- Digital Hourglass
- A Guard Dog



Unit 3 : Project

- DIY A Time Bomb
- Hand Counter
- Beating Heart
- An Expressive Frog
- Small Fan
- Car Speed Dial

Unit 4 : Project

- Clock Rotation
- Dimming Table Lamp
- Flame Alarm
- Light Lamp
- Smart Fan

Unit 5 : Project

- Temperature Tester
- Batman is Coming
- Spinning Ferris Wheel
- Temperature Humidity Meters
- Smart House