DEPARTMENT OF ELECTRICAL ENGINEERING
ORISSA SCHOOL OF MINING ENGINEERING KEONJHAR
Website- www.osme.co.in
Email- osmeelectricaldept@gmail.com

LESSON PLAN

Discipline- Electrical Engineering	Semester- 4th	Name of the Teaching Faculty- ER SHRADHA PATRA		
Practical- Analog Electronics Lab Practical Code- Pr2	No. of days/week lab allotted- 01	Semester From Date: 14/02/2023 To Date: 23/05/2023 Number of weeks- 15		
MONTH	WEEK	NO. OF PERIODS AVAILABLE	CLASS DAY	EXPERIMENTS TO BE CONDUCTED
FERRUARY	1st	03	17/02/2023	Construct & test the regulator using Zener diode
	2nd		24/02/2023	1) Construct Bridge Rectifier using different filter circuit and to determine Ripple factor& analyze wave form with filter & without filter. 2) Construct Bridge Rectifier using different filter and to determine Ripple factor.
MARCH	3rd		03/03/2023	1)Determine Drain & Transfer Characteristics of JFET 2)Construct & Test Differentiator and Integrator using R-C Circuit
	4th		10/03/2023	Determine the input and output Characteristics of CE & CB transistor configuration
	5th		17/03/2023	Construct different types of biasing circuit and analyze the wave form (i)Fixed bias (ii) Emitter bias (iii) Voltage divider bias
	6th		24/03/2023	Study the single stage CE amplifier & find Gain
	7th		31/03/2023	Study multi stage R-C coupled amplifier & to determine frequency-response & gain.
APRIL	8th		21/04/2023	Construct & Find the gain (I) Class A. Amplifier (ii) Class B. Amplifier (iii) Class C Tuned Amplifier
	9th		28/04/2023	Construct & test push pull amplifier & observer the wave form

MAY	**10th**		12/05/2023	1)Construct & calculate the frequency of- 1)Hartly Oscillator (ii) Collpit's Oscillator (iii) Wein Bridge Oscillator (iv) R-C phase shift oscillator and draw wave form & calculate the frequency 2) Study Multivibrator (Astable, Bistable, Monstable) Circuit & Draw its Wave forms

Total lab periods = 30 out of 45

Shradha
10/02/2023

SHRADHA PATRA
PTGF ELECTRICAL DEPT
OSME KEONJHAR

10/2/23

HOD
ELECTRICAL DEPT
OSME KEONJHAR

PRINCIPAL
OSME KEONJHAR