PRESIDENCY UNIVERSITY

(Private University Estd. in Karnataka State by Act No. 41 of 2013)

PU-SoE-EEE 2022-23

Ref. No. PU/ SoE/ EEE /2022-23/VAC/CIR/01   11-01-2023

CIRCULAR

Sub: VALUE ADDED COURSES – OFFERED BY THE DEPT. OF EEE

This is to inform all the students of the 3rd, 5th, and 7th semesters of B. Tech (EEE), the following value-added courses will be offered by the department during the AY 2022-23 (Fall Semester):

Sl. No	Course Code	Course Name	Name of the Faculty
1.	EEEV005	Auto CAD for Electrical Engineers	Mr. Ravi V Angadi
2.	EEEV011	Introduction to Scilab for Engineers	Dr. V Joshi Manohar
3.	EEEV012	Synchronized Phasor Measurement in Grid using PMUs	Mr. Bishakh Paul
4.	EEEV013	Simulation of Power Electronics circuits using MATLAB Simulink, Python and LTSpice	Mr. K Sreekanth Reddy
5.	EEEV018	Introduction to MATLAB/Simulink	Dr. Jisha L K
6.	EEEV021	Modelling, Control & Simulation of a Micro grid based on PV and Battery System	Dr. Sumit Kumar Jha
7.	EEEV022	Introduction to Renewable Energy	Mrs. Priyanka Ray
8.	EEEV023	Electrical safety measures and Standards.	Dr Snehaprabha T V

All are informed to contact the respective course ICs of VAC based on your choice. The duration of the course is 30 hours.   All the students are encouraged to attend VAC as per the course instructor's schedule. A certificate will be awarded after successful completion of the course.
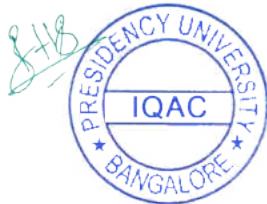
Dr. Joshi Manohar
HOD - EEE

City Office: University House, 8/1, King Street, Richmond Town, Bengaluru - 560025
Campus: Presidency University, Itgalpura, Rajanukunte, Bengaluru - 560064
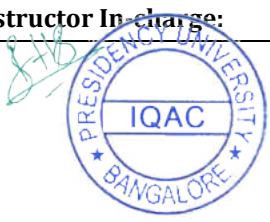**Phone**: + 80 4925 5533 / 5599 **Email ID**: info@presidencyuniversity.in
www.presidencyuniversity.in

School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course offered during the Odd Semester 2022-2023

Course Code:	EEEV005
Course Name:	Auto CAD for Electrical Engineers
Area of Specialization:	Electrcal Engineering
Course Description:	This course contains a detailed explanation of AutoCAD Electrical tools and features. Every tool and feature is thoroughly explained with the help of examples. After going through this course, you will be able to create professional electrical control drawings with ease such as ladder diagrams, schematic drawings, panel drawings, parametric and nonparametric PLC modules, point-to-point wiring diagrams, report generation, creation of symbols, Circuit Builder, Terminal symbols, and so on.
Course Outcome:	On successful completion of the course, the student shall be able to: CO.1. Explain all AutoCAD Electrical tools and features CO.2. Develop professional electrical control drawings with ease. CO.3. Create a Panel Drawings, Wiring Diagram and creation of symbol. CO.4. Explain the various types of wire selection and PLC selection in CAD.
Course Content:	**Module No 1:** Basics Of Electrical Drawings: Introduction, Need of Drawings, Electrical Drawings, Common Symbols in Electrical Drawings, Wire and its Types, Labeling. [5- Hours] **Module No 2:** Introduction to AutoCAD Electrical and Interface: Introduction, System Requirement, Starting AutoCAD Electrical/AutoCAD, Creating A New Drawing Document, Meaning of Default templates, Electrical Templates, Application Menu. Starting Drawing, Open Options, Opening Drawing File Save, Applying Password on File, Save As, Export, Publish, Print Drawing Tab Bar, Drawing Area, Command Window, Bottom Bar, Drafting Settings dialog box [8- Hours] **Module No 3:** Project Management: Introduction, Project Management, Workflow in AutoCAD Electrical, Starting a New Project, Changing Properties of a project, Adding drawings in the project, Retagging and renumbering ladders in the drawings of project, Plotting/publishing project files, INSERTING COMPONENTS: Inserting Components using Icon menu, Inserting Components using Catalog Browser, Inserting Components using User Defined list, Inserting Components using Equipment list, Inserting Components using Panel list, Inserting Components using Terminal (Panel list), Pneumatic, Hydraulic, and P&ID components [9- Hours] **Module No 4:** Wires, Circuits, and Ladders: Inserting Wires, Applying wire numbers, Inserting user defined circuits, Inserting ladders, Cable Markers, Circuit Builders. Plcs and Components: Introduction, Application of PLCs in manufacturing process, Inserting Parametric PLCs, Inserting PLCs (Full Unit), Inserting Connectors, Inserting Terminals. [8- Hours]
Instructor In-charge:	Mr. Ravi V Angadi

REGISTRAR

PRESIDENCY UNIVERSITY

School of Engineering
Department of Electrical & Electronics Engineering
AY 2022-23 (Odd Sem)
Value added Course(VAC) Name and Code: Auto CAD for Electrical Engineers & EEEV005
### Name of the Instructor: Mr. Ravi V Angadi
Attendance Sheet

S.No.	STUDENT ID NO	STUDENT NAME	Total classes conducted	Total classes attended	Percentage attended
1	20211EEE0037	KHALEEL H TELSUNG	30	25	83.33
2	20211EEE0038	HEMANT PANDIT	30	24	80.00
3	20211LEE0002	T PERUMAL	30	22	73.33
4	20211LEE0003	FAKIR SAEED SALIMSHA	30	25	83.33
5	20191EEE0012	KOMALA M E	30	22	73.33
6	20191EEE0013	KOTHAKOTA JAI RAMAKRISHNA	30	18	60.00
7	20191EEE0014	KRUTHIKA R	30	24	80.00
8	20191EEE0015	MANDADI KARTHIKEYAN REDDY	30	30	100.00
9	20191EEE0016	MOHAMMAD JAMEEL	30	22	73.33
10	20191EEE0017	MOHAMMAD ZAID FAROOQ	30	27	90.00
11	20191EEE0018	MOHAMMED NOORUDDIN ASRAR	30	3	10.00
12	20191EEE0019	MOKA ABHINASH	30	0	0.00
13	20191EEE0022	NANDA KISHORE KIRAN DESHPANDE	30	24	80.00
14	20191EEE0023	NAVYA N	30	24	80.00
15	20191EEE0024	NAVYA SHREE M	30	23	76.67
16	20191EEE0025	P ABHINAV	30	24	80.00
17	20191EEE0026	PERAM BHARGAV REDDY	30	23	76.67
18	20191EEE0028	PRAJWAL HOSAMANI	30	13	43.33
19	20191EEE0029	PRAJWAL T R	30	10	33.33
20	20191EEE0030	PRATHVIRAJ	30	18	60.00
21	20191EEE0031	PRUTHVIRAJ D KUDACHI	30	25	83.33

