

## Sixth Sense

### Introduction to Robotics and Combination of Robotics with Sixth Sense

- Microcontroller Programming
- Machine Control
- Introduction to Computer vision
- Digital Image Processing in Matlab
- Image Manipulation in Matlab
- Video acquisition and Manipulation

### Hands on sessions:

- LED and Motor Control
- Computer Controlled Robot
- Ball Following Robot
- Change a PowerPoint Presentation with your hands.
- Control Media Player with Hand Movements.
- Assembling the Kit

### Take away kit involves:

- Atmega Based Microcontroller board [One]
- USB Programmer [One]
- Wheels [Two]
- Castor Wheels [Two]
- Chassis (Robot Body) [Three Parts]
- DC Motors [Two]
- Software and Study Content [One]
- Connecting Cables [One Bunch]
- Nuts and Bolts [One Packet]
- Screw Driver [One]
- Battery (9V) [Two]
- IR Sensors [Two]
- Atmega IC [One]
- Motor Driver IC [One]
- MAX 232 [One]
- 7805 [One]
- LM324 [Two]