

AUGMENTED INTERFACE WORKSHOP

Augmented Interface is a two days workshop in which our trainer will be focusing on introducing the participants to the Augmented World or teach students to make their own Augmented Interface by using Gestures

This workshop is divided into 4 different sessions in which participants are introduced to various concepts related to Robotics & Embedded systems, Accelerometer & many

*At the end of the workshop, Students will be able to make their own
AUGMENTED INTERFACE & GESTURE CONTROLLED SYSTEM*

Workshop Details

Duration: 2 Days

Max Time: 16 Hours

WORKSHOP BENEFITS

BENEFITS TO PARTICIPANTS

PRACTICAL EXPOSURE

- Hands on session by Expert

INFIZEAL TOOLKIT

- Augmented Interface toolkit in a group of 4-5 students

INFIZEAL CERTIFICATION

- Each participant will get ISO certification

LIVE EXPERIENCE

- Interactive sessions with live demo on kit

DISCOUNT ON TRAINING PROGRAMS

- 15% discount on Training program Individually.
- 20% discount on training program in a group of 3-5 students

DOUBT CLEARING SESSION

- Doubt clearing session to all the participants at the end of workshop

FREE E-MAIL SUPPORT

- 6 months email support

There is no pre-requisites for this workshop

BENEFITS TO COORDINATORS

- Coordinator can attend the workshop at free of cost (max 5)
- Coordination's certificates will be given by Infizeal.
- 15% discount on training programs.

MODULES DAY-WISE

DAY 1

INTRODUCTION TO ROBOTICS

- What is Robotics?
- Future of Robotics

UNDERSTANDING ROBOTICS LOCOMOTION

- Tracked Robot
- Biped Robot
- Wheel Robot

BASIC ELECTRONICS

- Basic Components
- Logic Gates
- OP-AMP
- Oscillators

UNDERSTANDING ACTUATORS

- DC Motor
- Stepper Motor

INTRODUCTION TO MICROCONTROLLER

- Different families of Micro-Controller
- Basic features of Microcontroller

INTRODUCTION TO ARDUINO/FREEDIUNO BOARDS

- Internal structure of Arduino
- Wiring & Programming IDE

DAY 2

INTRODUCTION TO BLUETOOTH MODULE

- Basics of Bluetooth Module
- Bluetooth connections between two devices
- Bluetooth module with Arduino

INTRODUCTION TO ACCELEROMETER MODULE

- Basics of Accelerometer
- Accelerometer meter connections between two devices
- Accelerometer module with Arduino

CREATING YOUR AUGMENTED INTERFACE

- Assembling

- Programming
- Coding
 - Burning Program with Microcontrollers
 - Testing
- Controlling of system mouse & Robot

***AT THE END OF THE WORKSHOP, STUDENTS WILL BE ABLE TO MAKE
THEIR OWN AUGMENTED INTERFACE & GESTURE CONTROLLED
INTERFACE OR SYSTEM***

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