

SIES Graduate School of Technology

Department of Electronics and Telecommunications

Presents

Five days Hands on Training on “Embedded System Design using Arduino”
26th to 30th December 2017, Navi Mumbai, 10.00 am to 4.30 pm

Objectives

- To develop the background knowledge and core expertise of an embedded system design.
- Introduction to Arduino Board.
- To know the importance of different peripheral devices and their interfacing to microcontrollers.
- To know the sensor interfacing and its programming.
- To write C/C++ language programs for Arduino board for various applications.
- To know the working of different sensors and their use in an embedded systems

Course Contents

- Arduino Board and its programming via Arduino IDE
- Working principle and interfacing of,
- Seven sensors (LDR, Ultrasonic, Gas Sensor, Proximity Sensor, Temperature, Humidity, Accelerometer)
- Two wireless modules for data transmission (Bluetooth, Wifi module)
- Two actuators (Servo Motor, DC Motor)
- Three display devices (Seven Segment, 16X2 LCD, LED)
- Concept of Internet of Things(IoT)
- Project Designing using Arduino Board, Sensor and Display Devices

Who Should Attend

- Any student from SE (EXTC/CE/IT/MECH/COMP) – First Come First Serve (Seat available only for 20 students- 10 groups with 2 members each)

Registration Fees

Course Fees: Free

Contact for Registration

Click [Here](#)

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