



**GOVT. POLYTECHNIC KORAPUT
DEPARTMENT OF ELECTRICAL ENGG.**

Pr2. ANALOG ELECTRONICS LAB

Name of the Course: Diploma in Electrical Engineering			
Name of the Faculty: S Bichiballi			
Course code:	Pr2	Semester	4 th
Total Period:	45	Examination	3 hrs
Lab. periods:	3 P / week	Sessional	25
Maximum marks:	75	End Semester Examination:	50

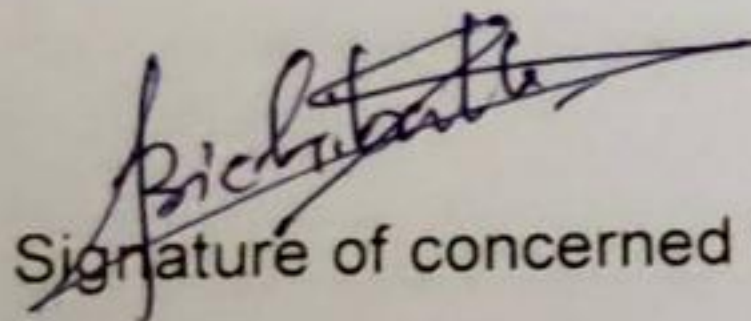
LESSON PLAN

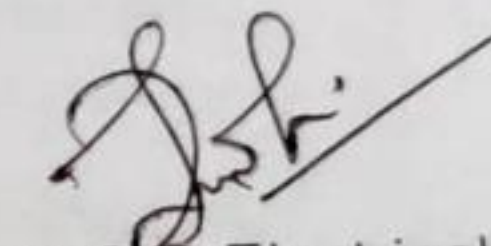
Week	Day	Experiment
1 st	1 st	Determine the input and output Characteristics of CE & CB transistor configurations.
	2 nd	
	3 rd	
2 nd	1 st	Determine Drain & Transfer Characteristics of JFET.
	2 nd	
	3 rd	
3 rd	1 st	Construct Bridge Rectifier using different filter circuits, determine Ripple factors and analyze waveforms with filter & without filter.
	2 nd	
	3 rd	
4 th	1 st	Construct & test the regulator using Zener Diode.
	2 nd	
	3 rd	
5 th	1 st	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	
6 th	1 st	Study the single stage CE amplifier & find gain.
	2 nd	
	3 rd	
7 th	1 st	Study multi stage R-C coupled amplifier, determine frequency response & gain.
	2 nd	
	3 rd	
8 th	1 st	Construct & Find the gain I. Class A Amplifier II. Class B Amplifier III. Class C Tuned Amplifier.
	2 nd	
	3 rd	
9 th	1 st	Construct & test Push Pull Amplifier & observer the waveform.
	2 nd	



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10 th	3 rd	Construct & calculate the frequency, draw waveform & calculate the frequency of I. Hartly Oscillator II. Collpit's Oscillator.
	1 st	
	2 nd	
11 th	3 rd	Construct & calculate the frequency, draw waveform & calculate the frequency of I. Wein Bridge Oscillator II. R-C phase shift Oscillator.
	1 st	
	2 nd	
12 th	3 rd	Construct & test Differentiator and Integrator using R-C Circuit.
	1 st	
	2 nd	
13 th	3 rd	Study Multivibrator (Astable, Bistable, Monstable) Circuit & Draw its Waveforms.
	1 st	
	2 nd	
14 th	3 rd	Left out experiments
	1 st	
	2 nd	
15 th	1 st	Assessment


Signature of concerned faculty


H.O.D Electrical