Signature of Course Instructor

REGISTRAR

School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course Marksheet

Course Code :	EEEV005		Academic Year :		2022-23	
Course Name :	AutoCAD for Electrical Engineers		Semester :		Odd Semester	
			Instructor-in-Charge Name:		Mr. Ravi V Angadi	
			Instructor-in-Charge Employee ID :		PUNIV01021	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20211EEE0037	KHALEEL H TELSUNG	SoE	83.33	85.5	Yes	
2	20211EEE0038	HEMANT PANDIT	SoE	80	Ab	No	Not Eligible for Certificate
3	20211LEE0002	T PERUMAL	SoE	73.33	Ab	No	Not Eligible for Certificate
4	20211LEE0003	FAKIR SAEED SALIMSHA	SoE	83.33	Ab	No	Not Eligible for Certificate
5	20191EEE0012	KOMALA M E	SoE	73.33	72	Yes	
6	20191EEE0013	KOTHAKOTA JAI RAMAKRISHNA	SoE	45	Ab	No	Not Eligible for Certificate
7	20191EEE0014	KRUTHIKA R	SoE	80	58.5	Yes	
8	20191EEE0015	MANDADI KARTHIKEYAN REDDY	SoE	100	81	Yes	
9	20191EEE0016	MOHAMMAD JAMEEL	SoE	73.33	Ab	No	Not Eligible for Certificate
10	20191EEE0017	MOHAMMAD ZAID FAROOQ	SoE	90	50	Yes	
11	20191EEE0018	MOHAMMED NOORUDDIN ASRAR	SoE	10	Ab	No	Not Eligible for Certificate
12	20191EEE0019	MOKA ABHINASH	SoE	0	Ab	No	Not Eligible for Certificate
13	20191EEE0022	NANDA KISHORE KIRAN DESHPANDE	SoE	80	Ab	No	Not Eligible for Certificate
14	20191EEE0023	NAVYA N	SoE	80	67.5	Yes	Not Eligible for Certificate
15	20191EEE0024	NAVYA SHREE M	SoE	76.67	67.5	Yes	Not Eligible for Certificate
16	20191EEE0025	P ABHINAV	SoE	80	Ab	No	Not Eligible for Certificate
17	20191EEE0026	PERAM BHARGAV REDDY	SoE	76.67	Ab	No	Not Eligible for Certificate
18	20191EEE0028	PRAJWAL HOSAMANI	SoE	43.33	Ab	No	Not Eligible for Certificate
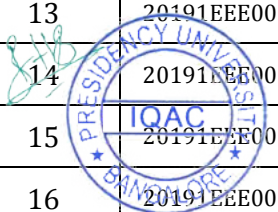
REGISTRAR

19	20191EEE0029	PRAJWAL T R	SoE	33.33	Ab	No	Not Eligible for Certificate
20	20191EEE0030	PRATHVIRAJ	SoE	60	Ab	No	Not Eligible for Certificate
21	20191EEE0031	PRUTHVIRAJ D KUDACHI	SoE	83.33	90	Yes	

Name of Course Instructor :   Mr. Ravi V Angadi

Employee ID of Course Instructor: PUNIV01021

Signature of Instructor-in-charge

Signature of HoD

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

IQAC

REGISTRAR

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

School of Engineering
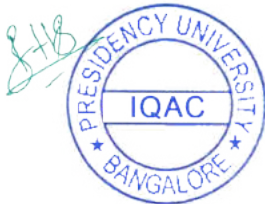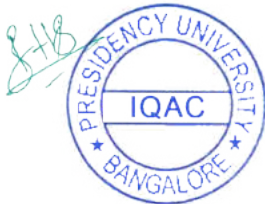## Department of Electrical & Electronics Engineering
Value Added Course offered during the Odd Semester 2022-2023

Course Code:	EEEV011
Course Name:	**Fundamentals of Scilab programming**
Area of Specialization:	Electrical Engineering
Course Description:	This course will introduce the basic concepts of scientific programming and simulations using Scilab. It will enable to perform numerical computations and analysis in all major scientific areas in all branches of engineering. This course requires the fundaments of basic mathematics. This course is designed for beginners and at the end the students will get the ability to perform scientific computations and Simulink model development using XCos environment.
Course Outcome:	On successful completion of the course, the student shall be able to: 1] Describe the SCILAB software environment. 2] Discuss the concepts of basic SCILAB programming for engineering applications 3] Demonstrate the implementation of Xcos Simulink Environment 4] Interpret data from datasheet and to perform statistical analysis.
Course Content:	**Module No 1: Introduction to Scilab environment-** Scilab datatypes, variables and constants , Functions in Scilab Changing axes properties in scilab plots Plotting Bar graphs in Scilab [5- Hours] **Module No 2:** Entering Matrices and basic matrix operations of addition and multiplication transpose. Generating Matrices, the load Function, M-Files, Deleting Rows and Columns, Solving linear algebraic equations in Scilab [8- Hours] **Module No 3:** statistical computations, statistical functions- sum, mean value, median, Standard deviation [9- Hours] **Module No 4: :** Scilab toolboxes for the analyzing the systems, Solving Differential Equations in Xcos,Transfer function approach to solve ODEs [8- Hours]
Instructor In-charge:	Dr Joshi Manohar V

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

School of Engineering
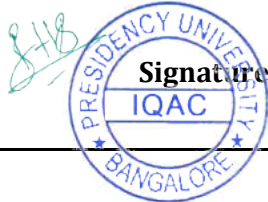## Department of Electrical & Electronics Engineering
AY 2022-23 (Odd Sem)
Value added Course(VAC) Name and Code: Fundamentals of Scilab programming & EEEV011
Name of the Instructor: Dr Joshi Manohar V
Attendance Sheet

S.No.	STUDENT ID NO	STUDENT NAME	Total classes conducted	Total classes attended	Percentage attended
1	20191EEE0053	RAHUL RAMESH PAMMAR	30	27	90.00
2	20191EEE0057	ZAID AHMED ZAUED HAMADAH	30	27	90.00
3	20191EEE0058	TOUFEEQ	30	28	93.33
4	20191EEE0059	SHABBEER AHMAD MUJAVAR	30	15	50.00
5	20191EEE0060	NAVEEN NELSON W	30	7	23.33
6	20191EEE9001	PRANEETH MADHAVAN	30	24	80.00
7	20191EEE9002	KIRAN MANOJ	30	16	53.33
8	20191EEE9003	SRINIVAS K	30	26	86.67
9	20191EEE9005	BARU V S TRIPURA MADHU DHEERAJ	30	7	23.33
10	20201LEE0002	SUBHAJIT BISWAS	30	26	86.67
11	20201LEE0004	PRAVEEN M	30	24	80.00
12	20201LEE0005	SUHEBAHAMED BALAGANUR	30	15	50.00
13	20201LEE0006	VINUTH GOWDA R	30	0	0.00
14	20201LEE0007	ASHWIN S	30	7	23.33
15	20201LEE0008	SUMAN V	30	16	53.33
16	20201LEE0009	BHARATH KUMAR S	30	16	53.33
17	20201LEE0010	MOHAMMED JAVED	30	21	70.00
18	20201LEE0011	GIRISH REDDY MAMILLA	30	7	23.33
19	20191EEE9006	MOHAMMED ZUHAIB	30	26	86.67

Signature of Course Instructor

REGISTRAR

School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course Marksheet

Course Code :	EEEV011		Academic Year :		2022-23
Course Name :	Fundamentals of Scilab programming		Semester :		Odd Semester
			Instructor-in-Charge Name:		Dr. V Joshi Manohar
			Instructor-in-Charge Employee ID :		PUNIV01153

