SIES Graduate School of Technology

Department of Electronics and Telecommunication

Presents
Training on
Introduction to Arduino, IoT and Interfacing using Simulator software
Duration 15 June 2020 To 26 June 2020

Skill Development Cell undr the Department of Electronics and telecommunication, SIESGST organizing workshop to provide training by simulation combining theoretical and practical knowledge using simulator on Arduino board and IoT. This will provide simulation of Arduino board with different sensors, actuators and displays devices to fulfill the gap between academic and industry. Candidates will have the opportunity to gain practical knowledge using simulation. This course will help the candidates to improve the technical skills and give them a better understanding of an Arduino board and Internet of Things.

Objectives

i)To gain knowledge of an Arduino board..

ii)To know the importance of different peripheral devices and their interfacing to microcontrollers

iii) To know the sensor interfacing and its programming.

iv) To know the working of different sensors and their interfacing with Arduino board.

v) To understand the basic concept of IoT and its implementation

Course Contents

Module 1: Introduction to microprocessor and microcontroller, microcontroller interfacing, introduction to Arduino uno,IDE

Module 2: Configuration of GPIO pins of Arduino as an input or output for interfacing of different devices. Introduction to simulator and interfacing of sensor with Arduino board

Module 3: Introduction to potentiometer ,LDR t sensors and its interfacing with Arduino. Implementation of program using simulator

Module 4 : Introduction to ultrasonic sensor and PIR sensor and its interfacing with Arduino board. Implementation of program using simulator

Module 5: Introduction to IoT,and Designing of IOT applications using simulator.

Who Should Attend

Any student from FE,SE (EXTC/IT/CE/MECH/PPT)

Registration Fees

Course Fees: Free

Contact for Registration

Register here -https://docs.google.com/forms/d/19LxIyCcBYHBbtP3yn8PRosMEgshpLXX-anfWqc4rj-0

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