

SIES Graduate School of Technology

Department of Electronics and Telecommunication

Presents
**3 days Hands on Training on
Embedded Systems - ARM Mbed Platform**

19th, 20th and 21st June 2018, 9.30 AM to 4.00 PM

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, temperature sensor etc.

Course Contents

Module 1: Introduction to microprocessor and microcontroller, Introduction to Embedded systems, 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.

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)

Speakers

Prof. Pushkar Sathe

Prof. Hema Raut

Registration Fees

Course Fees: FREE

(Cost of certificate will be applicable)

Contact for Registration

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