



POORNIMA
COLLEGE OF ENGINEERING

An autonomous institution approved by RTU, AICTE & UGC • NAAC A+ Accredited



2.3.1.12 List of Virtual Labs/lectures conducted using ICT Tools_2023-24

ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302022 (Rajasthan)
• Phone: +91-9829255102, +91-9414728922 • E-mail: principal.pce@poornima.org
• Website: www.pce.poornima.org



POORNIMA
COLLEGE OF ENGINEERING

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Approved by AICTE
Affiliated to Rajasthan Technical University, Kota
Recognized by UGC under Section 2(f) of the UGC Act, 1956
Department of Civil Engineering

Department Level File

File Number and Name	PCE/CE/2023-24/022: ICT Tools & E-learning Resources
Contents	1. List of ICT tool used in the department with proof 2. E-Learning Resources etc.

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S. No.	Particulars	Page No.
1	Workshop on Technical Writing in MS-Word	3-4
2	FDP on Constructing Tomorrow: Advancements in construction engineering & Structural design	5
3	Workshop on Hands on Training in Digital Image Processing & its Applications	6-7

SESSION: 2023-24



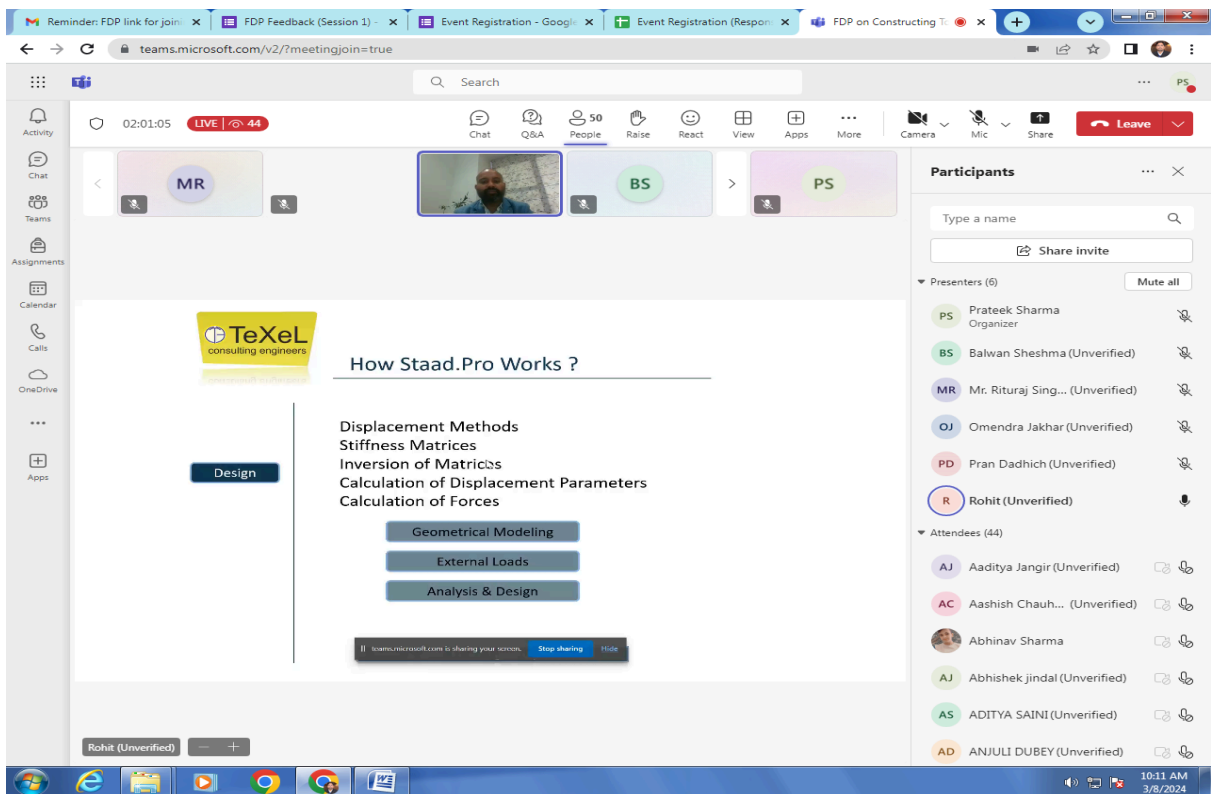
Pic Dr.Vishal Singhal delivered a presentation on Technical Writing in MS-Word using ICT Tool



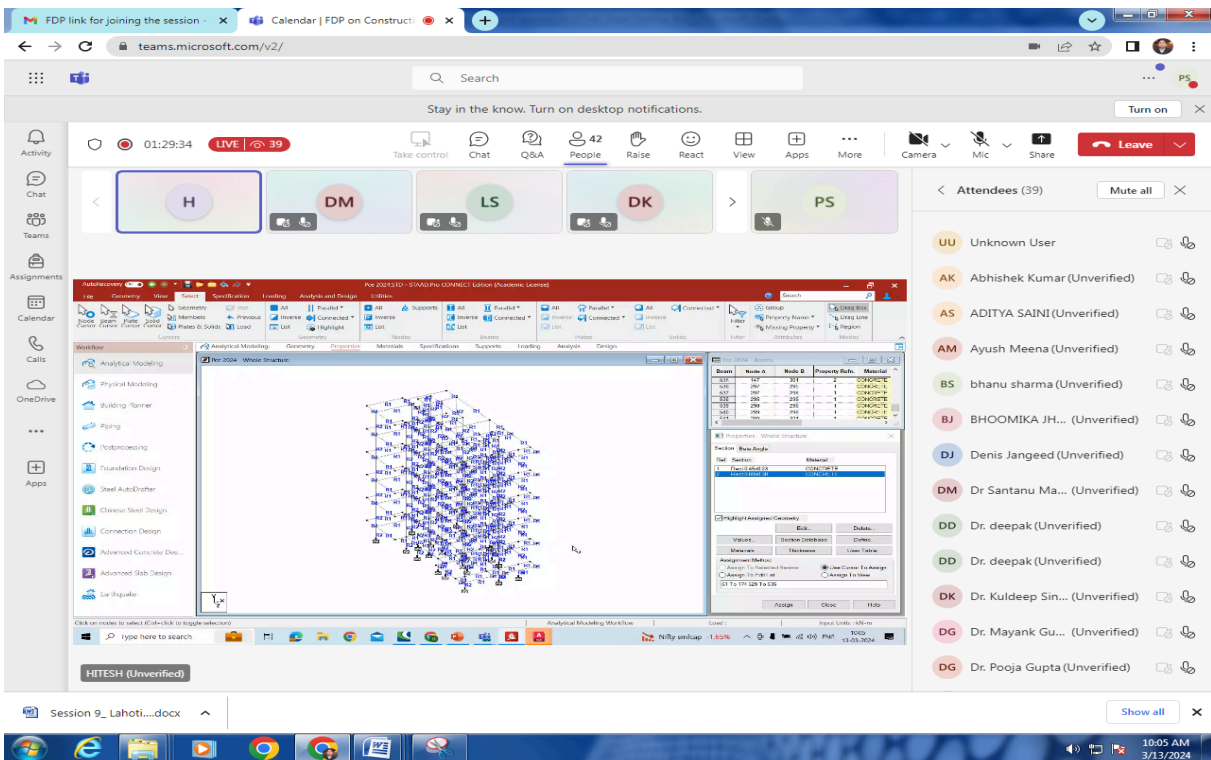
Pic Dr.Vishal Singhal delivered a presentation on Technical Writing in MS-Word using ICT Tool



