Lesson Plan

Name of Faculty : Dr. Suman Rani, Assistant Professor
Discipline : CSE
Semester : 4th
Subject : Microprocessors and Interfacing (PC/CSE/41-T)
Lesson Plan Duration : 15 weeks
Work Load (Lecture/Practical) per week (in hours): Lectures-03

Week	Theory		Actual Covered	Signature
	Lecture Day	**Topic (Including Assignment/Test)**		
1st	1	**UNIT-1 Introduction to Microprocessor**		
	2	microprocessor 8085 Architecture,		
	3	Pin configuration, Instruction set		
2nd	4	Interrupt Structure		
	5	Architecture of 8086: block diagram of 8086,		
	6	details of sub-blocks such as EU, BIU;		
3rd	7	memory segmentation		
	8	physical address computations,		
	9	Program relocation.		
4th	10	**UNIT-2** Addressing modes, Instruction Format		
	11	Pin Diagram & description of various signal		
	12	Instruction execution timing, assembler instruction format		
5th	13	Data transfer Instructions		
	14	Arithmetic Instructions		
	15	Branch & Loop Instruction		
6th	16	NOP and HLT instruction		
	17	Flag Manipulation instructions		
	18	Logical Instructions		
7th		**1st Minor Test**		
8th	19	Shift & rotate instruction		
	20	Directive and operators		
	21	**Unit- 3** : Assembler directives		
9th	22	Programming with an assembler		
	23	Programing examples		
	24	Coding style		
10th	25	The art of assembly language programming		
	26	Interrupts		
	27	Introduction to stack		
11th	28	Stack structure of 8086		
	29	Introduction to subroutines		
	30	BIOS (Basic input output system)		
12th	31	**Unit- 4** The 8255 PPI Chip		
	32	Architecture		
	33	Control word and modes and examples		
13th	34	Introduction to DMA process		
	35	8237 DMA controller		
	36	8255 & 8237 revision		
14th		**2nd Minor Test**		
15th	37	MCQ Based on unit1		
	38	MCQ Based on unit 2		
	39	MCQ Based on unit 3 & 4		