

Lesson Plan

Name of Faculty	:	Dr. Suman Rani, Assistant Professor
Discipline	:	ECE
Semester	:	4 th
Subject	:	Microprocessors and Microcontrollers (PC/ECE/41-T)
Lesson Plan Duration	:	15 weeks
Work Load (Lecture/Practical) per week (in hours):		Lectures-02

Week	Theory		Actual Covered	Signature
	Lecture Day	Topic (Including Assignment/Test)		
1 st	1	Study of architecture of 8085 & familiarization with its hardware, commands & operation of Microprocessor kit.(GP-01)		
2 nd	2	Write a program using 8085 for addition of two 8-bit numbers. (GP-01)		
3 rd	3	Write a program using 8085 for addition of two 8-bit numbers with carry.(GP-01)		
4 th	4	Write a program using 8085 for subtraction of two 8-bit numbers (display borrow)		
5 th	5	Write a program using 8085 for subtraction of two 16-bit numbers (display borrow).		
6 th	6	Write a program using 8085 for multiplication of two 8- bit numbers by repeated addition method.		
7 th		1st Viva Voce		
8 th	7	Write a program using 8085 for multiplication of two 8- bit numbers by bit rotation method and verify.		
9 th	8	Write a program using 8085 for division of two 8- bit numbers by repeated subtraction method and testfor typical data.		
10 th	9	Write a program using 8085 for dividing two 8- bit numbers by bit rotation method and test for typical data.		
11 th	10	Study of architecture of 8086 & familiarization with its hardware, commands & operation of Microprocessor kit.		
12 th	11	Write a program to interface a two digit number using seven-segment LEDs using of 8051 Microcontroller.		
13 th	12	Write programs to generate waveforms and interface ADC and DAC using of 8051 Microcontroller		
14 th		2nd Viva Voce		
15 th	13	Write a program to interface a LCDs using of 8051 Microcontroller. (CBS)		