S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20191EEE0053	RAHUL RAMESH PAMMAR	SoE	90.00	60	Yes	
2	20191EEE0057	ZAID AHMED ZAUED HAMADAH	SoE	90.00	55	Yes	
3	20191EEE0058	TOUFEEQ	SoE	93.33	46	Yes	
4	20191EEE0059	SHABBEER AHMAD MUJAVAR	SoE	50.00	15	No	Not Eligible for Certificate
5	20191EEE0060	NAVEEN NELSON W	SoE	23.33	7	No	
6	20191EEE9001	PRANEETH MADHAVAN	SoE	80.00	68	Yes	
7	20191EEE9002	KIRAN MANOJ	SoE	53.33	16	No	
8	20191EEE9003	SRINIVAS K	SoE	86.67	59	Yes	
9	20191EEE9005	BARU V S TRIPURA MADHU DHEERAJ	SoE	23.33	7	No	
10	20201LEE0002	SUBHAJIT BISWAS	SoE	86.67	53	Yes	
11	20201LEE0004	PRAVEEN M	SoE	80.00	54	Yes	
12	20201LEE0005	SUHEBAHAMED BALAGANUR	SoE	50.00	15	No	Not Eligible for Certificate
13	20201LEE0006	VINUTH GOWDA R	SoE	0.00	0	NO	Not Eligible for Certificate
14	20201LEE0007	ASHWIN S	SoE	23.33	7	No	Not Eligible for Certificate
15	20201LEE0008	SUMAN V	SoE	53.33	16	No	Not Eligible for Certificate
16	20201LEE0009	BHARATH KUMAR S	SoE	53.33	16	No	Not Eligible for Certificate
17	20201LEE0010	MOHAMMED JAVED	SoE	70.00	53	Yes	
18	20201LEE0011	GIRISH REDDY MAMILLA	SoE	23.33	7	No	

REGISTRAR

| 19 | 20191EEE9006 | MOHAMMED ZUHAIB | SoE | 86.67 | 48 | Yes | |

Name of Course Instructor :   Dr V Joshi Manohar

Employee ID of Course Instructor: PUNIV01153
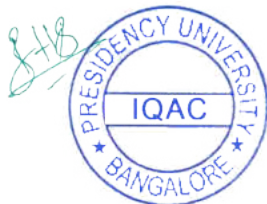
Signature of Instructor-in-charge

Signature of HoD

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

REGISTRAR

School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course offered during the Odd Semester 2022-2023

Course Code:	EEEV012
Course Name:	Synchronized Phasor measurement in Grid using PMUs
Area of Specialization:	Power Systems
Course Description:	This Course introduces to Phasor measurement unit (PMU) technology used for wide area grid monitoring to avoid blackout conditions. Advanced DSP algorithms are used to estimate the phasor value of voltage and current signals which helps in monitoring the dynamic nature of the power system. It develops analytical abilities in students with the help of Lab-VIEW Software.
Course Outcome:	On successful completion of the course, the student shall be able to: **01** Summarize the Power system Contingencies **02** Analyze phasor estimate for voltage and current for micro grid and conventional grid. **03** Explain the algorithm of recursive and non-recursive DFT **04** Compute and minimize the cost of reactive power consumption.
Course Content:	**Module 1: Fourier Transform** Introduction to fourier transform, phasor estimation using discrete fourier transform method, phasor estimation using non-recursive and recursive discrete fourier transform method in micro-grid and conventional grid **Module 2: Lab-VIEW Modelling of Signal processing Algorithms** Lab-view model and results using non-recursive DFT algorithm, lab-view model and results using recursive DFT algorithm **Module 3: Phasor measurement Unit** introduction to phasor measurement unit, hardware setup of phasor measurement unit and results, hardware setup using NI my-RIO, cost calculation on the basis of reactive energy consumption
Instructor In-charge:	Mr. Bishakh Paul

PRESIDENCY UNIVERSITY

School of Engineering
Department of Electrical & Electronics Engineering
AY 2022-23 (Odd Sem)
Value added Course(VAC) Name and Code: Synchronized Phasor measurement in Grid using PMUs & EEEV012
Name of the Instructor: Mr. Bishakh Paul
Attendance Sheet

S.No.	STUDENT ID NO	STUDENT NAME	Total classes conducted	Total classes attended	Percentage attended
1	20211LEE0009	PAVAN V	30	27	90.00
2	20211LEE0021	CHARAN P	30	27	90.00
3	20211LEE0022	MOHAMMED SHAH ALAM	30	28	93.33
4	20211LEE0023	PATEL CHIKKALINGE GOWDA	30	15	50.00
5	20211LEE0024	MAHESH M R	30	27	90.00
6	20211LEE0025	DARSHAN T C	30	24	80.00
7	20211LEE0026	ARUNA P	30	16	53.33
8	20211LEE0027	KUSHAL R	30	26	86.67
9	20211LEE0028	SHASHANK GOWDA K N	30	7	23.33
10	20211LEE0029	ABHI J T	30	24	80.00
11	20211LEE0030	BABITHA GAIKWAD G	30	15	50.00
12	20211LEE0031	RAMEGOWDA K T	30	15	50.00
13	20201EEE9001	BADR AGDULRAHMAN MOHQAMMED MANSOOR	30	0	0.00
14	20191EEE0001	ABHISHEK C	30	7	23.33
15	20191EEE0003	ANUSHA M JOLAD	30	16	53.33
16	20191EEE0004	ARUN S	30	16	53.33
17	20191EEE0005	ASFIYA AAZIM	30	21	70.00
18	20191EEE0006	ASHISH SINGH BHUMIJ	30	26	86.67
19	20191EEE0008	BINDHU D	30	26	86.67
20	20191EEE0009	DOKLA GHOUSE	30	16	53.33
21	20191EEE0010	EASHWAR V	30	17	56.67
22	20191EEE0011	KEERTHANA B R	30	24	80.00
	Signature of Course Instructor				

PRESIDENCY UNIVERSITY

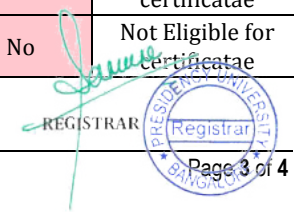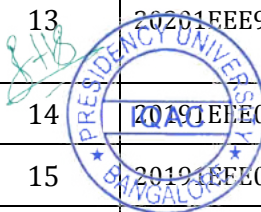(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course Marksheet

