Pre-Workshop Material link - PreWorkshopMaterial

Important Note : Kindly Install Keil uVision tool before start of the workshop. Installation details are given in Keil_and_Flip_tool_guide.pdf present in PreWorkshopMaterial

NPTEL hands-on lab course on Pt-51 board based on 8051 Architecture

Lectures will be taken by Prof Virendra Singh (Professor, EE@IIT Bombay) and Mr. Suryakant Toraskar (Research Scholar, EE@IIT Bombay)

Date	9:30 am - 11 am	11:15 am - 12:45 am	2 pm - 3:30 pm	3:45 pm - 5:15 pm
5-June-2023	Lecture- Introduction to 8051 ISA	Introduction to Keil by RAs	Problem Set1 Assembly Language programming	
6-June-2023	Problem Set2 Assembly Language programming			Introduction to Pt-51 by RAs
7-June-2023	Problem Set3	Lecture on LCD Interfacing	Problem Set3 Assembly Language programming	
8-June-2023	Lecture on Timer	Problem Set4 on pt-51 board.		
9-June-2023	Quiz (9-11 am) in Assembly	Introduction to embedded C	Problem Set5 on LCD interfacing in C.	
10-June-2023	Complete left over experiments + Homework			
11-June-2023	Complete left over experiments + Study Keypad Interfacing Handout			
12-June-2023	Session on KeyPad Interfacing (RAs)	Problem Set6 in C on KeyPad Interfacing		
13-June-2023	Problem Set6 in C (Contd..)	Lecture on Interrupts	Problem Set7 in C on Timer Interrupts	
14-June-2023	Problem Set7 in C on Timer interrupts (contd.)	Lecture on Serial Communication	Problem Set8. Tone generation	
15-June-2023	Problem Set8. Tone generation(contd.)	Session on UART	Problem Set9 in C on UART	
16-June-2023	Continuation to Problem Set9 or Backlog completion + Doubts Solving		End of course examination on Interfacing in C	