

Discipline: EE		Semester: 5th	Name of the Teaching Faculty: Rudra Prasad Abanda	
Subject: Digital electronics of micro processor		No of Days/Week Class Allotted: 4	Semester From date: 15.09.22 To date: 17.01.23	No. of Weeks: 15
WEEK	Class Day	Theory Topics		
	1st	Introduction to digital electronics		
	2nd	Number system		
	3rd	Interconversion of number system.		
	4th	Binary Arithmetic		
	5th			
	1st	Signed numbers		
	2nd	Subtraction using complement method		
	3rd	Binary code		
	4th	EX-3 code Gray code		
	5th			
	1st	Logic Gates and truth table		
	2nd	Universal Gate and Implementation		
	3rd	DeMorgan's Law, problems		
	4th	Boolean algebra		
	5th			

WEEK	Class Day	Theory Topics
	1st	Applications of Flip-Flop
	2nd	Counters, types of counters
	3rd	4-bit Asynchronous counter
	4th	Decade counter
	5th	
	1st	4-bit synchronous counter
	2nd	Registers and its type
	3rd	Working of SISO and SIPO Register
	4th	Working of PIPO and PISO Register
	5th	
	1st	Class Test-1
	2nd	Introduction to microprocessor and microcomputer
	3rd	Architecture of 8085
	4th	Registers of 8085
	5th	

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Subject:		No of Days/Week Class Allotted: _____	Semester From date: _____ To date _____	No. of Weeks:
WEEK	Class Day	Theory Topics		
	1st	class Test question discussion		
	2nd	PIN description of 8085		
	3rd	PTN Description of 8085		
	4th	Stack, Stack Pointer And Stack Top		
	5th			
	1st	Interrupts		
	2nd	OPCODES, Operands, Instruction size		
	3rd	Instruction Set, DATA transfer group		
	4th	Addressing modes		
	5th			
	1st	Instruction cycle, Fetch cycle main and sub cycle And T- state.		
	2nd	Timing diagram of Fetch cycle (memory Read and memory write cycle)		
	3rd	Timing diagram of MOV, MVI And LDA Instruction.		
	4th	Counter and Time delay.		
	5th			




WEEK	Class Day	Theory Topics
	1st	
	2nd	
	3rd	
	4th	
	5th	
	1st	
	2nd	
	3rd	
	4th	
	5th	
	1st	
	2nd	
	3rd	
	4th	
	5th	