Course Code :	EEEV012		Academic Year :		2022-23	
Course Name :	Synchronized Phasor measurement in Grid using PMUs		Semester :		Odd Semester	
			Instructor-in-Charge Name:		Mr. Bishakh Paul	
			Instructor-in-Charge Employee ID :		PUNIV01021	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20211LEE0009	PAVAN V	SoE	90.00	85	Yes	
2	20211LEE0021	CHARAN P	SoE	90.00	83	Yes	
3	20211LEE0022	MOHAMMED SHAH ALAM	SoE	93.33	76	Yes	
4	20211LEE0023	PATEL CHIKKALINGE GOWDA	SoE	50.00	57	No	Not Eligible for certificatae
5	20211LEE0024	MAHESH M R	SoE	90.00	78	Yes	
6	20211LEE0025	DARSHAN T C	SoE	80.00	76	Yes	
7	20211LEE0026	ARUNA P	SoE	53.33	40	No	Not Eligible for certificatae
8	20211LEE0027	KUSHAL R	SoE	86.67	82	Yes	
9	20211LEE0028	SHASHANK GOWDA K N	SoE	23.33	38	No	Not Eligible for certificatae
10	20211LEE0029	ABHI J T	SoE	80.00	75	Yes	
11	20211LEE0030	BABITHA GAIKWAD G	SoE	50.00	28	No	Not Eligible for certificatae
12	20211LEE0031	RAMEGOWDA K T	SoE	50.00	32	No	Not Eligible for certificatae
13	20201EEE9001	BADR AGDULRAHMAN MOHQAMMED MANSOOR	SoE	0.00	61	No	Not Eligible for certificatae
14	20191EEE0001	ABHISHEK C	SoE	23.33	34	No	Not Eligible for certificatae
15	20191EEE0003	ANUSHA M JOLAD	SoE	53.33	37	No	Not Eligible for certificatae
16	20191EEE0004	ARUN S	SoE	53.33	34	No	Not Eligible for certificatae
17	20191EEE0005	ASFIYA AAZIM	SoE	70.00	39	No	Not Eligible for certificatae

REGISTRAR

18	20191EEE0006	ASHISH SINGH BHUMIJ	SoE	86.67	79	Yes	
19	20191EEE0008	BINDHU D	SoE	86.67	81	Yes	
20	20191EEE0009	DOKLA GHOUSE	SoE	53.33	63	No	Not Eligible for certificatae
21	20191EEE0010	EASHWAR V	SoE	56.67	87	Yes	
22	20191EEE0011	KEERTHANA B R	SoE	80.00	92	Yes	

Name of Course Instructor : Mr Bishakh Paul

Employee ID of Course Instructor: PUNIV00895

Signature of Instructor-in-charge

Signature of HoD

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
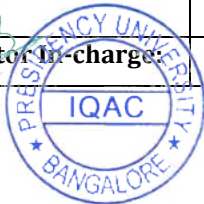Rajanukunte, Yelahanka, Bengaluru -64

IQAC
PRESIDENCY UNIVERSITY
BANGALORE

REGISTRAR

School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course offered during the Odd Semester 2022-2023

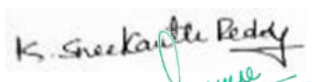|	
Course Code:	EEEV013
Course Name:	Simulation of Power Electronics circuits using MATLAB Simulink, Python and LTSpice
Area of Specialization:	Electrcal Engineering
Course Description:	This course is designed to allow you to simulate any power electronics device in MATLAB/Simulink and LT Spice including rectifiers, dc-to-dc converters, and inverters. The course also has a basic introduction on Python programming to help you with writing control code for electrical circuits. The course uses the free and open source circuit simulator Python Power Electronics. After going through this course, you will be able to create professional electrical power converter circuits for Electric vehicle applcations.
Course Outcome:	On successful completion of the course, the student shall be able to: CO.1.Recognize the importance of MATLAB, LT spice and its capabilities CO.2.Explain the simulation of AC-DC circuits using Simulink in MATLAB and LT spice. CO.3.Explain the simulation DC-DC and DC-AC converters using Simulink in MATLAB CO.4.Show the power electronics model for EV battery charging usingMATLAB Simulink
Course Content:	**Module No 1:** Basics of MATLAB Simulink,Generation of dfferent signals,phase delay, duty ratio of pulse Generators, Introduction to LT spice [5- Hours] **Module No 2:** MATLAB Simulink of AC-DC Converters, Single phase half wave, full wave, semi controlled and uncontrolled rectifiers, three phase full wave controlled rectifiers with different loads [8- Hours] **Module No 3:** MATLAB Simulink of DC-DC Converters, buck, boost converters, single phase inverters, three phase inverters with different load conditions, pulse width modulation techniques. [9- Hours] **Module No 4:** Buck converter using LT Spice, introduction to python, Basic RLC circuits using python, bidirectional converter model for charging battery of EV and current scenario of power electronic applications. [8- Hours]
Instructor In-charge:	Mr. K Sreekanth Reddy

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

School of Engineering
Department of Electrical & Electronics Engineering
AY 2022-23 (Odd Sem)
Value added Course(VAC) Name and Code: Simulation of Power Electronics circuits using MATLAB Simulink, Python and LTSpice & EEEV013
Name of the Instructor: Mr. K Sreekanth Reddy
Attendance Sheet

S.No.	STUDENT ID NO	STUDENT NAME	Total classes conducted	Total classes attended	Percentage attended
1	20211EEE0027	YASHWANTH KUMAR S	30	6	20.00
2	20211EEE0028	ADARSH A	30	27	90.00
3	20211EEE0029	CHETHAN S KATTI	30	24	80.00
4	20211EEE0030	JATIN SHARMA	30	7	23.33
5	20211EEE0031	TEJASHWINI ANNAPPAGOUDA PATIL	30	27	90.00
6	20211EEE0032	MANTHU NANDHINI	30	24	80.00
7	20211EEE0033	MOHAMMAD NABEEL ABBAS	30	7	23.33
8	20211EEE0036	DEEPAK DANIEL F	30	2	6.67
9	20211EEE0043	RISHIKA	30	10	33.33
10	20211EEE0052	YENNABOINA RAHUL	30	24	80.00
11	20211LEE0004	YOGENDRA	30	5	16.67
12	20211LEE0005	SANTHOSH V	30	5	16.67
13	20211LEE0006	PRABHAS M	30	24	80.00
14	20211LEE0007	SANJAY M K	30	7	23.33
15	20211LEE0008	MANOJ K P	30	3	10.00
16	20211LEE0010	ROHIT GURUNATH MATHAPATI	30	9	30.00
17	20211LEE0011	KISHORE TEJA S N	30	8	26.67
18	20211LEE0012	HAMSA SHREE R	30	24	80.00
19	20211LEE0015	NAGENDRA B	30	26	86.67
20	20211LEE0018	MURULI A V	30	24	80.00
21	20211LEE0019	G TARUN	30	24	80.00
22	20211LEE0020	SACHIN P	30	10	33.33

Signature of Course Instructor	
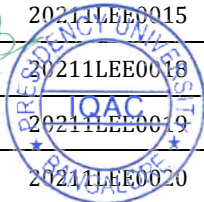
School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course Marksheet

Course Code :	EEEV013			Academic Year :		2022-23
Course Name :	Simulation of Power Electronics circuits using MATLAB Simulink, Python and LTSpice			Semester :		Odd Semester
				Instructor-in-Charge Name:		Mr. K Sreekanth Reddy
				Instructor-in-Charge Employee ID :		PUNIV00489

