DEPARTMENT OF ELECTRICAL ENGINEERING
Govt. Polytechnic Jajpur, Ragadi

LAB LESSON PLAN FOR ACADEMIC SESSION - 2024-25
ANALOG ELECTRONICS LAB

Course Code: PR-2	**Semester : 4TH**
Total Periods : 45	**Examination : 3 Hours**
Theory Periods : 3 P/Week	**Internal Assessment : 20 Marks**
Maximum Marks: 100	**End Semester Examination : 80 Marks**
Semester From Date: 04/02/2025 To 17/05/2025	
Name of Teaching Faculty: SRI. PRASANTA KUMAR MOHAPATRA	

WEEK	GROUP	TOPIC
1st	1st	Determine the input and output Characteristics of CE & CB transistor configuration
	2nd	Determine the input and output Characteristics of CE & CB transistor configuration
2nd	1st	Determine Drain & Transfer Characteristics of JFET
	2nd	Determine Drain & Transfer Characteristics of JFET
3rd	1st	Construct Bridge Rectifier using different filter circuit and to determine Ripple factor & analyze wave form with filter & without filter.
	2nd	Construct Bridge Rectifier using different filter circuit and to determine Ripple factor & analyze wave form with filter & without filter.
4th	1st	Construct Bridge Rectifier using different filter and to determine Ripple factor
	2nd	Construct Bridge Rectifier using different filter and to determine Ripple factor
5th	1st	Construct & test the regulator using Zener diode
	2nd	Construct & test the regulator using Zener diode
6th	1st	Construct different types of biasing circuit and analyze the wave form (i) Fixed bias (ii) Emitter bias (iii) Voltage divider bias
	2nd	Construct different types of biasing circuit and analyze the wave form (i) Fixed bias (ii) Emitter bias (iii) Voltage divider bias
7th	1st	Study the single stage CE amplifier & find Gain
	2nd	Study the single stage CE amplifier & find Gain
8th	1st	Study multi stage R-C coupled amplifier & to determine frequencyresponse & gain
	2nd	Study multi stage R-C coupled amplifier & to determine frequencyresponse & gain
9th	1st	Construct & find the gain (i) Class A. Amplifier (ii) Class B. Amplifier (iii) Class C Tuned Amplifier

	2nd	Construct & find the gain (i) Class A. Amplifier (ii) Class B. Amplifier (iii) Class C Tuned Amplifier
10th	1st	Construct & test push pull amplifier & observer the wave form
	2nd	Construct & test push pull amplifier & observer the wave form
11th	1st	Construct & test push pull amplifier & observer the wave form shift oscillator and draw wave form & calculate the frequency
	2nd	Construct & test push pull amplifier & observer the wave form shift oscillator and draw wave form & calculate the frequency
12th	1st	Construct & Test Differentiator and Integrator using R-C Circuit
	2nd	Construct & Test Differentiator and Integrator using R-C Circuit
13th	1st	Study Multivibrator (A stable, Bistable, Monstable) Circuit & Draw its Wave forms
	2nd	Study Multivibrator (A stable, Bistable, Monstable) Circuit & Draw its Wave forms
14th	1st	REVISION
	2nd	REVISION
15th	1st	REVISION
	2nd	REVISION