Subject: Microprocessor & Applications   Branch: Electronics Engg.

Subject Code: 1621501   Semester: 3rd

Sr. No	Topic Covered		Hrs/Week
1.	**Introduction to 8085**		10
	Topics Covered	Hrs/Week	
	Architecture and Pin Diagram	1	
	Chip Circuit	1	
	Register structure	1	
	Memory addressing	1	
	8085 Addressing Modes	1	
	8085 Instruction sets	1	
	8085 Instruction timing & execution	1	
	8085 Interrupt system	1	
	8085 DMA	1	
	8085 SID and SOD lines	1	
2.	**Microprocessor software Concepts**		10
	Topics Covered	Hrs/Week	
	Instruction format	1	
	Addressing Modes	1	
	Instruction Types	1	
	Data transfer instructions	1	
	Arithmetic Instructions	1	
	Logical Instructions	1	
	Prog. Control Instructions	1	
	Input /Output Instructions	1	
	Introduction to Assembly language programming	1	
	Assembly language programming	1	
3.	**Peripheral Interfacing And Timers**		05
	Topics Covered	Hrs/Week	
	Intel 8251	1	

	Intel 8255	1	
	Intel 8253	1	
	Intel 8259	1	
	555 Timers	1	

	Assembly Language programming		
4.	**Topics Covered**	**Hrs/Week**	
	Assembly language programming	1	
	Assembly language syntax	1	05
	Assembly language terminology	1	
	Assembly language key concepts	1	
	Assembly language design and use	1	

	A/D and d/A Converters		
5.	**Topics Covered**	**Hrs/Week**	
	Introduction	1	
	Successive approx type A/D	1	
	Counter type A/D	1	05
	Dual slope type A/D	1	
	Slide and Hole Circuits A/D	1	

	Introduction to Advanced Microprocessor		
6.	**Topics Covered**	**Hrs/Week**	
	Introduction to advanced microprocessor	1	
	Brief discussion of some advanced microprocessor	1	
	8085	1	
	68000	1	
	Z-800	1	10
	Architecture of Intel 8086	1	
	Instruction Set	1	
	Addressing Modes	1	
	Advanced Features	1	
	Stacks	1	

7.	Applications		05
	Topics Covered	**Hrs/Week**	
	Examples	5	

By:Naincy priya

Guest Lecturer

G.P. Vaishali