

Name of Faculty-RAJESH KUMAR  
 Discipline- Electronics Engineering  
 Semester- 5th  
 Subject- (1621501) ,MICROPROCESSOR & APPLICATION  
 Lesson Plan Duration Work Load (Lecture)-17 Weeks  
 Lecture per week: 3 Lecture

Week	Lecture Day	Unit	Theory (Topic)	LINK
1	1	1	<b>INTRODUCTION 8085:</b>	
	2		Architecture & Pin Diagram.	
	3		Chip Architecture	
2	4		Register Structure.	
	5		Memory Addressing,8085 Addressing Modes.	
	6		8085 Instruction sets.	
3	7		8085 Instruction timing and execution	
	8		8085 Interrupt System	
	9		8085 D M A	
4	10		8085 S I D & S O D lines	
	11		Test	
	12	Assignment.		
5	13	2	<b>MICROPROCESSOR SOFTWARE CONCEPTS:</b>	
	14		Instruction formats,Addressing Modes	
	15		Instruction Types.	
6	16		Data Transfer Instructions.	
	17		Arithmetic Instructions.	
	18		Logical Instructions.	
7	19		Prog. Control Instructions.	
	20		Input / Output Instructions.	
	21		Introduction to assembly language programming.	
8	22		Test	
	23		Assignment.	
	24	<b>PERIPHERAL INTERFACING AND TIMERS:</b>		
9	25	Intel 8251		
	26	8255		
	27	8253		
10	28	8259 chips.		
	29	555 Timers.		
	30	<b>ASSEMBLY LANGUAGE PROGRAMMING</b>		
11	31	4		
	32		Test/ Assignment	
	33		<b>A/D AND D/A CONVERTERS:</b>	
12	34		Successive approx type A/D	
	35		Counter type A/D.	
	36		Dual Slope Type A/D.	
13	37		Sample and Hold Circuits A/D.	
	38		Test/ Assignment	
	39		<b>INTRODUCTION TO ADVANCED MICROPROCESSORS</b>	
14	40		8085, 68000	
	41		Z800- Brief discussion of each	
	42	Architecture of Intel 8086		
15	43	Instruction Set.		
	44	Addressing Modes.		
	45	Advanced features.Stacks.		
16	46	Test/ Assignment		
	47	<b>APPLICATIONS.</b>		
	48	A few examples.		
17				