

UTKAL GOURAV MADHUSUDAN INSTITUTE OF TECHNOLOGY, RAYAGADA
Academic Lesson Plan for summer semester- 2024

Name of the teaching faculty :Sarita Bauri
 Semester:4th
 No. of periods per week: 3
 End Semester Examination-50

Discipline / Dept.: **EE**
 Subject(PRATICAL): **AE**
 Total Period :45
 Sessional : 25

Week	Period	UNIT/CHAPTER	TOPIC TO BE COVERED
1 ST	1 st	EXPERIMENT 1	Determine the input and output Characteristics of CE & CB transistor configuration
	2 nd		
	3 rd		
2 ND	1 st	EXPERIMENT2	Determine Drain & Transfer Characteristics of JFET
	2 nd		
	3 rd		
3 RD	1 st	EXPERIMENT3	Construct Bridge Rectifier using different filter circuit and to determine Ripple factor & analyze wave form with filter & without filter
	2 nd		
	3 rd		
4 TH	1 st	EXPERIMENT4	Construct Bridge Rectifier using different filter and to determine Ripple factor
	2 nd		
	3 rd		
5 TH	1 st	EXPERIMENT5	Construct & test the regulator using Zener diode
	2 nd		
	3 rd		
6 TH	1 st	EXPERIMENT6	Construct different types of biasing circuit and analyze the wave form (i) Fixed bias (ii) Emitter bias (iii) Voltage divider bias
	2 nd		
	3 rd		
7 TH	1 st	EXPERIMENT7	Study the single stage CE amplifier & find Gain
	2 nd		
	3 rd		
8 TH	1 st	EXPERIMENT8	Study multi stage R-C coupled amplifier & to determine frequency- response & gain
	2 nd		
	3 rd		
9 TH	1 st	EXPERIMENT9	. Construct & Find the gain of Class A. Amplifier
	2 nd		

	3 rd		
10 TH	1 st	EXPERIMENT10	Construct & find the gain of Class B. Amplifier & Class C Tuned Amplifier
	2 nd		
	3 rd		
11 TH	1 st	EXPERIMENT11	Construct & test push pull amplifier & observe the wave form
	2 nd		
	3 rd		
12 TH	1 st	EXPERIMENT12	Construct & calculate the frequency of (i) Hartley Oscillator (ii) Collpit's Oscillator
	2 nd		
	3 rd		
13 TH	1 st	EXPERIMENT13	. Construct & calculate the frequency of Wien Bridge Oscillator & R-C phase
	2 nd		
	3 rd		
14 TH	1 st	EXPERIMENT14	Construct & Test Differentiator and Integrator using R-C Circuit shift oscillator and draw wave form & calculate the frequency
	2 nd		
	3 rd		
15 TH	1 st	EXPERIMENT15	Study Multivibrator (Astable, Bistable, Monstable) Circuit & Draw its Wave forms
	2 nd		
	3 rd		

This is done by the concerned faculty.

Miss Sarita Bauri
GUEST FACULTY, ELECTRICAL ENGG.