Activity Report
"Guest Lecture – 8051 Microcontroller: Demo on Programming & interfacing using KEIL"

Academic Year: 2019-20   Semester: I

Name of Event: Guest Lecture

Date of Conduction: 9th October, 2019

Time: 8.30am To 10.30 am

Targeted Audience: SE E& TC Students

Number of Participants: 50

Venue: A-307, I²IT campus

Topic: "8051 Microcontroller: Demo on Programming & interfacing using KEIL"

Resource Person: Mr. Mohd. Salman Sadique, Embedded Developer, Fountlab, Pune

Coordinator: Dr. Varsha Degaonkar

Objectives:
- To describe addressing modes, instruction set of 8051 and to execute instructions
- To Identify the pins/ ports for interfacing sensor, LCD etc with microcontroller
- To Implement simple application using controller
- To use serial communication for interfacing peripheral

Outcomes:
- Use serial communication for interfacing of peripherals with microcontroller.
- Identify microcontroller interrupts by reading suitable registers.
- Execute microcontroller program using suitable assembly language code.
- Demonstrate simple real world application using embedded system.

Activity Description:

    The guest lecture for subject Digital Electronics was organized for second year students from Electronics & Telecommunication Department. The demonstration session conducted by guest course enhanced the understanding of using 8051 microcontroller for implementing applications using it. The session covered:

- Basics of 8051 microcontroller
- How to program in C and Assembly language
- LED & LCD interfacing
- Serial communication
- Use of KEIL software.

Event Photos:

Image 1:Mr. Salman Sadique welcome.

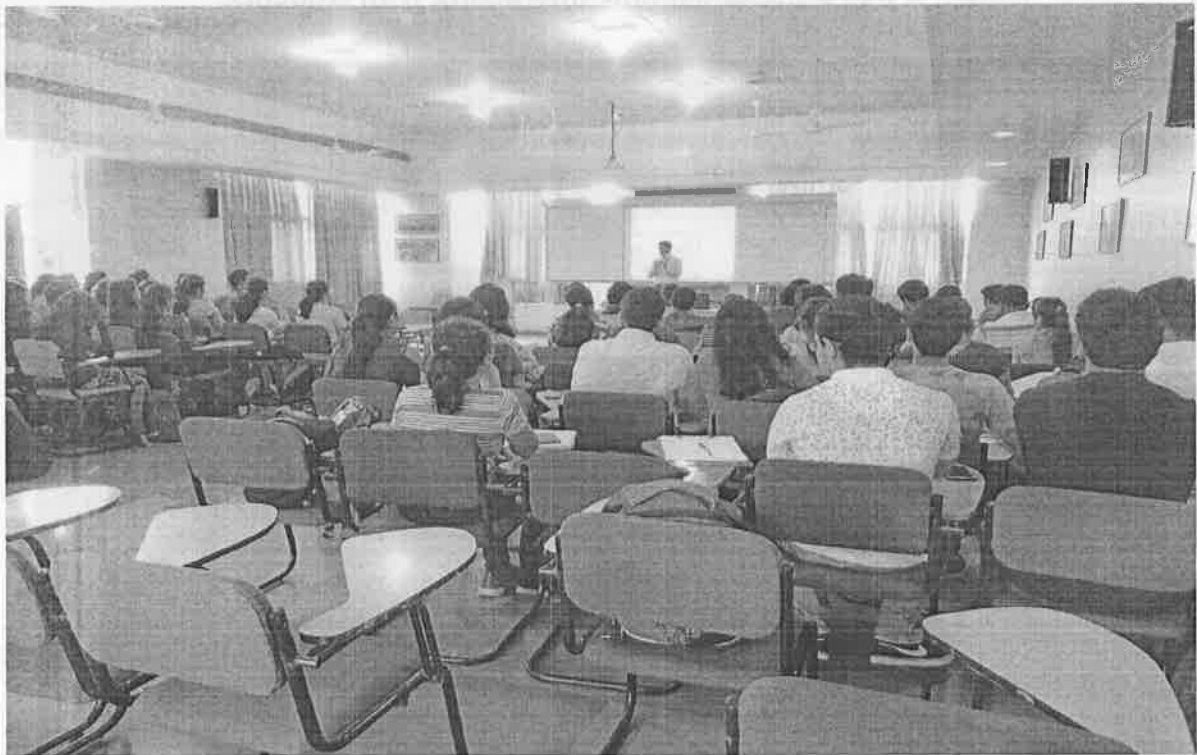Image 2: Mr. Salman Sadique interacting with students