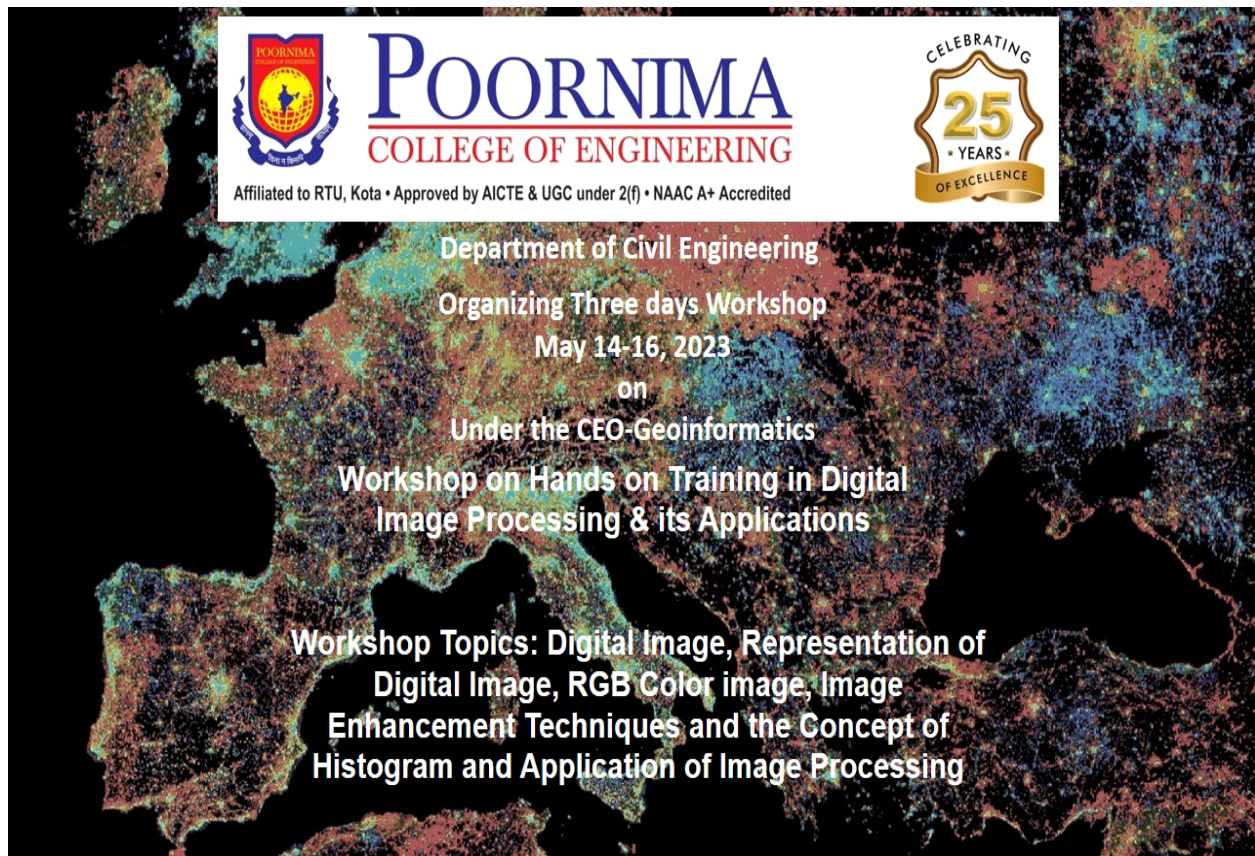
**Pic Dr.Vishal Singhal delivered a presentation on Technical Writing in MS-Word
using ICT Tool**



Pic. Mr.Rohit conducted a workshop on use of Stadd Pro. in structure design using ICT Tool Under FDP Program



Pic. Mr.Hitesh Lahoti conducted a workshop on use of Stadd Pro. in structure design using ICT Tool Under FDP Program



Pic Dr. Prannath Dadhich Sir conducted Hands on Training in Digital Image Processing & its Applications



Pic Dr. Prannath Dadhich Sir conducted Hands on Training in Digital Image Processing & its Applications



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COLLEGE OF ENGINEERING

ME DEPARTMENT ICT TOOLS

ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302022 (Rajasthan)

• **Phone: +91-9829255102, +91-9414728922**

• **E-mail: principal.pce@poornima.org**

Website: www.pce.poornima.org

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Sr.NO	ICT Tools & E-learning Resources	Page. No
1	Glimpse of ICT Tool & E- learning Resources	3



Dr. Narayan Lal Jain Explaining the concept of Psychrometry using PPT and Projector on 03/4/2024



Dr. Amit Mandal Explaining Vibrations Using PPT and Projector 18/03/24



Mr. Sanjay Kumawat Explaining power transmission by gear using PPT and Projector on 6/5/24



Dr. Rajkumar Satankar teaching gear terminology using PPT and Projector on 28/02/2024



Dr. Akshay Jain Teaching Quality Management by PPT and Projector on 18/3/24



**Dr. Anant Bhardwaj Teaching Measurement and Metrology using PPT and Projector
on 24/5/24**



Mr. Sanjay Kumawat taking Virtual LAB on 13/3/24



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Department of Information Technology

Department File

File Number and Name	PCE/IT/2023-24/022: ICT Tools & E-learning Resources
Contents	1. List of ICT tool used in the department with proof 2. E-learning resources etc.

