

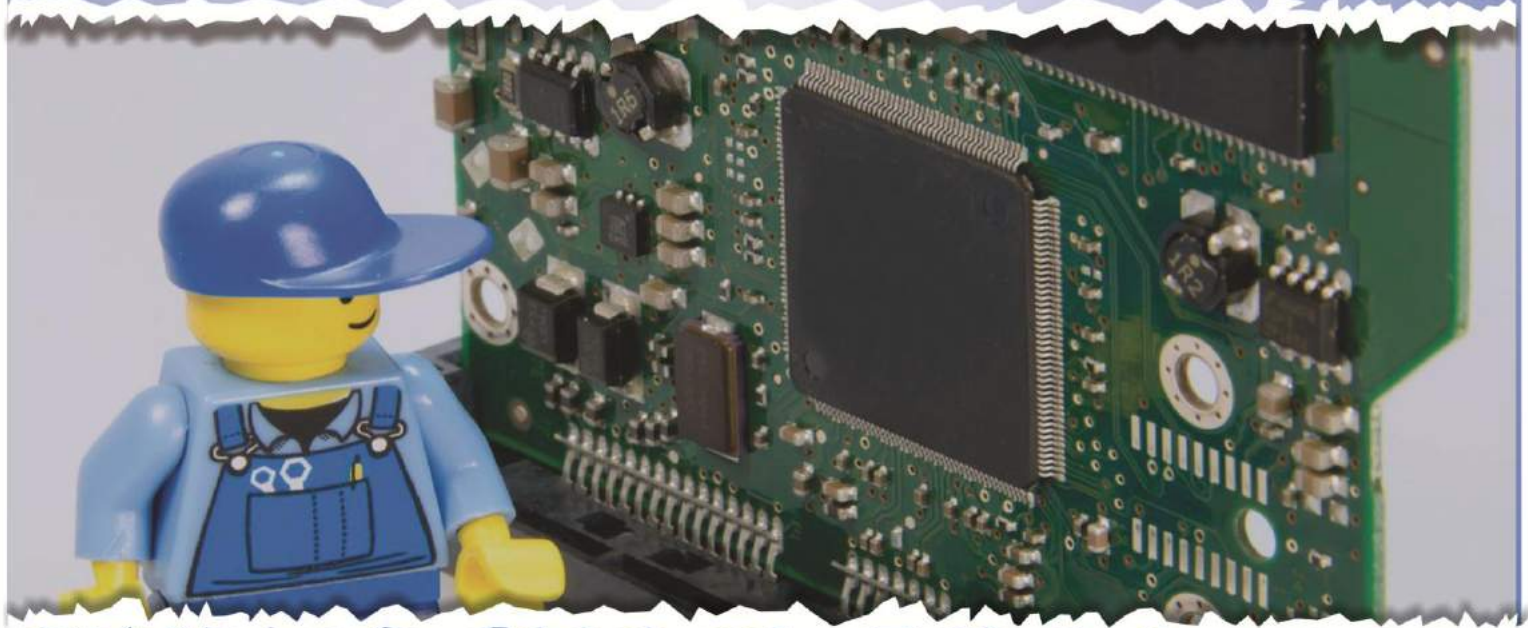
RoboZZ Lab
Robotics, Industrial Automation & Electronics Solutions

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



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 Idr 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

