

**BIT POLYTECHNIC, BALASORE**  
**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION**  
**LESSON PLAN**

SUBJECT: ANALOG ELECTRONICS & LINEAR IC LAB

BRANCH: E&TC

NAME OF THE FACULTY: Er. Goutam Dutta

SEMESTER: 4<sup>TH</sup>

SL.NO	CLASS NO.	TOPIC TO BE COVERED
	4	Demonstration on determine the forward and reverse characteristics of 2 types of diode.
	7	Demonstration on design of bridge rectifier using filter circuit and observe the output with & without capacitor filter using breadboard.
	11	Demonstration on study the input & output characteristics of Common Emitter connection using trainer kit.
	14	Demonstration on study the input & output characteristics of Common Base connection using trainer kit.
	18	Demonstration on study the 2-stage RC coupled amplifier, find gain and draw frequency response curve by using trainer kit .
	22	Demonstration on Determine drain and transfer characteristics of JFET.
	26	Demonstration on Determine drain and transfer characteristics of MOSFET.
	27	Demonstration on study the OP-AMP IC 741 and draw its pin diagram
	30	Demonstration on design draw and calculate the frequency of wein bridge oscillator.
	39	Study multivibrator (astable, bistable and monostable) circuit and draw its waveform using IC555 timer.
	42	PRACTICE
	45	GRAND VIVA