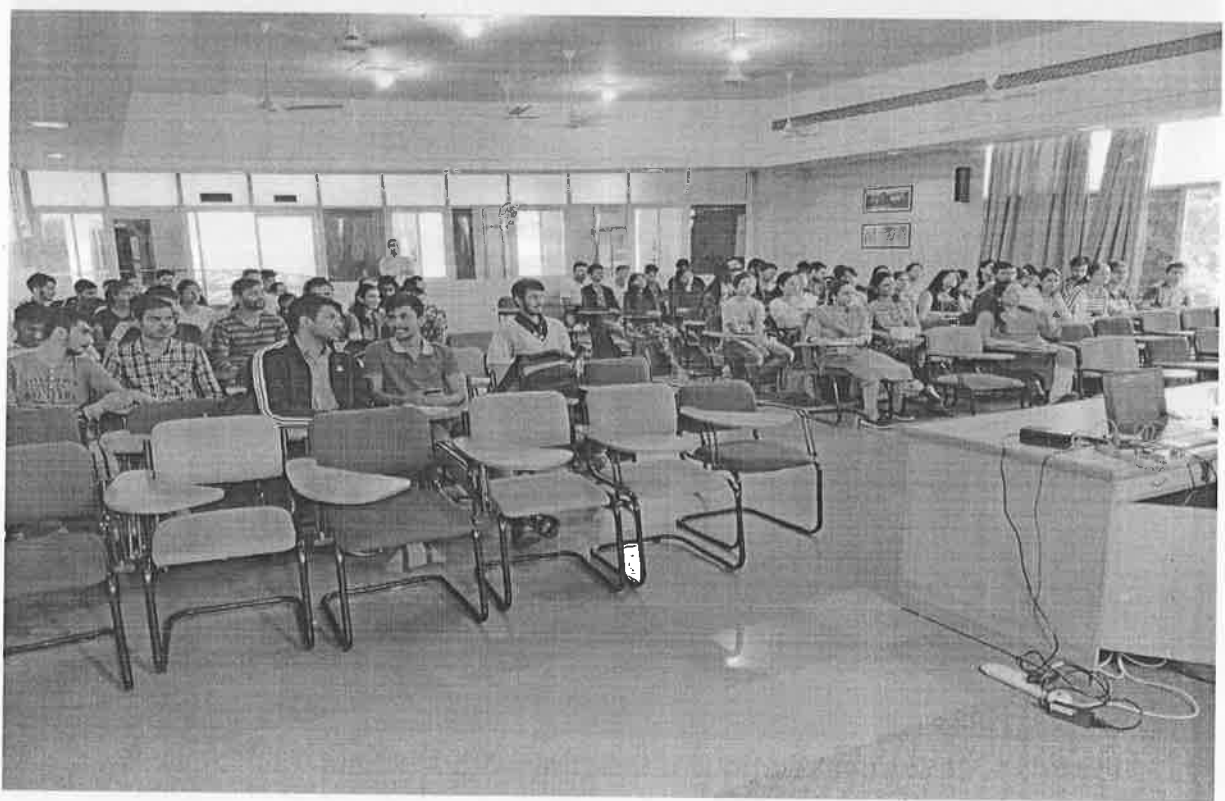Image 3: Mr. Salman Sadique interacting with students

Image 4: Mr. Salman Sadique interacting with students.

Image 5: Mr. Salman Sadique demonstrating students the interfacing

Image 6: Mr. Salman Sadique thanks giving by HoD.

Dr. Varsha Degaonkar
Subject Teacher

Dr. Risil Chhatrala
Head of Department