Embedded System with Arduino and Embedded C

MDB Electrosoft

Arduino and Embedded C

Course Content

Sr. No.	Content
1.	Introduction to Arduino board
2.	Installation of Arduino Software
3.	Pin mapping of Arduino with ATMEGA 328/ 8
4.	Software Basics
5	Intefacing of LED with board. Writing a program to on and off the LED with interval of 1 second
6	Embedded C programing basics
7	If loop, For loop, While loop, Switch-case statement syntax
8.	Interfacing of 7 segment displpay and its programming.
9.	Interfacing of Buzzer to genrate different audio tones.
10.	Intefacing of switch and LED to Board
11.	Interfacing of 16x2 LCD display and its Programming. Writing program for different display patterns on LCD.
12.	Displaying Names of student on LCD
13.	Scrolling names o lcd
14.	Changing name pattern on LCD by switch
15.	ADC Programming Writing a program to display analog voltage on LCD.
16.	Design of temperature indicatior and controlling System.
17.	Water level indicator
18.	Home appliance control using remot
19	Interfacing of Utrasonic sensor
20.	Serial Communication using Arduino

21.	Interfacing of Bluetooth Module
22.	Interfacing of Gas sensor
23.	Interfacing of Hall effect sensor
24	Interfacing of RF IF Modile
25	Interfacing of Querty Keyboard
26	Logic and Programing of wireless controlling of robot via remot control
27	Logic and Programing Line follower robot
28	Interdoction to Raspberry Pi

Duration Of Workshop : 40 to 50 Hrs.

All experimental material will be provide for experimental purpose during course.

Fees : Rs. 2500/-

Call for more Details: 9552811938

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