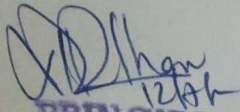


PNS SCHOOL OF ENGINEERING AND TECHNOLOGY, MARSHAGHAI, KENDRAPARA
LESSON PLAN

Branch: Electrical Engineering Subject: Pr-3 Power ETC Lab.	Sem-5th No. of days per week: 2 Class Allotted: 45	Name of the teaching faculty: Anjana Tripathy Semester From Date :01.07.2025 to 15.11.2025 No. of weeks : 14
MONTH	WEEK	PRATICAL TOPIC
July	1st	Study of switching characteristics of a power transistor
	2nd	Study of V-I Characteristics of SCR
	3rd	Study of V-I Characteristics of TRIAC
August	4th	Study of V-I Characteristics of DIAC
	4th	Study of Drive Ckt for SCR & TRIAC using DIAC
	5th	Study of Drive Ckt for SCR & TRIAC using UJT
	5th	To study phase controlled bridge rectifier using resistive load
	6th	To study series inverter
	6th	Study of voltage source inverter
September	7th	To perform the speed control of DC Motor using chopper
	7th	To study single-phase cyclo-converter
	8th	Introduction/ Familiarization PLC Trainer & its Installation with PC
	8th	Learn the basics and hardware components of PLC
	9th	Understand configuration of PLC System
October	10th	Study various building blocks of PLC
	11th	Determine the No. of digital I/O and Analog I/O
	11th	Execute the different Ladder Diagrams.
November	12th	Execute the different Ladder Diagram preparation down loading and running
	12th	Execute Ladder diagrams for different logical gates.
	13th	Execute Ladder diagrams using timers and counters.
	14th	Execute Ladder diagrams with model applications.
	14th	DOL Starter costar-Delta Starter Ostair Case Lighting Traffic light controller

SIGNATURE OF H.O.D

SIGNATURE OF DEMONSTRATOR


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 Mani Vihar, Marshaghai, Kendrapara