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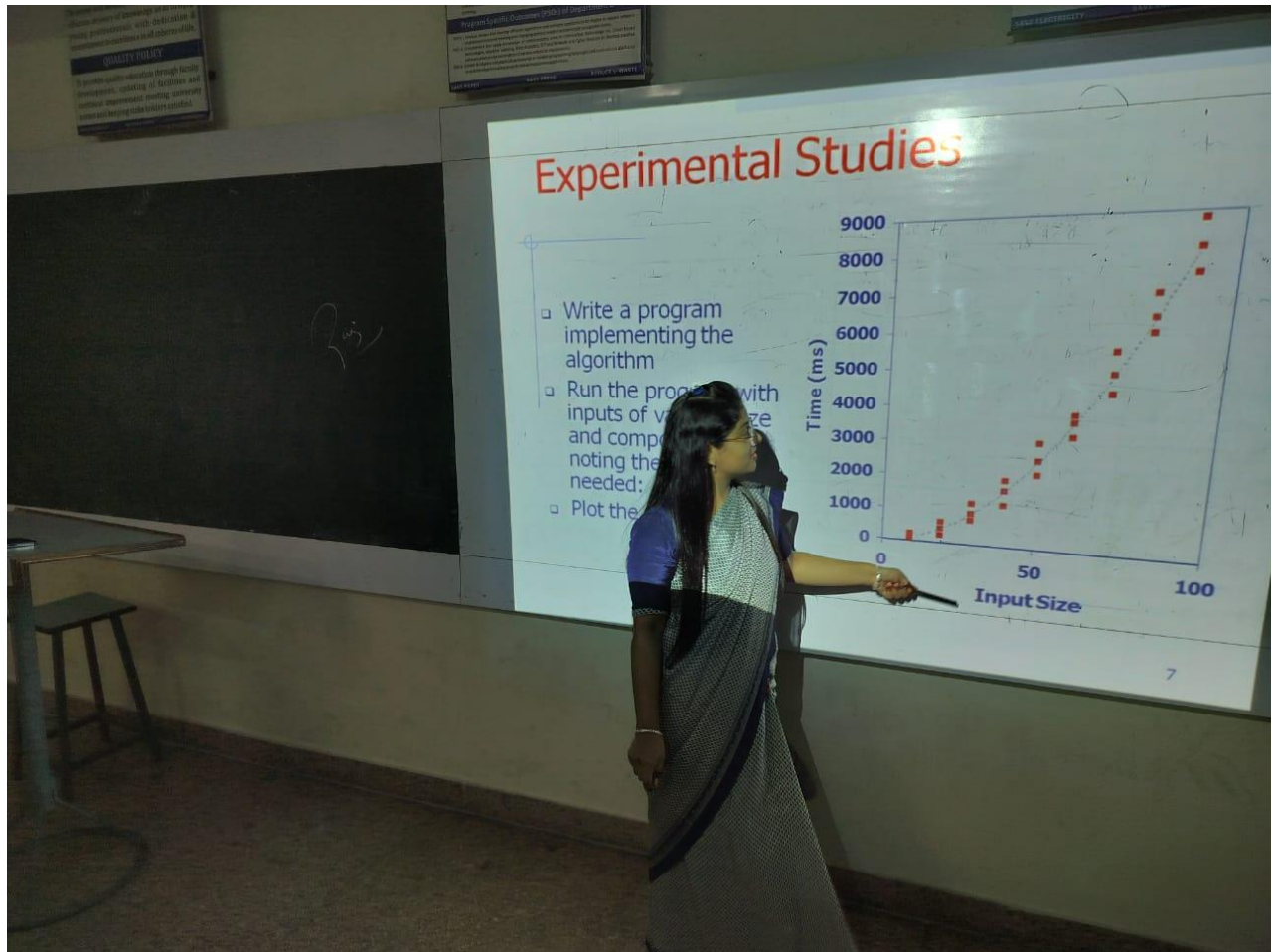
• Website: www.pce.poornima.org

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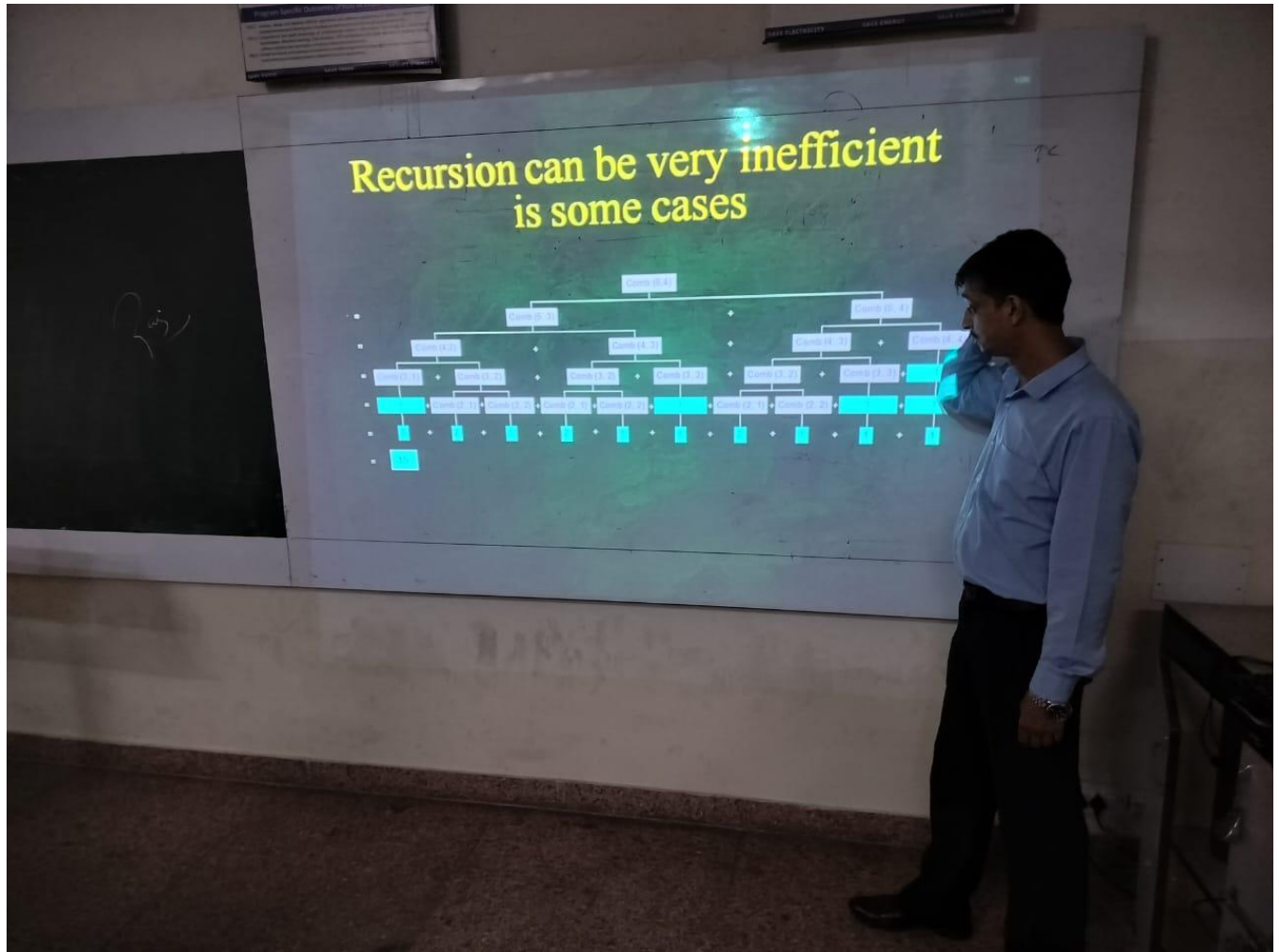
S. No.	Particulars	Page No.
1	ICT Tools & E-Learning resources used in the department (Projector, Computer and Software)	3-5



