Module.1:
- Course syllabus & course duration
- Project & Hardware
- Software (Arduino IDE) & Coding basics
- Introduction to LED and BUZZER Pin Configuration
- Interfacing LED (turning ON and OFF and to perform a sequence of operation)
- Interfacing Buzzer turning ON and OFF

Module.2:
- Introduction to LDR sensor, pin Configuration
- Interfacing LDR Sensor & Counter with LDR sensor
- Introduction to Soil moisture sensor and Pin Configuration
- Interfacing Soil moisture sensor, setting Level of moisture value
- Soil moisture value turning ON and OFF of LED/BUZZER

Module.3:
- Introduction to Smoke Sensor and Pin Configuration
- Interfacing Smoke Sensor & Setting Level of smoke value (HIGH and LOW) turning ON and OFF of LED/BUZZER
- Introduction to Display pin configuration
- Interfacing 16x2 LCD display & Writing program for display text on LCD
- Introduction to Ultrasonic Sensor Configuration
- Interfacing ultrasonic sensor & Writing code for measuring specific distance

Module.4:
- Introduction to PIR sensor and Pin Configuration
- Interfacing PIR sensor & Writing code for object detection
- Introduction to relay, pin Configuration
- Interfacing Relay & Writing code to turn ON and OFF Relay
- Introduction to LM35, Pin Configuration
- Interfacing temperature sensor & Writing code to measure temperature
Module 5:

✓ Introduction to RFID Reader module and Tag, Pin Configuration
✓ Interfacing RFID & Writing code to read RFID data
✓ Introduction to L293D Motor Driver and Pin Configuration
✓ Interfacing L293D Motor Driver
✓ Writing code to drive motor in a forward and backward direction