

SRI VENKATESWARA COLLEGE OF ENGINEERING

COURSE DELIVERY PLAN - LABORATORY Page 1 of 2

Department of Electrical and Electronics Engineering		LP: EE18712
		Rev. No: 00
B.E/B.Tech/M.E/M.Tech : B.E., EEE	Regulation: 2018	Date:
PG Specialisation :		23/07/2021
Sub. Code / Sub. Name : EE18712 ADVANCED		

Session No*	List of Experiments		
GROUP 1: ELECTRICAL MACHINES AND CONTROL			
1	DSP based speed control of Switched Reluctance Motor		
2	Performance analysis of standalone and grid connected Induction generator.		
3	Simulation of permanent magnet synchronous motor fed by PWM		
4	Speed control of BLDC motor.		
5	Closed loop Speed control of DC Motor using PID controller		
	GROUP 2 : POWER SYSTEMS		
6	Modelling and Performance evaluation of Fixed and variable speed WTGs		
7	Load Frequency Control with wind energy conversion systems		
8	Simulation of Electric Vehicle Drive System.		
9	Simulation of Microgrid.		
10	Simulation of Photovoltaic power system		
	GROUP 3 : EMBEDDED AND NANOTECHNOLOGY		
11	Design and Implementation of Digital Thermometer using 8051 microcontrollers		
12	2 Implementation of white line following Firebird V robot		
13	Electrical Characterization of solar cell using DC Probe Station		
14	Electrical Characterization of Photodetector		
15	Electrical Characterization of Thin film transistor		
Content beyon	d syllabus (if any): PLC based control of AC/DC machines		

* Session Duration: 150 minutes



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Sub. Code / Sub. Name: EE18712 ADVANCED ELECTRICAL ENGINEERING LAB

	Prepared by		Approved by	
Signature		26	KR. Sarl	
Name	Dr.S.G.Bharathidasan	Dr.M.Sankar	Dr.KR.SANTHA	
Designation	ASP/EEE	AP/EEE	Vice Principal, Professor & HOD/EEE	
Date	23/07/202	21	23/07/2021	
Remarks*: As there is no change in previous semester (July 2021 - Dec 2021) Lessenplan, the same lessen plan is followed for this semester (July 2022 - Dec 20 Schhr Or Man Occup 26(7122, KR. Santha Dr. K. SANKAR Dr. R. KANNADASAN Dr. KR. SANTHA				
Remarks*: APLEEE APLEEE APLEEE VICE PRINCIPAL, PROF 2 HOD/EEE As there is no change in previous Armester (July 2022 - Dec 2022)				
* If the same lasson plan is followed for this semester (July 2023 - Dec 2023) mentioned and signed by the Faculty and the HOD				
Jon	the 11/07/23	M. SANKAR	KR. San 11-7-23	
	PIERE	M. SANKAR APLETE	DT. KR. SANTHA VICE PRINCIPAL, PROF & HOD/EEE	