Pic: Dr. Ghanshyam Singh delivered a lecture on Microprocessor using ICT Tool



Pic: Ms. Shivani Jain delivered a lecture on Compiler Design using ICT Tool



Pic: Mr. Alok Singh delivered a lecture on Analysis of Algorithm using ICT Tool

Digital Electronic Circuits Virtual Laboratory

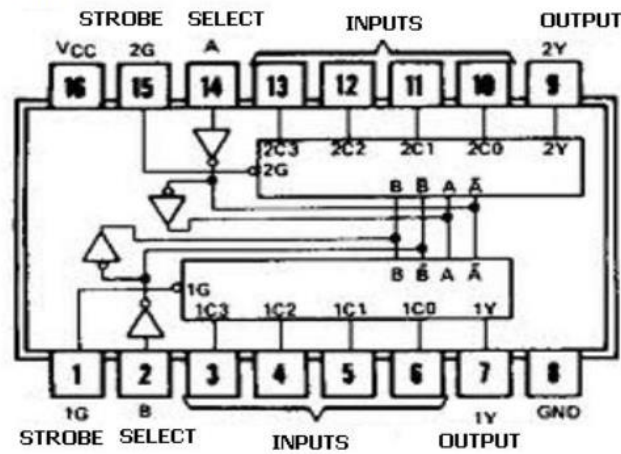
Link of Lab:- <http://vlabs.iitkgp.ac.in/dec/>

List of experiments

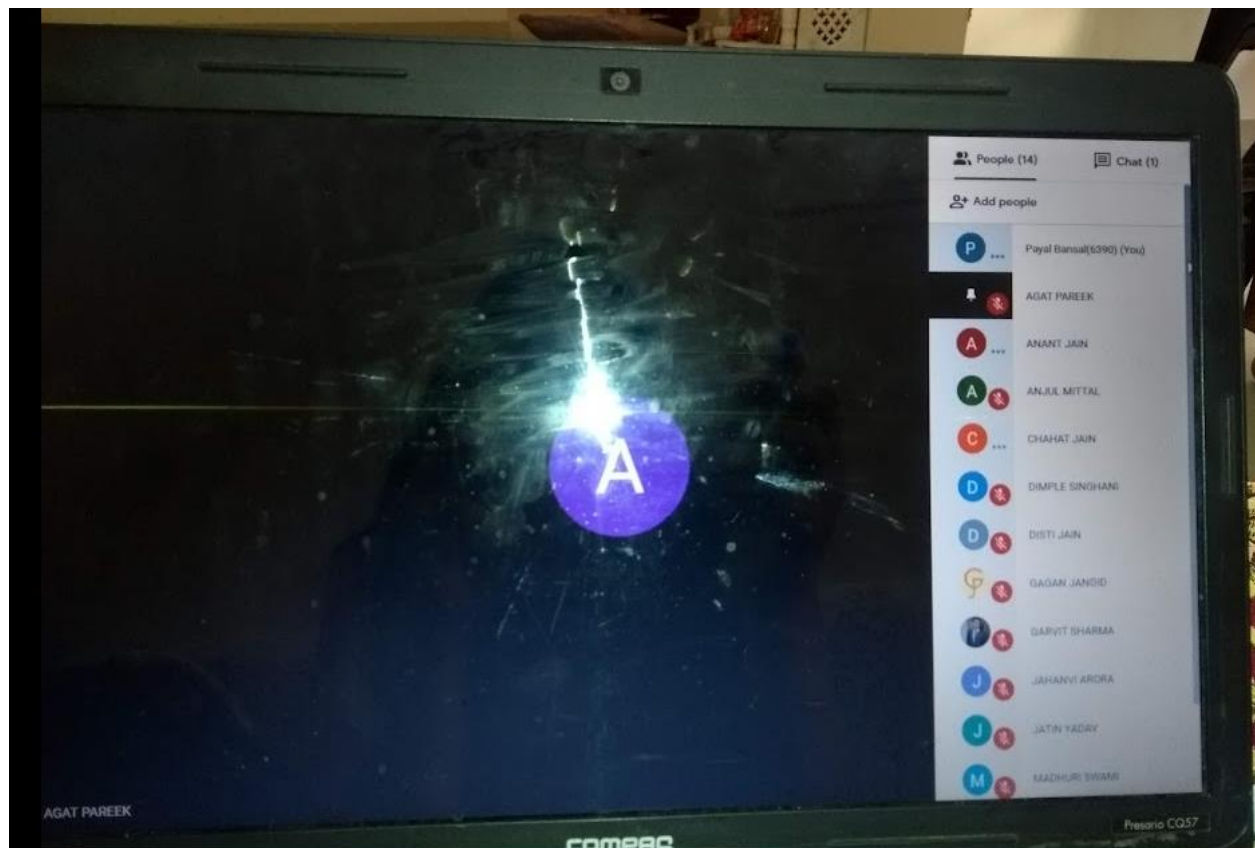
1. Analysis of Functions of BCD-TO-7-segment Decoder / Driver and Operation of 7-segment LED Display
2. Characterization of Digital Logic Families
3. Analysis and Synthesis of Boolean Expressions using Basic Logic Gates
4. Analysis and Synthesis of Logic Functions using Multiplexers
5. Analysis and Synthesis of Logic Functions using Decoders
6. Analysis and Synthesis of Boolean Relations using Digital Comparators
7. Analysis and Synthesis of Arithmetic Expressions using Adders / Subtractors
8. Analysis and Synthesis of Sequential Circuits using Basic Flip-Flops
9. Analysis and Synthesis of Multi-bit Sequential Circuits using Shift Registers
10. Design of Arithmetic Logic Unit (ALU)

