

LESSON PLAN

DEPARTMENT OF ELECTRICAL ENGINEERING, ITT, CHOUDWAR

SUBJECT: **Electronics Lab** Periods: 3 per week

SEMESTER: 3rd

NAME OF FACULTY: **Mr. T R Sahoo & Mrs. S Pattnaik**

ACADEMIC YEAR.2020-2021

Semester Start date: 15.09.2022

No. of weeks: 15

Week	Class	Experiments
1st	1st	Familiarization with CRO & Familiarization of resistors by comparing using color codes and DMM
2 nd	2 nd	Study of VI – Characteristics Diode
3 rd	3 rd	Half wave rectifiers and Full wave rectifiers with and without filters
4 th	4 th	Bridge rectifiers with and without filters
5 th	5 th	Zener diode characteristic & Zener diode as regulator
6 th	6 th	Positive and negative clipper circuit using diodes
7 th	7 th	Positive and negative clampers using diodes.
8 th	8 th	Voltage double
9 th	9 th	Transistor Characteristics (i) I_c VS I_B (ii) V_{BE} VS I_B (iii) V_{BE} VS I_c
10 th	10 th	Transistor Biasing with voltage divider
11 th	11 th	Transistor as switch using LED and photo diode
12 th	12 th	CE amplifier, frequency response and Bandwidth
13 th	13 th	Characteristics OF FET – Trans conductance
14 th	14 th	JFET as switch & Amplifier
15 th	15 th	Analog multiplexer using JFET. Input and Transfer Characteristics of MOSFET