

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		
4		Signed binary numbers		
5		Binary codes		
6		Boolean Algebra		
7		Binary logic		

8		Boolean functions		
9		Logic gates		
10		K-Maps		
11		Logic implementations 1		
12		Logic implementations 2		
13		Combinational logic 1		
14		Combinational logic 2		
15		Combinational circuits 1		
16		Combinational circuits 2		
17		Sequential circuits 1		
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.		