Course Objective:

By the end of this course, the participants will be able to:

1. Understand the value and importance of learning a coding language.
2. Understand the Arduino's architecture, including inputs, outputs, and the required connectors for add-on devices.
3. Learn the C language that used to program the Arduino.
4. Program the Arduino to control outputs such as Lights, Motors, LCD based on the reading data from input such as sensors and switches.
5. Build a full engineering project using Arduino as a main controller.