

LESSON PLAN FOR Analog Electronics Practical(Th2)		
Discipline: Electrical Engineering	Semester: 4th	Name of the Teaching Faculty: Mr. Sarat Kumar Sahoo (Sr. Lect. In ETC)
Subject: Analog Electronics Lab	No. of days per week class allotted: 3	Semester From Date : 16/01/2024 to Date: 26/04/2024 No. of Weeks: 15
Week	Class Day	Theory/Practical Topic
1st	1st	Introduction to COURSE CONTENT
2nd	2nd	1. Determine the input and output Characteristics of CE & CB transistor configuration
3rd	3rd	2. Determine Drain & Transfer Characteristics of JFET
4th	4th	3. Construct Bridge Rectifier using different filter circuit and to determine Ripple factor & analyze wave form with filter & without filter.
5th	5th	4. Construct Bridge Rectifier using different filter and to determine Ripple factor.
6th	6th	5. Construct & test the regulator using Zener diode
7th	7th	6. Construct different types of biasing circuit and analyze the wave form (i) Fixed bias (ii) Emitter bias (iii) Voltage divider bias
8th	8th	7. Study the single stage CE amplifier & find Gain
9th	9th	8. Study multi stage R-C coupled amplifier & to determine frequency-response & gain.
10th	10th	9. Construct & Find the gain (I) Class A. Amplifier (ii) Class B. Amplifier (iii) Class C Tuned Amplifier
11th	11th	10. Construct & test push pull amplifier & observe the wave form
12th	12th	11. Construct & calculate the frequency of (i) Hartly Oscillator (ii) Collpit's Oscillator (iii) Wein Bridge Oscillator (iv) R-C phase shift oscillator and draw wave form & calculate the frequency
13th	13th	12. Construct & Test Differentiator and Integrator using R-C Circuit
14th	14th	13. Study Multivibrator (Astable, Bistable, Monstable) Circuit & Draw its Wave forms
15th	15th	LAB Test.

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Academic co-ordinator

Signature of Faculty