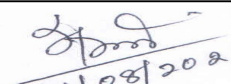


ACADEMIC LESSON PLAN OF WINTER 2023

Discipline: ETC	Semester: 5 th Sem	Name of the Teaching Faculty: SOMA DASH and Smaranika Dalai
Subject: ANALOG & DIGITAL COMMUNICATION LAB	No. of days/per week class allotted: 3p(3hr)/week	Semester From: 1 st Aug 2023 to 30 th Nov 2023 No. of Weeks: 17 weeks
Week	Class Day	Practical Topics
1 st	1 st	Introduction
2 nd	1 st	Exp-1 Construct the circuit in AM transmitter & Detector Trainer Board/Kit and observe the waveform at different test point & Determine percentage of Modulation Index of AM.
3 rd	1 st	Exp-2 Construct the circuit in FM transmitter & Detector Trainer Board/Kit & observe the waveform at different section.
4 th	1 st	Exp-3 Construct the circuit in sampling theorem Trainer Board/Kit & observe the waveform at different section.
5 th	1 st	Exp-4 Construct the circuit in PCM transmitter & receiver Trainer Board/Kit & observe the waveform at Different section.
6 th	1 st	Exp-5 Construct the circuit in ASK modulator & demodulator Trainer Board/Kit & observe the waveform at different section.
7 th	1 st	Exp-6 Construct the circuit in FSK modulator & demodulator Trainer Board/Kit & observe the waveform at different section.
8 th	1 st	Exp-7 Construct the circuit in PSK modulator & demodulator Trainer Board/Kit & observe the waveform at different section.
9 th	1 st	Exp-8 Construct the circuit in Delta modulator & demodulator Trainer Board/Kit & observe the waveform at different section.
10 th	1 st	Exp-9 Construct the circuit in Super heterodyne radio receiver & observe the waveform at different section & do the alignment (Self Study)
11 th	1 st	Exp-10 Mini project: The students will collect the detail specification and Catalogue of all equipment used and submit at end of session. Perform a transmitter & receiver using array modulation system..Continue..
12 th	1 st	Exp-10 Mini project: The students will collect the detail specification and Catalogue of all equipment used and submit at end of session. Perform a transmitter & receiver using array modulation system.
13 th	1 st	Lab Practice
14 th	1 st	Lab Practice
15 th	1 st	Lab Practice
16 th	1 st	Sessional
17 th	1 st	Sessional


 01/08/2023

Signature of Teaching Faculty