S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20211EEE0027	YASHWANTH KUMAR S	SoE	20.00	A	No	Not Eligible for Certificate
2	20211EEE0028	ADARSH A	SoE	90.00	74	Yes	
3	20211EEE0029	CHETHAN S KATTI	SoE	80.00	68	Yes	
4	20211EEE0030	JATIN SHARMA	SoE	23.33	37	No	Not Eligible for Certificate
5	20211EEE0031	TEJASHWINI ANNAPPAGOUDA PATIL	SoE	90.00	67	Yes	
6	20211EEE0032	MANTHU NANDHINI	SoE	80.00	76	Yes	
7	20211EEE0033	MOHAMMAD NABEEL ABBAS	SoE	23.33	40	No	Not Eligible for Certificate
8	20211EEE0036	DEEPAK DANIEL F	SoE	6.67	20	No	Not Eligible for Certificate
9	20211EEE0043	RISHIKA	SoE	33.33	38	No	Not Eligible for Certificate
10	20211EEE0052	YENNABOINA RAHUL	SoE	80.00	60	Yes	
11	20211LEE0004	YOGENDRA	SoE	16.67	28	No	Not Eligible for Certificate
12	20211LEE0005	SANTHOSH V	SoE	16.67	32	No	Not Eligible for Certificate
13	20211LEE0006	PRABHAS M	SoE	80.00	61	Yes	
14	20211LEE0007	SANJAY M K	SoE	23.33	34	No	Not Eligible for Certificate
15	20211LEE0008	MANOJ K P	SoE	10.00	37	No	Not Eligible for Certificate
16	20211LEE0010	ROHIT GURUNATH MATHAPATI	SoE	30.00	34	No	Not Eligible for Certificate
17	20211LEE0011	KISHORE TEJA S N	SoE	26.67	39	No	Not Eligible for Certificate
18	20211LEE0012	HAMSA SHREE R	SoE	80.00	60	Yes	

REGISTRAR

19	20211LEE0015	NAGENDRA B	SoE	86.67	79	Yes	
20	20211LEE0018	MURULI A V	SoE	80.00	63	Yes	
21	20211LEE0019	G TARUN	SoE	80.00	68	Yes	
22	20211LEE0020	SACHIN P	SoE	33.33	31	No	Not Eligible for Certificate

Name of Course Instructor : Mr. K Sreekanth Reddy
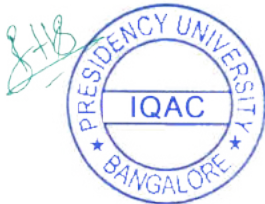
Employee ID of Course Instructor: PUNIV00489

Signature of Instructor-in-charge

Signature of HoD
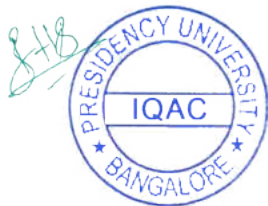
Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

IQAC

REGISTRAR

PRESIDENCY UNIVERSITY

School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course offered during the Odd Semester 2022-2023

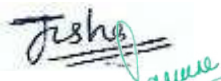|	
Course Code:	EEEV018
Course Name:	Introduction to MATLAB/Simulink
Area of Specialization:	Power Electronics, Control Systems
Course Description:	This course gives an introduction to MATLAB programming language and Simulink toolbox which is a graphical extension of MATLAB. This technical computing environment helps the students to involve in more intense problem solving applications and provides an opportunity to tackle realistic and more complicated problems.
Course Outcome:	On successful completion of the course, the student shall be able to: CO.1. Discuss the basic features of MATLAB development environment. CO.2. Summarize the MATLAB Graphical user interface. CO.3. Explain various toolboxes in engineering applications. CO.4. Construct Simulink block diagram for the given physical system.
Course Content:	**Module No 1:** Introduction to MATLAB, how to create variables in MATLAB, constructing M.Files, matrix operations, control flow, various arithmatic and logical operators, graphics, debugging of M.Files [8- Hours] **Module No 2:** Introduction to Simulink, various Simulink libraries, constructing Simulink block diagram [8- Hours] **Module No 3:** Toolboxes available in MATLAB: Control system toolbox, Simpower systems toolbox, Fuzzy logic toolbox, Neural network toolbox. [8- Hours] **Module No 4:** Simulation of various electrical and electronic circuits and block diagrams using Simulink [6- Hours]
Instructor In-charge:	Dr Jisha L K

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

School of Engineering
Department of Electrical & Electronics Engineering
AY 2022-23 (Odd Sem)
Value added Course(VAC) Name and Code: Introduction to MATLAB/Simulink & EEEV018
Name of the Instructor: Dr. Jisha L K

Attendance Sheet

S.No.	STUDENT ID NO	STUDENT NAME	Total classes conducted	Total classes attended	Percentage attended
1	20211EEE0024	ANIRUDH S	30	25	80%
2	20211EEE0025	RATHISH HOMBALE N	30	0	0%
3	20211EEE0039	AKASH K	30	2	7%
4	20211EEE0040	MOHAMED THABISH	30	0	0%
5	20211EEE0041	NAYANI POORNACHANDAN ROYAL	30	24	77%
6	20211EEE0042	ABHISHEK BASAVARAJ HAMPANNAVAR	30	0	0%
7	20211EEE0034	RAJANEESH B S	30	30	100%
8	20211EEE0044	MOHAMMED ABAR	30	0	0%
9	20211EEE0046	BASIL BINU	30	24	77%
10	20211EEE0047	G KIRAN KUMAR	30	100	100%
11	20211EEE0048	SAGAR D M	30	0	0%
12	20211EEE0050	BUDURI.YASWANTH	30	0	0%
13	20211EEE0051	HEMANTH MADIVADA	30	26	80%
14	20211EEE0035	V RAHUL BALAJIGA	30	0	0%
15	20211EEE0053	KARRI GOWRI ESWAR	30	0	0%
16	20211EEE0055	SETTIPALLI SAINATH	30	0	0%
17	20211EEE0056	SHREYAS	30	26	80%
18	20211EPE0002	SIRICHAPALA UDAY MALIK	30	0	0%
19	20221LEE0001	NANDYALA SIVA MANOJ REDDY	30	30	100%
20	20221LEE0002	CHINTHA MANJUNATH	30	30	100%
21	20221LEE0003	K TUNISH	30	28	93%
22	20221LEE0004	KUPPAM MANJUNATHA	30	26	80

Signature of Course Instructor	

School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course Marksheet

Course Code :	EEEV018		Academic Year :		2022-23
Course Name :	Introduction to MATLAB/Simulink		Semester :		Odd Semester
			Instructor-in-Charge Name:		Dr. Jisha L K
			Instructor-in-Charge Employee ID :		PUNIV01427

S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20211EEE0024	ANIRUDH S	SoE	80%	45	YES	
2	20211EEE0025	RATHISH HOMBALE N	SoE	0%	0	No	Not Eligible for certificate
3	20211EEE0039	AKASH K	SoE	7%	0	No	Not Eligible for certificate
4	20211EEE0040	MOHAMED THABISH	SoE	0%	0	No	Not Eligible for certificate
5	20211EEE0041	NAYANI POORNACHANDAN ROYAL	SoE	77%	44	YES	
6	20211EEE0042	ABHISHEK BASAVARAJ HAMPANNAVAR	SoE	0%	0	No	Not Eligible for certificate
7	20211EEE0034	RAJANEESH B S	SoE	100%	56	YES	
8	20211EEE0044	MOHAMMED ABAR	SoE	0%	0	No	Not Eligible for certificate
9	20211EEE0046	BASIL BINU	SoE	77%	58	YES	
10	20211EEE0047	G KIRAN KUMAR	SoE	100%	60	YES	
11	20211EEE0048	SAGAR D M	SoE	0%	0	No	Not Eligible for certificate
12	20211EEE0050	BUDURI.YASWANTH	SoE	0%	0	No	Not Eligible for certificate
13	20211EEE0051	HEMANTH MADIVADA	SoE	80%	60	YES	
14	20211EEE0035	V RAHUL BALAJIGA	SoE	0%	0	No	Not Eligible for certificate
15	20211EEE0053	KARRI GOWRI ESWAR	SoE	0%	0	No	Not Eligible for certificate