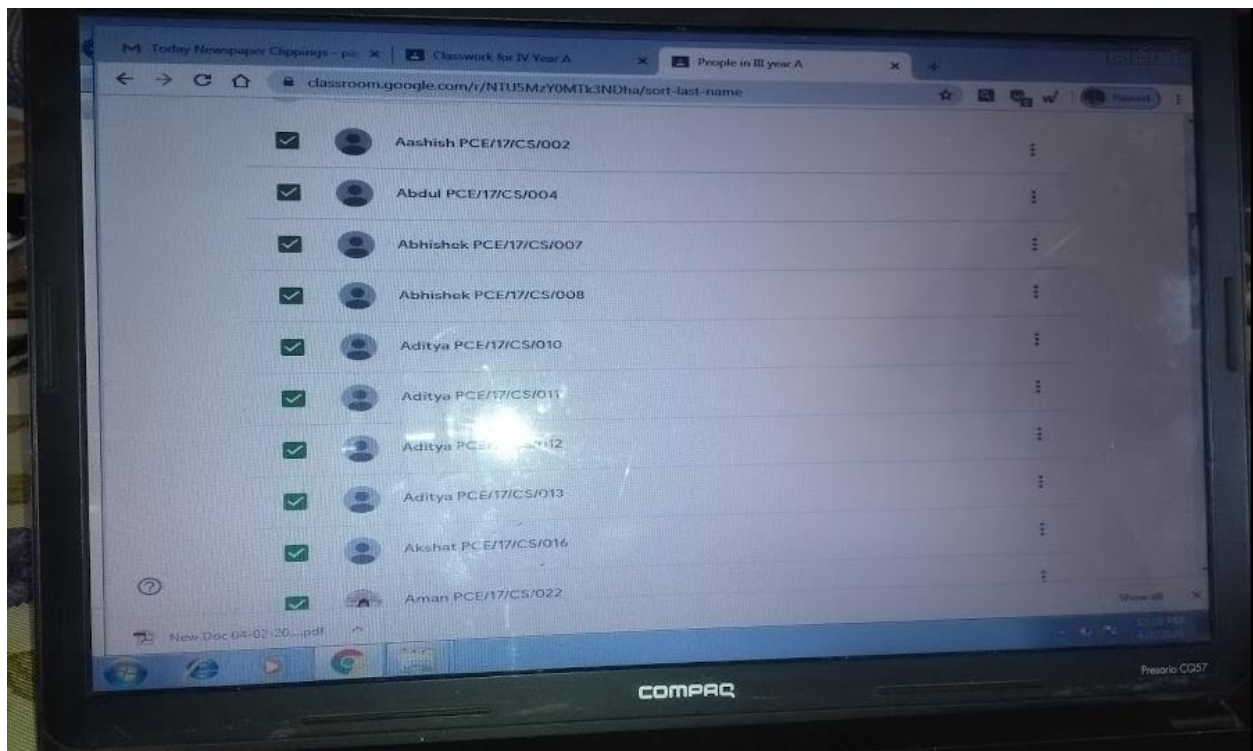
Theory

74153 is a dual 4 line-to-1 line multiplexer. It has the schematic representation shown in Fig 1. Selection lines A and B select the particular input to be multiplexed and applied to the output $1Y$ ($1 = 1, 2$). Each of the strobe signals $1G$ ($1 = 1, 2$) acts as an enable signal for the corresponding multiplexer. Figure 2(a) & 2(b) shows the multiplex function of 74153 in terms of select lines. Note that each of the on-chip multiplexers act independently from the other, while sharing the same select lines A and B.



