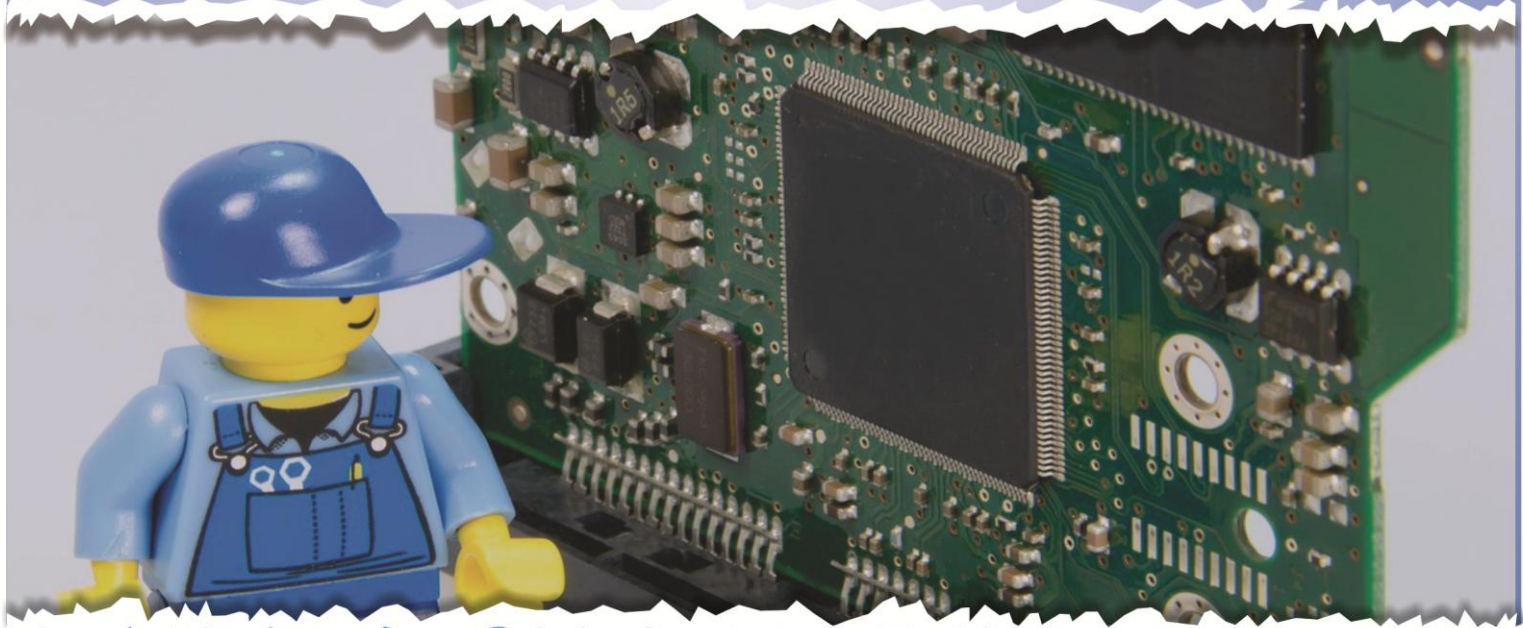


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# EMBEDDED SYSTEM



**Register now for max. % discount**



**You Tube**



Email : [robozzlab@gmail.com](mailto:robozzlab@gmail.com)



Contact : **0731- 4249912**

Venue : 2nd Floor Sunderam complex Bhawarkua, Indore (M.P.)



[www.robozzlab.com](http://www.robozzlab.com)



Duration: 15 Days | Time: 1 hr/day

## Course Content

### Session : 1 Introduction

- Course introduction
- What is microcontroller & microprocessor
- Introduction of arduino & 8051
- Types of microcontroller
- Embedded c programming

### Session : 2 Basic Interfacing

- Introduction to compiler and IDE
- Application of embedded system
- How to burn program in microcontroller?
- Interfacing with LED
- Interfacing with 7 Segment
- Interfacing with buzzer
- Interfacing with relay
- Interfacing with lcd
- Interfacing with switch
- Interfacing with matrix keypad
- Interfacing with motors
- Serial Communication

### Session : 3 Sensor Interfacing

- Interfacing with ldr sensor
- Interfacing with infrared sensor
- Interfacing with Mq6 sensor
- Interfacing with Lm35 sensor
- Interfacing with Ultrasonic sensor

### Session : 4 Additional

- Introduction to Raspberry Pi
- Loading OS image on sd card
- Controlling the GPIO by command line
- Basics of python
- Getting familiar with python shell

Note : 2 Days extra doubt clearing Session  
***Advance Project Demonstration***