REGISTRAR

16	20211EEE0055	SETTIPALLI SAINATH	SoE	0%	0	No	Not Eligible for certificate
17	20211EEE0056	SHREYAS	SoE	80%	76	YES	
18	20211EPE0002	SIRICHAPALA UDAY MALIK	SoE	0%	0	No	Not Eligible for certificate
19	20221LEE0001	NANDYALA SIVA MANOJ REDDY	SoE	100%	54	YES	
20	20221LEE0002	CHINTHA MANJUNATH	SoE	100%	50	YES	
21	20221LEE0003	K TUNISH	SoE	93%	45	YES	
22	20221LEE0004	KUPPAM MANJUNATHA	SoE	80%	52	YES	

Name of Course Instructor :   **Dr. Jisha L K**
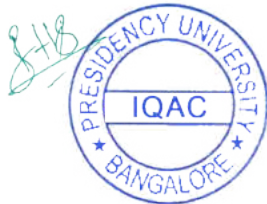
Employee ID of Course Instructor: PUNIV01427
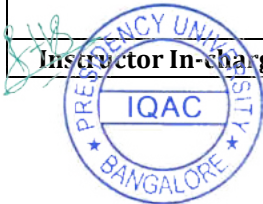
Signature of Instructor-in-charge

Signature of HoD

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

REGISTRAR

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course offered during the Odd Semester 2022-2023

Course Code:	EEEV021
Course Name:	Modelling, Control & Simulation of a Microgrid based on PV and Battery System
Area of Specialization:	Electrical Engineering
Course Description:	This course will introduce the basic concepts of microgrid and their associated control mechanisms. It will enable one to perform analysis based on the primary control strategies related to voltage and frequency stabilization. This course is designed for students who want to grasp the fundamental control concepts related to the micro grid.
Course Outcome:	On successful completion of the course, the student shall be able to: 1) Describe the emerging technologies of micro grid. 2) Discuss the concepts of basic control strategies related to micro grid. 3) Demonstrate the implementation of Micro grid model in Simulink Environment. 4) Analyze the control of Micro grid with different kinds of renewable resources.
Course Content:	**Module 1:** Evolution of Classical Power System to Microgrid, Basics of Microgrid, Droop Control, Feedback Control, abc-dq transformation, Function of Voltage Source Inverter **Module 2:** Standalone and Grid Tied Microgrid, Power Sharing Control in Microgrid, Voltage Controller, Current Controller, Frequency Synchronization through PLL. **Module 3:** Application of Microgrid, Sizing of PV and Battery, Integration of Microgrid with PV and Battery. **Module 4:** Modelling of Standalone Microgrid on MATLAB Simulink, Analyzing Voltage and Frequency through advanced Controller in Simulink
Instructor In-charge:	Dr. Sumit Kumar Jha

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

School of Engineering
Department of Electrical & Electronics Engineering
AY 2022-23 (Odd Sem)
Value added Course(VAC) Name and Code: Modelling, Control & Simulation of a Microgrid based on PV and Battery System & EEEV021
Name of the Instructor: Dr. Sumit Kumar Jha
Attendance Sheet

S.No.	STUDENT ID NO	STUDENT NAME	Total classes conducted	Total classes attended	Percentage attended
1	20211EEE0023	MASROOR AHMED	30	28	93.33
2	20211EEE0026	MOHAMMED AIMAN KHAN	30	26	86.67
3	20201EAE0002	RAHEL ANN JOHNSON	30	24	80.00
4	20201EAE0003	ANAND UR	30	2	6.67
5	20201EEE0001	SONU KUMAR	30	6	20.00
6	20201EEE0003	SHRAVANI N	30	28	93.33
7	20201EEE0005	RAKSHITHA B	30	24	80.00
8	20201EEE0007	S THYAGARAJ	30	3	10.00
9	20201EEE0008	VARSHITHA GOWDA M	30	27	90.00
10	20201EEE0011	SAI NAYANA A	30	24	80.00
11	20201EEE0012	G YOGESHWARAN	30	28	93.33
12	20201EEE0015	ABHISHEK T T	30	30	100.00
13	20201EEE0016	KAMPA PREETHISH	30	23	76.67
14	20201EEE0018	FIZA	30	28	93.33
15	20201EEE0021	JILLIVARI KURUVA PRASAD	30	0	0.00
16	20201EEE0022	YASHASWINI BG	30	24	80.00
17	20201EEE0023	SHRUJAN H S	30	2	6.67
18	20201EEE0025	VISHALA R	30	24	80.00
19	20201EEE0026	MANJUNATH K	30	4	13.33
20	20211LEE0014	AMBIKA M BIJAPUR	30	23	76.67
21	20211LEE0013	CHARANREDDY S V	30	24	80.00
22	20211LEE0001	DEEP CHATTERJEE	30	24	80.00

Signature of Course Instructor
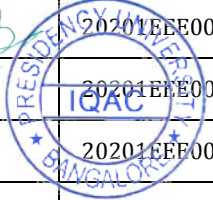
REGISTRAR
Registrar

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course Marksheet

Course Code :	EEEV021		Academic Year :		2022-23	
Course Name :	Modelling, Control & Simulation of a Microgrid based on PV and Battery System		Semester :		Odd Semester	
			Instructor-in-Charge Name:		Dr. Sumit Kumar Jha	
			Instructor-in-Charge Employee ID :		PUNIV01764	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20211EEE0023	MASROOR AHMED	SoE	93.33	70	Yes	
2	20211EEE0026	MOHAMMED AIMAN KHAN	SoE	86.67	67	Yes	
3	20201EAE0002	RAHEL ANN JOHNSON	SoE	80.00	52	Yes	
4	20201EAE0003	ANAND UR	SoE	6.67	Ab	No	Not Eligible for Certificate
5	20201EEE0001	SONU KUMAR	SoE	20.00	Ab	No	Not Eligible for Certificate
6	20201EEE0003	SHRAVANI N	SoE	93.33	60	Yes	
7	20201EEE0005	RAKSHITHA B	SoE	80.00	50	Yes	
8	20201EEE0007	S THYAGARAJ	SoE	10.00	Ab	No	Not Eligible for Certificate
9	20201EEE0008	VARSHITHA GOWDA M	SoE	90.00	72	Yes	
10	20201EEE0011	SAI NAYANA A	SoE	80.00	74	Yes	
11	20201EEE0012	G YOGESHWARAN	SoE	93.33	50	Yes	
12	20201EEE0015	ABHISHEK T T	SoE	100.00	78	Yes	
13	20201EEE0016	KAMPA PREETHISH	SoE	76.67	64	Yes	
14	20201EEE0018	FIZA	SoE	93.33	59	Yes	
15	20201EEE0021	JILLIVARI KURUVA PRASAD	SoE	0.00	Ab	No	Not Eligible for Certificate
16	20201EEE0022	YASHASWINI BG	SoE	80.00	84	Yes	
17	20201EEE0023	SHRUJAN H S	SoE	6.67	Ab	No	Not Eligible for Certificate
18	20201EEE0025	VISHALA R	SoE	80.00	82	Yes	
19	20201EEE0026	MANJUNATH K	SoE	13.33	Ab	No	Not Eligible for Certificate