74153



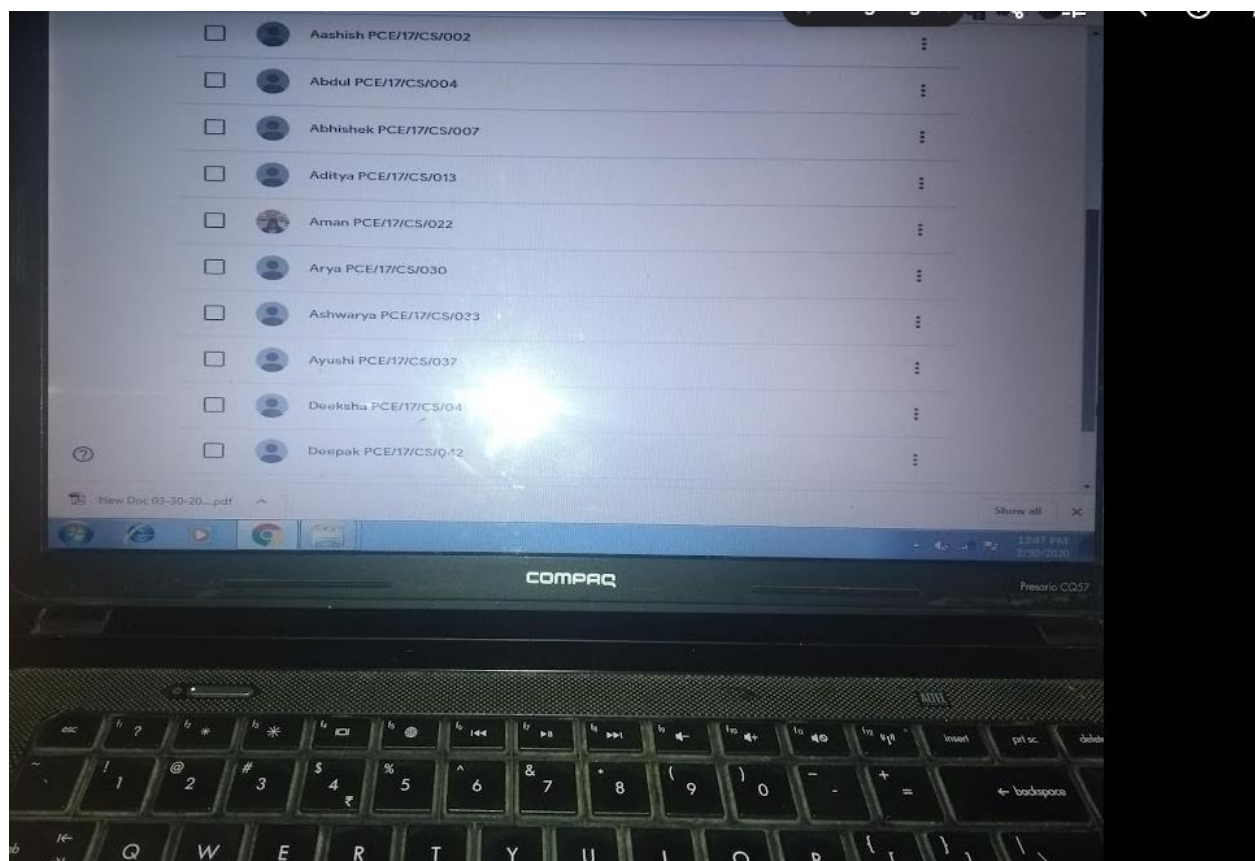


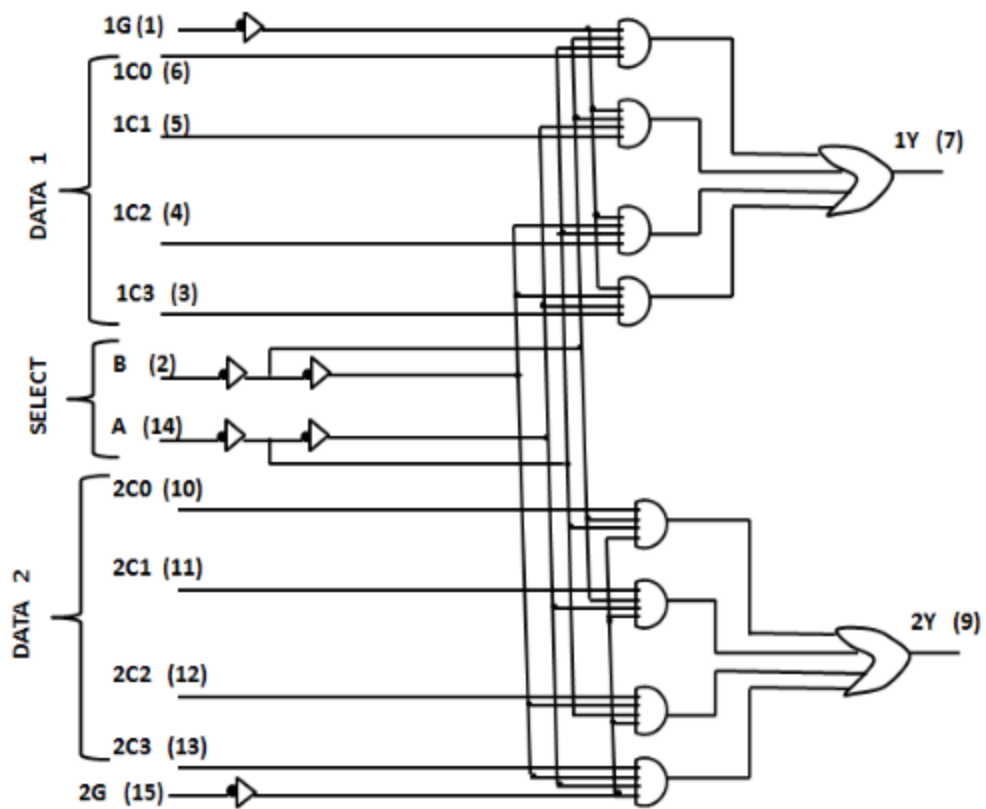
Strobe	Select Lines		Outputs
1G	A	B	1Y
1	x	x	0
0	0	0	1C0
0	0	1	1C1
0	1	0	1C2
0	1	1	1C3

Figure 2(a) x:don't care state

Strobe	Select Lines		Outputs
2G	A	B	2Y
1	x	x	0
0	0	0	2C0
0	0	1	2C1
0	1	0	2C2
0	1	1	2C3

Figure 2(b) x:don't care state



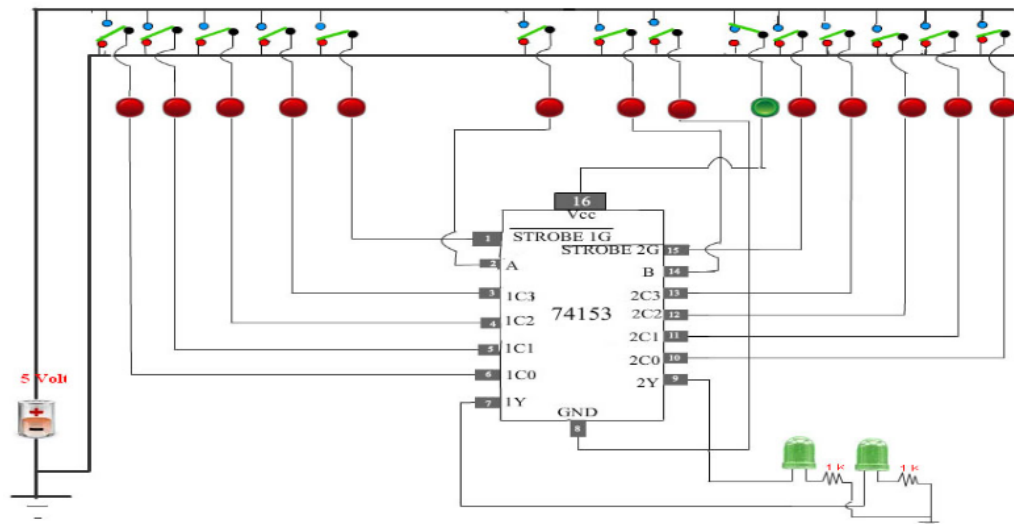


Procedure

Please follow these steps to do the experiment.

Part 1:

1. At first go through the structure of 74153. Then apply high level voltage to Vcc and low level voltage to GND. If Vcc and ground are not connected properly then error message will be shown and no output will be generated.



Analog Electronics Lab

Link of Lab:- <https://ae-iitr.vlabs.ac.in/List%20of%20experiments.html>



Virtual Labs
An MoE Govt of India Initiative

HOME PARTNERS

Electronics and Communication Engineering

Introduction

Objective

List of experiments

Target Audience

Course Alignment

Feedback

Analog Electronics

1. Log and antilog amplifiers
2. Voltage comparator
3. Wien bridge oscillator using operational amplifier
4. Voltage regulator using operational amplifier to produce output of 12V with maximum load current of 50mA
5. Voltage to current converters
6. Function generator using operational amplifier (sine, triangular & square wave)
7. Astable and monostable multivibrator using IC 555



