SIES Graduate School of Technology

Department of Electronics and Telecommunication

Presents
5 days Hands on Training on
Embedded Systems - ARM Mbed Platform and Node MCU

19th-21st December2018, 9.30 AM to 4.00 PM
And remaining 2 days in January 2019.

There is difference between education and knowledge. Education provides learning. While knowledge translates that learning into a career that earns a living. But the truth is, our education system is largely structured around academic learning, leaving the task of turning it into a career to the individual. For the less-privileged though, the only barrier that stands between them and a technocrat is knowledge of practical aspects of technology.

This course is meant to be a hands-on type course, giving students a chance to hear and read about embedded system topics, and then put those concepts to work by developing and debugging embedded system hardware and firmware

Objectives

i) Learn about Embedded systems and ARM Mbed platform
ii) Interfacing various devices like 7 segment display, LCD display.
iii) Interfacing various sensors like accelerometer, LDR, tempertaure sensor etc.
iv) Learn basics of Node MCU and its interfacing with sensors and IOT application designing.

Course Contents

Module 1: Introduction to microprocessor and microcontroller, Introductiuon to Embedded syatems, Introduction to ARM Mbed platform.

Module 2: Simple programs like LED blinking, use of BusOut and PwmOut function.

Module 3: Basics of 7 segment display and LCD and their interfacing with freedom board.

Module 4 : Basics of accelerometer, LDR, potentiometer and its interfacing with freedom board.

Module 5: Basics of Node MCU, its interfacing with various Sensor, Designing of IOT applications based on Node MCU.

Who Should Attend

Any student from SE (EXTC/IT/CE) - First come first serve (Seat available only for 20 students- 10 groups with 2 members each)

Registration Fees

Course Fees: 500/- Rs per member

(to be paid in the office)

Contact for Registration

Prof. Pushkar Sathe
Mobile:.9870630637
Email ID :pushkar.sathe@siesgst.ac.in