



SRI CHANDRASEKHARENDRASARASWATHI VISWA MAHAVIDHYALAYA
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ODD SEMESTER FOR THE ACADEMIC YEAR 2020-21 - LECTURE PLAN
IV YEAR EEE VII SEMESTER

Sno	DAY	Session			
		FN(10am to 11.30am)	Topic to be covered	AN(2pm to 3.30pm)	Topic to be covered
1	10/8/2020	COMPUTER AIDED POWER SYSTEM ANALYSIS	Need for system analysis in planning and operation of power system	UTILIZATION AND CONSERVATION OF ELECTRICAL ENERGY	Production of light
2	11/8/2020	PLC AND SCADA	UNIT -I PROGRAMMABLE LOGIC CONTROLLER - INTRODUCTION- BLOCK DIAGRAM	ELECTRIC DRIVES	UNIT-I Introduction to Electric Drives, Basic Concept
3	12/8/2020	POWER QUALITY	Introduction to power quality-Definitions:power quality-voltage quality-Power quality issues:Short duration voltage variations-Long duration voltage variations	EMBEDED SYSTEMS	Introduction to Embedded Systems
4	13/8/2020	UTILIZATION AND CONSERVATION OF ELECTRICAL ENERGY	Lighting calculations	COMPUTER AIDED POWER SYSTEM ANALYSIS	Distinction between steady state and transient state – per phase analysis of symmetrical three- phase system.
5	14/8/2020	ELECTRIC DRIVES	Types of Electric Drives, AC drives, DC drives, Group drives, Individual drives, Comparison	PLC AND SCADA	PLC -Digital input and output module
6	17/8/2020	EMBEDED SYSTEMS	The ARM Architecture Overview	POWER QUALITY	Transients-Waveform distortion-Voltage imbalance, Voltage fluctuation-Power frequency variations
7	18/8/2020	COMPUTER AIDED POWER SYSTEM ANALYSIS	per phase analysis of symmetrical three- phase system - problems	UTILIZATION AND CONSERVATION OF ELECTRICAL ENERGY	Determination of MHCP and MSCP
8	19/8/2020	PLC AND SCADA	PLC- ANALOG INPUT AND OUTPUT MODULE	ELECTRIC DRIVES	Variable speed drives, requirements,various duty cycles of Electric Drives
9	20/8/2020	POWER QUALITY	Sources and Effects of power quality problems-Power quality terms	EMBEDED SYSTEMS	Instruction Set Summary Processor operating states
10	21/8/2020	UTILIZATION AND CONSERVATION OF ELECTRICAL ENERGY	Polar curves of different types of sources-Rousseau's construction	COMPUTER AIDED POWER SYSTEM ANALYSIS	per phase analysis of symmetrical three- phase system - problem
11	22/8/2020	ELECTRIC DRIVES	Mechanical Characteristics of Electric Drives, Heating and Cooling of Electric machines	PLC AND SCADA	PLC- PROCESSOR AND POWER SUPPLY MODULE
12	24/8/2020	EMBEDED SYSTEMS	Instruction Set – Arithmetic Instructions Instruction Set – Logical Instructions	POWER QUALITY	Power quality and Electro Magnetic Compatibility (EMC)
13	25/8/2020	COMPUTER AIDED POWER SYSTEM ANALYSIS	General aspects relating to power flow, short circuit per unit representation	UTILIZATION AND CONSERVATION OF ELECTRICAL ENERGY	Photometer-interior and exterior illumination systems
14	26/8/2020	PLC AND SCADA	SPECIAL MODULES, PLC OPERATION	ELECTRIC DRIVES	Rating of Electric motors ,
15	27/8/2020	POWER QUALITY	IEEE Standards for power quality	EMBEDED SYSTEMS	Instruction Set – Data Transfer Instructions
16	28/8/2020	UTILIZATION AND CONSERVATION OF ELECTRICAL ENERGY	Lighting schemes	COMPUTER AIDED POWER SYSTEM ANALYSIS	General aspects relating to stability analysis - per representation problems
17	29/8/2020	ELECTRIC DRIVES	Selection of Electric motors for various applications	PLC AND SCADA	logic sensor acuator
18	31/8/2020	EMBEDED SYSTEMS	Add Programme based on instruction set Subtraction Programme based on instruction set	POWER QUALITY	IEC Standards for power quality

SUBCODE	SUBJECT NAME	Staff Name
EE7T1	Computer Aided Power System Analysis	Dr.S.Prabakaran
EE7T2	Utilization and Conservation of Electrical Energy	Dr.M.Rathinakumar
EE7T3	PLC AND SCADA	Mr S.Raja
EE7T4	Electric Drives	Dr.R.Malathi
EE7EB	Power Quality	Mrs.S.Renukadevi
EE7EL	Embeded Systems	Mrs.S.Bharathi