Virtual Labs
An MoE Govt of India Initiative

HOME PARTNERS CONTACT

Electronics and Communication Engineering > Analog Electronics > Experiments

Aim

Theory

Pretest

Procedure

Simulation

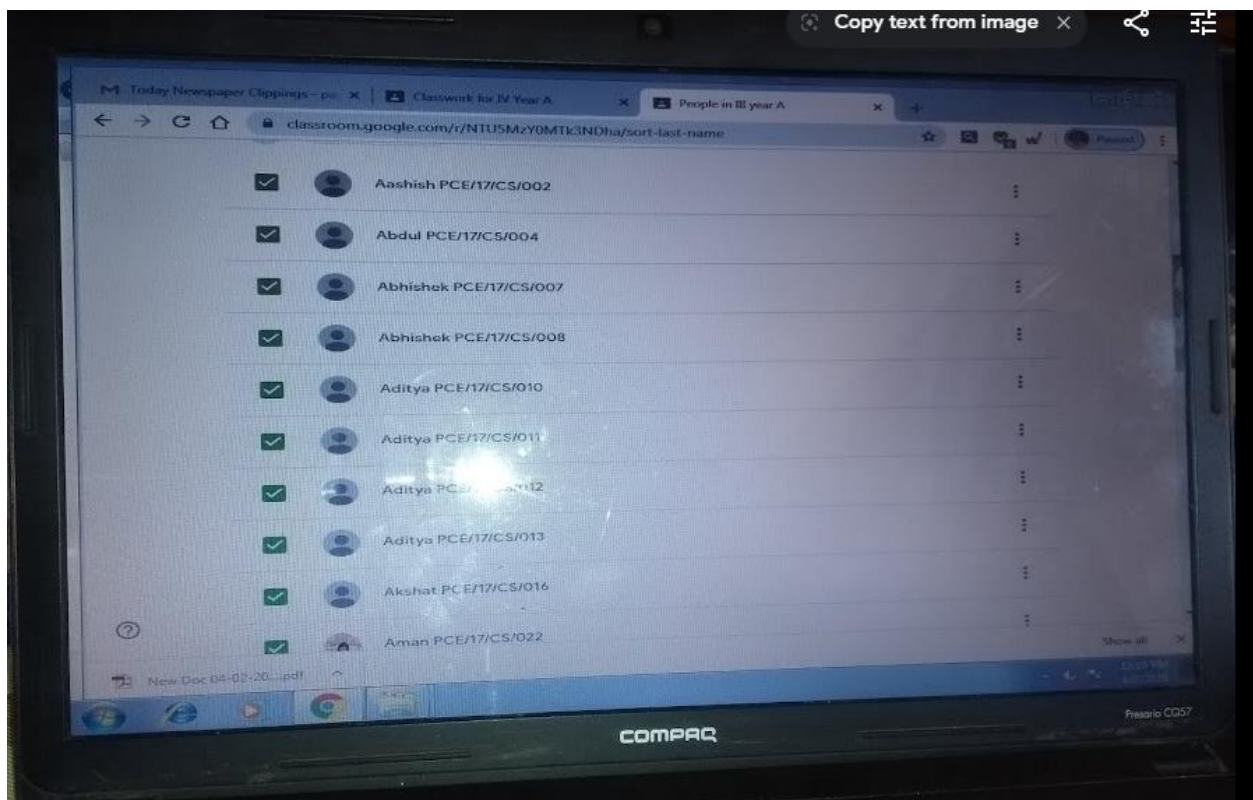
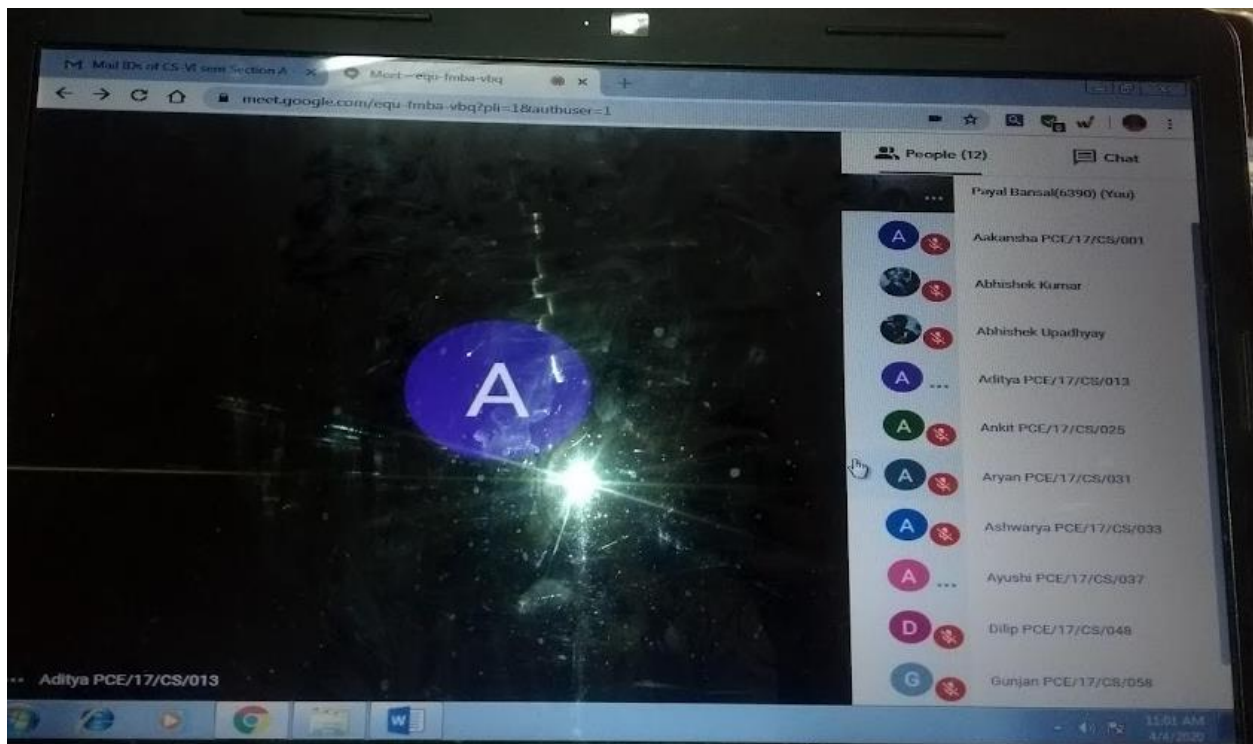
Posttest

