SRI CHANDRASEKHARENDRA SARASWATHI VISWA MAHAVIDHYALAYA
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ODD SEMESTER FOR THE ACADEMIC YEAR 2020-21 - LECTURE PLAN
III YEAR EEE V 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	Digital Signal Processing and its Applications	DIGITAL SIGNAL PROCESSING - INTRODUCTION - BLOCK DIAGRAM OF SIGNAL PROCESSING- TYPES OF SIGNAL -APPLICATION	Microprocessors and Microcontrollers	Evolution of microprocessor and its types. Features and architecture of 8086 microprocessor
2	11/8/2020	Control Systems	**UNIT-I: System &Their Representation:** Introdction to Control Systems(CS)- Basic Definitions in CS- Classification of CS- Medeling of systems- (i)Mechnanical Systems Modeling- Basics- (a)Mech-Translational systems,Basic elements- Differential equation of basic elements	Induction and Synchronous Machines	Construction(SF&RF)- types(Salient&Non-salient) - circuit model -alternator parametrs
3	12/8/2020	Power Systems - I [Modelling and Components]	structure of a power system, Bulk power grids and micro grids:	Open Elective I Electrical Materials	Emission – Superconductivity – Thermal conductivity of metals, Thermoelectric effects of metals.
4	13/8/2020	Microprocessors and Microcontrollers	8086 pin configuration. Instruction set of 8086-data transfer	Digital Signal Processing and its Applications	CLASSIFICATION OF SYSTEMS- STATIC VS DYNAMIC SYSTEMS
5	14/8/2020	Induction and Synchronous Machines	Armature reaction and voltage regulation of alternator	Control Systems	**UNIT-I:** Force Balance Equation Meck-Translational systems -Solving of Problems (1 & 2)
6	17/8/2020	Open Elective I Electrical Materials	Review of "structure of atom"- conductivity of metals Electrons mobility,	Power Systems - I [Modelling and Components]	review of three phase ststem, Generation: Conventional and renewable energy sources
7	18/8/2020	Digital Signal Processing and its Applications	TIME VARIANT VS TIME INVARIANT SYSTEMS - CAUSAL VS NON CASUAL SYSTEMS	Microprocessors and Microcontrollers	Instruction set of 8086- arithmetic instruction, Bit manupulation instruction
8	19/8/2020	Control Systems	**UNIT-I:** In Meck-Translational systems - Solving of Problems (3 & 4)	Induction and Synchronous Machines	Determination of voltage regulation - EMF, MMF
9	20/8/2020	Power Systems - I [Modelling and Components]	distributed energy resources,energy storage,T & D systems: line diagram	Open Elective I Electrical Materials	Review of "structure of atom"- conductivity of metals Electrons mobility,
10	21/8/2020	Microprocessors and Microcontrollers	Instruction set of 8086-Branch & loop instruction,process control & interrupt instruction	Digital Signal Processing and its Applications	LINEAR VS NONLINEAR SYSTEMS-RECURSIVE SYSTEMS
11	22/8/2020	Induction and Synchronous Machines	Determination of voltage regulation - Potier method	Control Systems	**UNIT-I: (ii)** Meck-Rotational systems - Torque Balance Equation :Meck-Translational systems - Solving of Problems (1 or 2)
12	24/8/2020	Open Elective I Electrical Materials	Energy levels of a molecule, Fermi - Dirac distribution.	Power Systems - I [Modelling and Components]	Power Transfer in AC circuits and Reactive Power.
13	25/8/2020	Digital Signal Processing and its Applications	STABLE SYSTEMS -CLASSIFICATION OF SIGNAL	Microprocessors and Microcontrollers	Interrupt of 8086 microprocessor. Addressind modes of 8086 microprocessor
14	26/8/2020	Control Systems	**UNIT-I:** (b). Modeling of Electrical Systems(ES) - Basic Elements in ES -	Induction and Synchronous Machines	synchronizing -methods of parallel operation
15	27/8/2020	Power Systems - I [Modelling and Components]	synchronous grids and Asynchronous interconnection	Open Elective I Electrical Materials	Dielectric properties, Polarisation
16	28/8/2020	Microprocessors and Microcontrollers	Assembly language programming of 8086	Digital Signal Processing and its Applications	PERIODIC VS APERIODIC SIGNAL,-POWER AND ENERGY SIGNAL
17	29/8/2020	Induction and Synchronous Machines	Introduction to Three Phase Induction Motor	Control Systems	Differential Equations-Balancing Equations - Solving of Problems in ES (1 or 2)
18	31/8/2020	Open Elective I Electrical Materials	Mechanisms of polarisation	Power Systems - I [Modelling and Components]	Analysis of simple three phase cirvcuits

Subject Name	Staff Name
Digital Signal Processing and its Applications	Mr S.Raja
Microprocessors and Microcontrollers	Mrs.P.Rajalakshmi
Control Systems	Dr.D.Vanitha
Induction and Synchronous Machines	Mr.M.Mahendran
Power Systems - I [Modelling and Components]	Mrs.S.Lavanya
Open Elective I Electrical Materials	Dr.N.Ashokkumar