

Lesson Planning for the semester started w.e.f. 5TH Jan, 2018.

Name of Institute :- Sat Kabir Institute of Technology and Management, Ladrawan (Jhajjar)

Name of teacher with designation :- MANOJ KUMAR, A.P.

Department :- E.C.E.

Month	Class	Topic/Chapter Covered	Academic Activity	Test/Assignment
JAN	ECE-4 TH Sem	<u>DE</u> :-> Digital System and Binary numbers (2 weeks). Gate-level Minimization - K Map (2 weeks).	Ppt Section revision	Assignment in 3 rd week Test in 4 th week
JAN	ECE-6 TH Sem	<u>MWR</u> :-> Introduction to waveguides (2 weeks). Modes in waveguides - TE & TM modes (2 weeks)	Ppt Section revision	Assignment in 3 rd week Test in 4 th week
JAN	M.Tech 2 nd Sem	<u>WMC</u> :-> Introduction to mobile radio systems (2 weeks). Channel assignment strategies, Microcell (2 weeks)	Ppt Section revision	Assignment in 3 rd week Test in 4 th week
FEB	ECE-4 TH Sem	<u>DE</u> :-> Combinational Logic, design procedure (2 weeks). MUX, DEMUX, encoders, decoders, adder (2 weeks).	Ppt Section revision	Assignment in 3 rd week Test in 4 th week
FEB	ECE-6 TH Sem	<u>MWR</u> :-> Microwave components & Tubes (2 weeks). TWT, BWO, circulators, Klystron, Isolators (2 weeks)	Ppt Section revision	Assignment in 3 rd week Test in 4 th week
FEB	M.Tech 2 nd Sem	<u>WMC</u> :-> Mobile Radio Propagation mechanisms (2 weeks). Propagation Model types, Diversity Techniques (2 weeks)	Ppt Section revision	Assignment in 3 rd week Test in 4 th week
MAR	ECE-4 TH Sem	<u>DE</u> :-> Synchronous Sequential logic - flip-flops, design (2 weeks). Registers & Counters - ripple counter, shift reg. (2 weeks)	Ppt Section revision	Assignment in 3 rd week Test in 4 th week
MAR	ECE-6 TH Sem	<u>MWR</u> :-> Microwave Solid State Device & Measurements (2 weeks). IMPATT, PIN diodes, Microwave Bridges (2 weeks)	Ppt Section revision	Assignment in 3 rd week Test in 4 th week
MAR	M.Tech 2 nd Sem	<u>WMC</u> :-> Introduction to spread spectrum techniques (2 weeks). Introduction to multiple access techniques (2 weeks)	Ppt Section revision	Assignment in 3 rd week Test in 4 th week

Manoj Kumar

Signature of the teacher concerned with date

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Month	Class	Topic/Chapter Covered	Academic Activity	Test/Assignment
JAN	4 th	DE Lab :- 1 Introduction to DE Lab		
		2 Implementation of boolean function	Practicals to be performed	File to be checked
		3 Verification of state tables		
	6 th	MWR Lab :- 1 Study wave guide components.		
		2 Measure frequency of microwave source	Practicals to be performed	File to be checked
		3 Measure VSWR of unknown load.		
FEB	4 th	DE Lab :- 1 Implementation of decoder & encoder		
		2 Implementation of multiplexer using logic gates	Practicals to be performed	File to be checked
		3 Implementation of 4-bit parallel adder.		
	6 th	MWR Lab :- 1 Study of characteristics of gunn oscillator.		
		2 Insulation & coupling co-efficient of coupling T.	Practicals to be performed	File to be checked
		3 Measurement of attenuation of attenuator.		
MAR	4 th	DE Lab :- 1 Design 4-bit synchronous counter.		
		2 Design 4-bit asynchronous counter	Practicals to be performed	File to be checked
		3 Static & dynamic characteristics of NAND gate.		
	6 th	MWR Lab :- 1 Study of waveguide horn & its radiation pattern		
		2 Study working of MIC components	Practicals to be performed	File to be checked
		3 Measurement of guide wavelength, free space wavelength.		
APR	4 th	DE Lab :- 1 Study of arithmetic logic unit.		
		2 Practical problems and viva.	Practicals to be performed.	File to be checked
	6 th	MWR Lab :- 1 Measurement of SWR in Microwave TX line.	Practicals to be performed	File to be checked
		2 Practical problems and viva.		

Signature of the teacher concerned with date
Manoj Kumar