Electronics Society

ETE Electronic Society Presents

15 Days Workshop on Microcontrollers and Programming.

(Basic to Advance)

[Online and Offline Class]

DAY	TOPICS		Duration (Hour)
1 - 2	Introduction to Microcontroller	What is Microcontroller?	3
		Microcontroller Development Boards	
		Introduction to ARDUINO IDE Software	
		Basic Programming Syntax for ARDUINO IDE	
		Basic Program	
3	Input and Output	How to take input in the Microcontroller?	2
		How to take output from the Microcontroller?	
		Analog to Digital Converter	
4	Relay	What is Relay?	
		Relay Module.	
		Uses of Relay Module	
5 - 6	Interfacing Sensors	IR Sensor	3
		Ultrasonic Sensor	
		Soil Moisture Sensor	
		DHT11 Sensor	
		Flame Sensor	
		Gas Sensor	
		LDR Sensor	
		RFID Card	
7 - 8	Interfacing Displays	LCD Display	3
		OLED Display	
9 - 10	Serial Communication	Bluetooth Module	3
		GSM Module	
11	DC Motor Controlling	L298N Motor Driver	2
12	Project – 01		2
13	Project – 02		2
14	Project – 03		2
15	Project – 04		2