

DSM (Monsoon 2024)
Course Calendar
Faculty: Dr. Anil, Dr. Anshu and Dr. Hari

GRADING :

Tutorial Test/Quiz - 20

Mid Exam - 20

End Exam - 30

Lab - 30 marks (20 marks for final exam, 10 marks for report submission)

Lecture	Date	Topic	Practice problems	Remarks
1		Introduction and base conversions	Text book problems 1.1 to 1.13	
2		Binary numbers and base conversions, example problems solving	Text book problems 1.1 to 1.13	
3		Complements of numbers	Text book problems on complements	
4		Signed binary numbers		
5		Binary codes		
6		Boolean Algebra	Chapter 2 related problems	
7		Canonical form	Chapter 2 related problems	

8		BStandard form	Chapter 2 problems	
9		Logic gates	Chapter 2 problems	
10		K-Maps	Chapter 3 Practice problems.	
11		Logic implementations 1	Chapter 3 Practice problems	
12		Logic implementations 2	Chapter 3 Practice problems	
13		Combinational logic 1	4.31,4.32, 4.33,4.34,4.35	
14		Combinational logic 3	4.1 to 4.9	
15		Combinational circuits 4	4.10 to 4.19	
16		Combinational circuits 2	4.20,	
17		Combinational and Sequential circuits 1	4.23 to 4.29	
18		Sequential circuits 2		
19		Sequential circuits 3		
20		Sequential circuits 4		

21		Sequential circuits 5		
22		Registers and counters - 1		
23		Registers and counters - 2		
24		Registers and counters - 3		
25		Memory architecture 1		
26		Memory architecture 2		
27		Memory architecture 3		
28		Processor design -1		
29		Processor design -2		
30		Processor design -3		
31		Processor design -4		
32		Processor design -5		
33		Processor design -6		
34		Processor design -7		
35		Overview of the course.		