

LESSON PLAN**ACADEMIC LESSON PLAN OF SUMMER-2024**

Discipline:EE	Semester: 4th	Name of the Teaching Faculty: BIBHU PRASAD DAS
Subject:Analog Electronics & Op-amp Lab	No of Days /per week class allotted: 3hrs/week	Semester from : 16/01/2024 to 30/04/2024 No of weeks: 14
Week	Class Day	Theory / Practical Topics
1st	1st	Construct & test the regulator using Zener diode
2nd	1st	Construct Bridge Rectifier using different filter circuit and to determine Ripple factor & analyze wave form with filter & without filter.
3rd	1st	Construct Bridge Rectifier using different filter and to determine Ripple factor.
4th	1st	Determine the input and output Characteristics of CE & CB transistor configuration
5th	1st	Construct different types of biasing circuit and analyze the wave form (i) Fixed bias (ii) Emitter bias (iii) Voltage divider bias
6th	1st	Study the single stage CE amplifier & find Gain
7th	1st	Study multi stage R-C coupled amplifier & to determine frequency- response & gain.
8th	1st	Construct & Find the gain (I) Class A. Amplifier
9th	1st	Construct & Find the gain (i) Class B. Amplifier (ii) Class C Tuned Amplifier
10th	1st	Construct & test push pull amplifier & observe the wave form
11th	1st	Construct & calculate the frequency of (i) Hartly Oscillator (ii) Collpit's Oscillator and draw wave form & calculate the frequency
12th	1st	Construct & calculate the frequency of (i) Wein Bridge Oscillator (ii) R-C phase shift oscillator and draw wave form & calculate the frequency
13th	1st	Determine Drain & Transfer Characteristics of JFET
14th	1st	Construct & Test Differentiator and Integrator using R-C Circuit
15 th (Extra)	1st	Study Multivibrator (Astable, Bistable, Monstable) Circuit & Draw its Wave forms

Bibhu Prasad Das

Signature of the faculty