20	20211LEE0014	AMBIKA M BIJAPUR	SoE	76.67	88	Yes	
21	20211LEE0013	CHARANREDDY S V	SoE	80.00	82	Yes	
22	20211LEE0001	DEEP CHATTERJEE	SoE	80.00	65	Yes	

Name of Course Instructor :   Dr. Sumit Kumar Jha
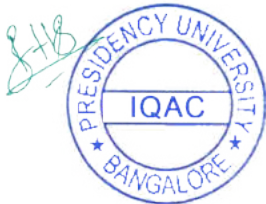
Employee ID of Course Instructor: PUNIV01764

Signature of Instructor-in-charge

Signature of HoD

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

IQAC
PRESIDENCY UNIVERSITY
BANGALORE

REGISTRAR

School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course offered during the Odd Semester 2022-2023

Course Code:	**EEEV022**
Course Name:	Introduction to Renewable Energy
Area of Specialization:	Power and Energy System
Course Description:	This course gives an introduction to the various forms of conventional energy resources and learn the present energy scenario and the need for energy conservation. The course explains the concept of various forms of renewable energy and helps in utilization of renewable energy sources for both domestics and industrial application.
Course Outcome:	On successful completion of the course, the student shall be able to: CO.1. Describe the environmental aspects of non-conventional energy resources. In Comparison with various conventional energy systems, their prospects and limitations. imitations. CO.2. Know the need of renewable energy resources, historical and latest developments. CO.3. Describe the use of solar energy and the various components used in the energy production with respect to applications like - heating, cooling, desalination, power generation, drying, cooking etc. CO.4. Appreciate the need of Wind Energy and the various components used in energy generation and know the classifications. CO.5. Understand the concept of Biomass energy resources and their classification, types of biogas Plants- applications
Course Content:	**Module No 1:** Energy Scenario: Classification of Energy Sources, Energy resources (Conventional and nonconventional), Energy needs of India, and energy consumption patterns. [8- Hours] **Module No 2:** Solar Energy: Environmental impacts of solar energy, Solar Radiation Measuring Instruments, Active and Passive Solar heating. [8- Hours] **Module No 3:** Wind Energy: Sources and potentials, horizontal and vertical axis windmills, performance characteristics. Bio-Mass: Principles of Bio-Conversion, Anaerobic /aerobic digestion, types of Bio-gas digesters, [8- Hours] **Module No 4:** Introduction to Tidal energy, Wave Energy, Geothermal Energy and Bio-Fuels[6- Hours]
Instructor In-charge:	Mrs. Priyanka Ray

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

School of Engineering
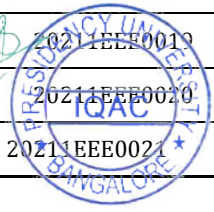## Department of Electrical & Electronics Engineering
AY 2022-23 (Odd Sem)
Value added Course(VAC) Name and Code: Introduction to Renewable Energy & EEEV022
Name of the Instructor: Mrs. Priyanka Ray
Attendance Sheet

S.No.	STUDENT ID NO	STUDENT NAME	Total classes conducted	Total classes attended	Percentage attended
1	20211EAE0027	DUSHANTH	30	18	60.00
2	20211EEE0001	PENUGONDA CHARAN	30	22	73.33
3	20211EEE0002	SHAIK AHAMMAD	30	22	73.33
4	20211EEE0003	SUMAN	30	22	73.33
5	20211EEE0004	YAMUNA MN	30	22	73.33
6	20211EEE0005	HARIKRISHNA	30	6	20.00
7	20211EEE0006	PIYUSH NISHAD	30	4	13.33
8	20211EEE0007	GAGANMURTHY	30	26	86.67
9	20211eee0008	HRUTHIK HB	30	22	73.33
10	20211EEE0009	ANUSHA B	30	26	86.67
11	20211EEE0010	SUPRITH.D.L	30	26	86.67
12	20211EEE0011	NITHISH U	30	28	93.33
13	20211EEE0012	VIDYA SHREE G N	30	26	86.67
14	20211EEE0013	R V GANESH	30	22	73.33
15	20211EEE0014	SINCHANA.M	30	22	73.33
16	20211EEE0015	BINDHU R C	30	26	86.67
17	20211EEE0016	GAGAN SAI A S	30	22	73.33
18	20211EEE0017	KAVYA N	30	26	86.67
19	20211EEE0018	ROHAN. R	30	22	73.33
20	20211EEE0019	BHARATH.H.D	30	22	73.33
21	20211EEE0020	RUDRAGOUDA K POLICE PATIL	30	2	6.67
22	20211EEE0021	HARSHITHA B S	30	10	33.33

Signature of Course Instructor

Priyanka Ray

REGISTRAR

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course Marksheet

Course Code :	EEEV022		Academic Year :		2022-23	
Course Name :	Introduction to Renewable Energy		Semester :		Odd Semester	
			Instructor-in-Charge Name:		Mrs. Priyanka Ray	
			Instructor-in-Charge Employee ID :		PUNIV01021	

S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20211EAE0027	DUSHANTH	SoE	60.00	35	No	Not Eligible for Certificate
2	20211EEE0001	PENUGONDA CHARAN	SoE	73.33	60	Yes	
3	20211EEE0002	SHAIK AHAMMAD	SoE	73.33	67	Yes	
4	20211EEE0003	SUMAN	SoE	73.33	70	Yes	
5	20211EEE0004	YAMUNA MN	SoE	73.33	70	Yes	
6	20211EEE0005	HARIKRISHNA	SoE	20.00	30	No	
7	20211EEE0006	PIYUSH NISHAD	SoE	13.33	33	No	Not Eligible for Certificate
8	20211EEE0007	GAGANMURTHY	SoE	86.67	75	Yes	
9	20211eee0008	HRUTHIK HB	SoE	73.33	68	Yes	
10	20211EEE0009	ANUSHA B	SoE	86.67	69	Yes	
11	20211EEE0010	SUPRITH.D.L	SoE	86.67	77	Yes	
12	20211EEE0011	NITHISH U	SoE	93.33	76	Yes	
13	20211EEE0012	VIDYA SHREE G N	SoE	86.67	74	Yes	
14	20211EEE0013	R V GANESH	SoE	73.33	63	Yes	
15	20211EEE0014	SINCHANA.M	SoE	73.33	54	Yes	
16	20211EEE0015	BINDHU R C	SoE	80.00	66	Yes	
17	20211EEE0016	GAGAN SAI A S	SoE	73.33	70	Yes	
18	20211EEE0017	KAVYA N	SoE	86.67	80	Yes	

REGISTRAR

19	20211EEE0018	ROHAN. R	SoE	73.33	77	Yes	
20	20211EEE0019	BHARATH.H.D	SoE	73.33	75	Yes	
21	20211EEE0020	RUDRAGOUDA K POLICE PATIL	SoE	6.67	21	No	Not Eligible for Certificate
22	20211EEE0021	HARSHITHA B S	SoE	33.33	30	No	Not Eligible for Certificate

Name of Course Instructor :   Mrs. Priyanka Ray
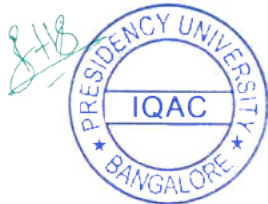
Employee ID of Course Instructor: PUNIV01900

