

# ARDUINO MASTER CLASS

+ DAY –1 Overview of this course | Details about Arduino & Application

+ DAY –2 Installing Arduino Software & Libraries | Programming Arduino

## EMBEDDED SYSTEM – ARDUINO

+ DAY –3 Overview on Embedded Systems | LED , Switch & Buzzer with Arduino

## COMMUNICATION – PROTOCOL

+ DAY –4 Rat Trap design using LDR & Laser Arduino | ADC - SPI Protocol

+ DAY –5 Bluetooth controlled Light with Arduino | UART Protocol

+ DAY –6 I2C LCD with Arduino | I2C Protocol

+ DAY –7 RFID based authentication system using Arduino | UART Protocol



**SENSORS**

- + DAY –8 Motion Detection using PIR & IR Sensor | Digital Sensor
- + DAY –9 Temperature Monitoring System using Temperature sensor | Analog Sensor
- + DAY –10 Distance Measurement using Ultrasonic Sensor
- + DAY –11 Water level Detection & Alert system | Analog & Digital Sensor
- + DAY –12 Humidity Detection & Alert using DHT11 Sensor
- + DAY –13 Water quality detection using PH Sensor | UART Protocol
- + DAY –14 Waterflow detection using Flow sensor | Pulse sensor
- + DAY –15 Keypad with Arduino for Stop Clock

**DISPLAY**

- + DAY –16 Simple Message Chat using LCD Display Arduino
- + DAY –17 Switch press Counter using 7-Segment display
- + DAY –18 TFT Display with Arduino

**MOTOR**

- + DAY –19 DC Motor Speed Control using TrimPot | DC Motor
- + DAY –20 Automatic Door lock system using PIR & Servo | Servo Motor
- + DAY –21 Stepper Motor Control using Arduino

# WARRIORS WAY COACHING PROGRAM

## ROBOTICS SYSTEM - ARDUINO

- + DAY –22 Robot Design | Bluetooth & Voice controlled robot using Arduino
- + DAY –23 Obstacle Avoidance Robot using Ultrasonic

## ELECTRICAL SYSTEM – ARDUINO

- + DAY –24 Power Monitoring system | ADC | SPI Protocol
- + DAY –25 Fault Detection | ADC

## INTERNET OF THINGS – ARDUINO

- + DAY –26 Industry Monitoring System using IoT | ESP8266

## MATLAB - ARDUINO

- + DAY–27 RADAR using Ultrasonic & Arduino with Matlab

## ARDUINO BONUS

- + DAY –28 Audio speaker from a Signal using Arduino & Signal Generator
- + DAY –29 Li-Fi based Data transmission using Arduino
- + DAY –30 Brain Controlled Robot using Arduino

