

Lesson Plan of the 5th semester for session 2021 -2022

Name of the faculty: Ms. Ayushi Chahal
Designation : Assistant professor
Discipline : Computer Science and Engg.
Semester : 5th
Subject : **MICROPROCESSOR (ESC-CSE-301G)**
Lesson Plan duration : 15 weeks
Work Load per week in hours: Lectures- 03, Practical-02

Week	Lecture day	Topic (Including Assignment/Test)
UNIT - I		
1	1	Introduction to microprocessor
	2	8085 microprocessor
	3	Architecture
2	4	Instruction set
	5	Instruction set
	6	Interrupt structure
3	7	Assembly language programming
	8	Assembly language programming
	9	Assembly language programming
4	10	The 8086 microprocessor architecture
	11	Block diagram of 8086,
	12	Details of sub-blocks such as EU, BIU
5	13	Revision
	14	Memory segmentation
	15	physical address computations,
6	16	Program relocation
	17	Addressing modes
	18	Instruction formats
7	19	Pin diagram and description of Various signals
	20	Instruction execution timing
	21	Test
8.	22	Assembler instruction format

	23	Data Transfer instructions
	24	Arithmetic instructions
9.	25	Branch instructions
	26	looping instructions
	27	Revision
10.	28	NOP and HLT instructions,
	29	flag manipulation instructions
	30	flag manipulation instructions
11	31	logical instructions
	32	Shift and rotate Instructions
	33	Shift and rotate Instructions
12.	34	Directives and operators
	35	Programming examples
	36	Programming examples
13.	37	8255 Programmable peripheral interface
	38	Interfacing keyboard and Seven segment display
	39	Test
14.	40	8254 (8253) programmable interval timer
	41	8259A programmable interrupt controller
	42	Revision
15	43	Direct Memory Access
	44	8237 DMA controller.
	45	Revision