Signature of Instructor-in-charge

Signature of HoD

Head of the Department
Electrical and Electronics Engineering
School of Engineering
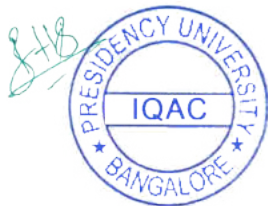PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

IQAC

REGISTRAR

School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course offered during the Odd Semester 2022-2023

Course Code:	EEEV023
Course Name:	Electrical safety measures and Standards
Area of Specialization:	Electrcal Engineering
Course Description:	Safety Tips on Using Electricity /Dangers of Electrical Shock/What must be done to be safe? /Recognizing /Evaluating /Controlling Hazards/Safe Work Environment/Safe Work Practices / Electrical Safety - Power System/Electrical Safety /General safety guidelines: Safety Precautions You Need to Take When Working with Electricity, Electrical Safety Precautions,
Course Outcome:	On successful completion of the course, the student shall be able to: CO.1. Prevent electric shock or other injuries resulting from either direct or indirect electrical contact when work is performed near or on equipment or circuits which are or may be energized. CO.2. Understand of workplace electrical hazards and identify, report, and control them. CO.3. Ensure that every worker is executing tasks by following the specific set of rules and processes. CO.4. understand Basic knowledge of Indian & International safety legislation & standards.
Course Content:	**Module No. 1:** Introduction, Safety Tips on Using Electricity /Dangers of Electrical Shock/What must be done to be safe? /Recognizing /Evaluating /Controlling Hazards/Safe Work Environment/Safe Work Practices / Electrical Safety - Power System/Electrical Safety /General safety guidelines. [08- Hours] **Module No. 2:** Safety Precautions, Need to take When Working with Electricity, Electrical Safety Precautions. [06- Hours] **Module No. 3:** Indian Standards/ Code of Practice for Electrical Wiring Installation. Code of practice for Earthing. / Cos of practice for the maintenance of batteries. [08- Hours] **Module No. 4:** Codes of practice for the maintenance of alternators/ Standard for Electrical Safety in the Workplace. / Electrical regulations and standards. /Low Voltage Overload Protection. /Electrical Safety - Short Circuit Protection Electrical Safety – Earthing. /The role of a human in the workplace. / Measures During Preventive Maintenance. [8- Hours]
Instructor In-charge:	Dr Snehaprabha T V

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

School of Engineering
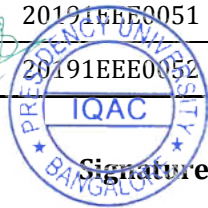## Department of Electrical & Electronics Engineering
AY 2022-23 (Odd Sem)
Value added Course(VAC) Name and Code: Electrical safety measures and Standards & EEEV023
Name of the Instructor: Dr Snehaprabha T V
Attendance Sheet

S.No.	STUDENT ID NO	STUDENT NAME	Total classes conducted	Total classes attended	Percentage attended
1	20211LEE0016	NIRANJAN JAGADISH PAMMAR	30	0	0.00
2	20211LEE0017	NARESH R N	30	23	76.67
3	20191EEE0032	R S SHARUKH	30	23	76.67
4	20191EEE0033	ROSHAN S	30	2	6.67
5	20191EEE0034	S R METHESWAR	30	24	80.00
6	20191EEE0035	SAGAR B	30	26	86.67
7	20191EEE0036	SAMBHRAM P TAILANG	30	23	76.67
8	20191EEE0037	SANJAY B	30	23	76.67
9	20191EEE0038	SANJAY P	30	23	76.67
10	20191EEE0039	SANKET VIJAY KUMAR KAMBLE	30	23	76.67
11	20191EEE0040	SAPNA N	30	12	40.00
12	20191EEE0041	SHAIK MUNEER	30	24	80.00
13	20191EEE0042	SHARANYA P C	30	23	76.67
14	20191EEE0044	SHWETHA N	30	0	0.00
15	20191EEE0045	SIVA PRASAD L	30	0	0.00
16	20191EEE0046	SOURODIPTTO MONDAL	30	0	0.00
17	20191EEE0047	SRINIDHI R	30	4	13.33
18	20191EEE0049	VARSHA B N	30	24	80.00
19	20191EEE0050	YARRABALLI NAVEEN	30	14	46.67
20	20191EEE0051	YASHASH N	30	4	13.33
21	20191EEE0052	YASHWANTH N	30	23	76.67
	Signature of Course Instructor				

REGISTRAR

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

School of Engineering
Department of Electrical & Electronics Engineering
Value Added Course Marksheet

Course Code :	EEEV023		Academic Year :		2022-23	
Course Name :	Electrical safety measures and Standards		Semester :		Odd Semester	
			Instructor-in-Charge Name:		Dr Snehaprabha T V	
			Instructor-in-Charge Employee ID :		PUNIV01994	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20211LEE0016	NIRANJAN JAGADISH PAMMAR	SoE	0.00	0	NO	Not Eligible for Certificate
2	20211LEE0017	NARESH R N	SoE	76.67	49	YES	
3	20191EEE0032	R S SHARUKH	SoE	76.67	55	YES	
4	20191EEE0033	ROSHAN S	SoE	6.67	39	NO	Not Eligible for Certificate
5	20191EEE0034	S R METHESWAR	SoE	80.00	55	YES	
6	20191EEE0035	SAGAR B	SoE	86.67	89	YES	
7	20191EEE0036	SAMBHRAM P TAILANG	SoE	76.67	59	YES	
8	20191EEE0037	SANJAY B	SoE	76.67	65	YES	
9	20191EEE0038	SANJAY P	SoE	76.67	55	YES	
10	20191EEE0039	SANKET VIJAY KUMAR KAMBLE	SoE	76.67	52	YES	
11	20191EEE0040	SAPNA N	SoE	40.00	17	NO	Not Eligible for Certificate
12	20191EEE0041	SHAIK MUNEER	SoE	80.00	40	NO	Not Eligible for Certificate
13	20191EEE0042	SHARANYA P C	SoE	76.67	62	YES	
14	20191EEE0044	SHWETHA N	SoE	0.00	0	NO	Not Eligible for Certificate
15	20191EEE0045	SIVA PRASAD L	SoE	0.00	0	NO	Not Eligible for Certificate
16	20191EEE0046	SOURODIPTTO MONDAL	SoE	0.00	0	NO	Not Eligible for Certificate
17	20191EEE0047	SRINIDHI R	SoE	13.33	42	NO	Not Eligible for Certificate
18	20191EEE0049	VARSHA B N	SoE	80.00	70	YES	

19	20191EEE0050	YARRABALLI NAVEEN	SoE	46.67	24	NO	Not Eligible for Certificate
20	20191EEE0051	YASHASH N	SoE	13.33	7	NO	Not Eligible for Certificate
21	20191EEE0052	YASHWANTH N	SoE	76.67	40	YES	

Name of Course Instructor : Dr Snehaprabha T V
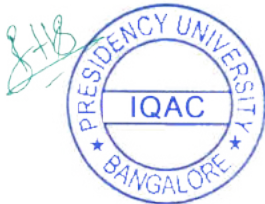
Employee ID of Course Instructor: PUNIV01994

Signature of Instructor-in-charge

Signature of HoD

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

REGISTRAR