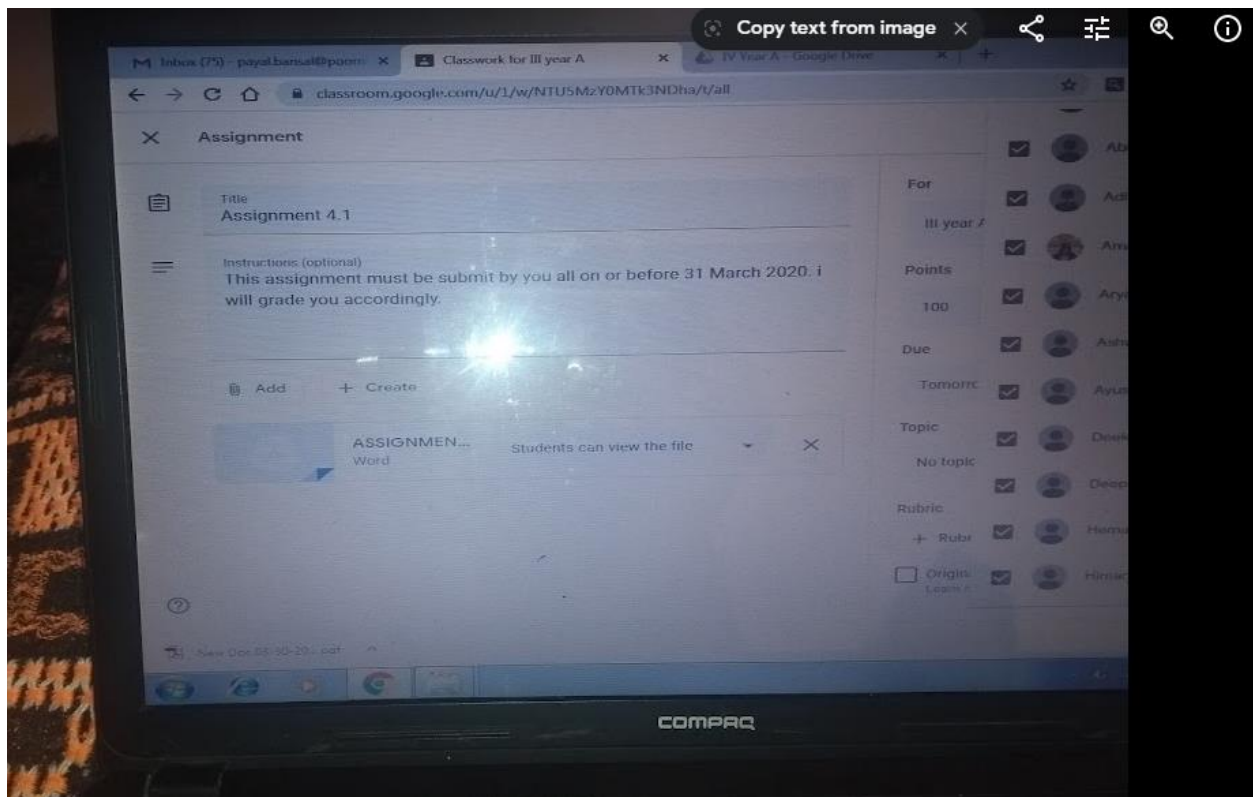
References

Feedback

Log and Antilog Amplifiers.

To study log and antilog amplifier.





Antilog Amplifier

Instructions

Check Reset GND

Select input voltage(V_{in}) = Calculate

GRAPH PLOT

L10

L11

EXPERIMENTAL TABLE

SN.	I/P voltage (V_{in})	O/P voltage (V_{out})

Print

2)Antilog Amplifier

An anti-logarithmic amplifier, or an anti-log amplifier, is an electronic circuit that produces an output that is proportional to the anti-logarithm of the applied input. This section discusses about the op-amp based anti-logarithmic amplifier in detail. An op-amp based anti-logarithmic amplifier produces a voltage at the output, which is proportional to the anti-logarithm of the voltage that is applied to the diode connected to its inverting terminal.

The circuit diagram of an op-amp based anti-logarithmic amplifier is shown in the following figure –

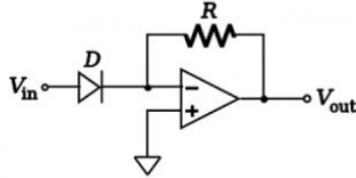
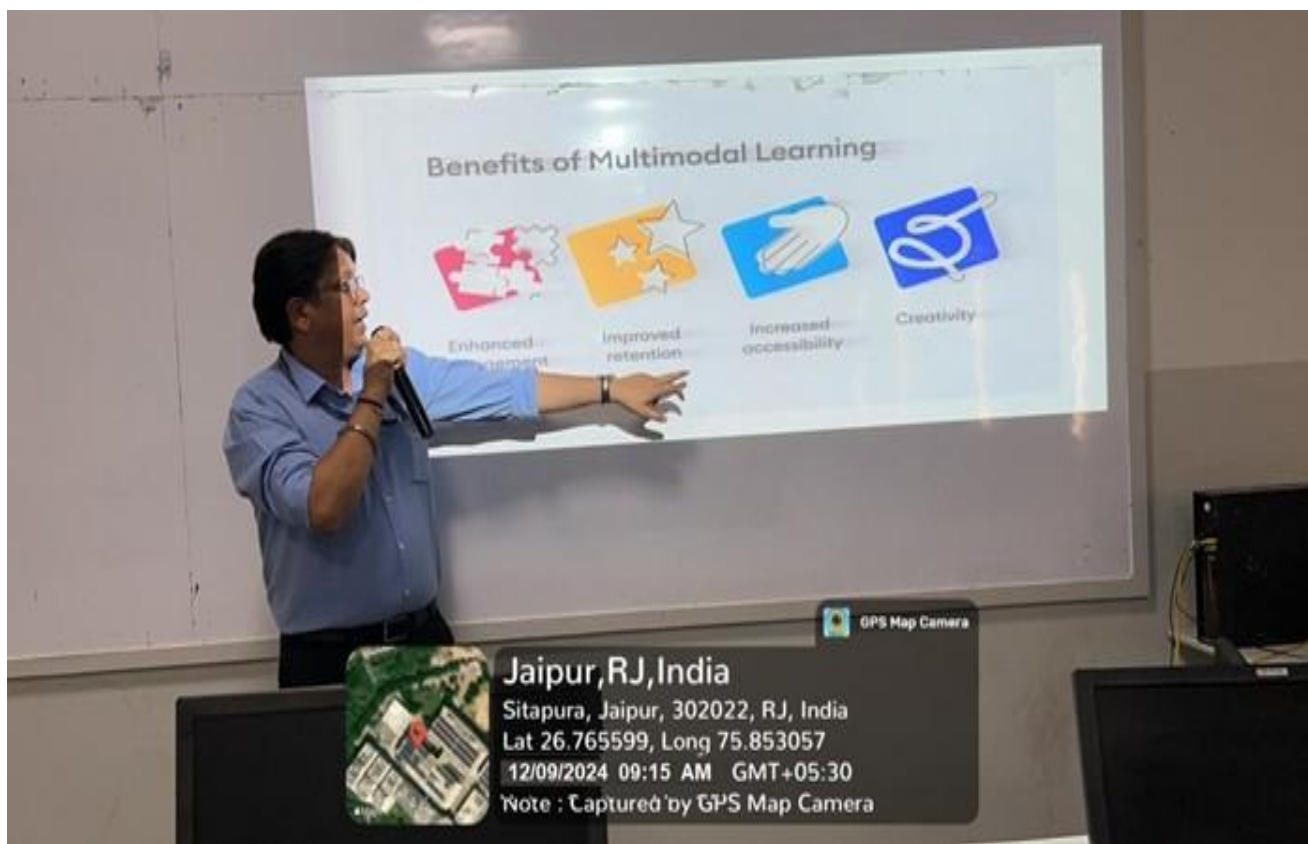
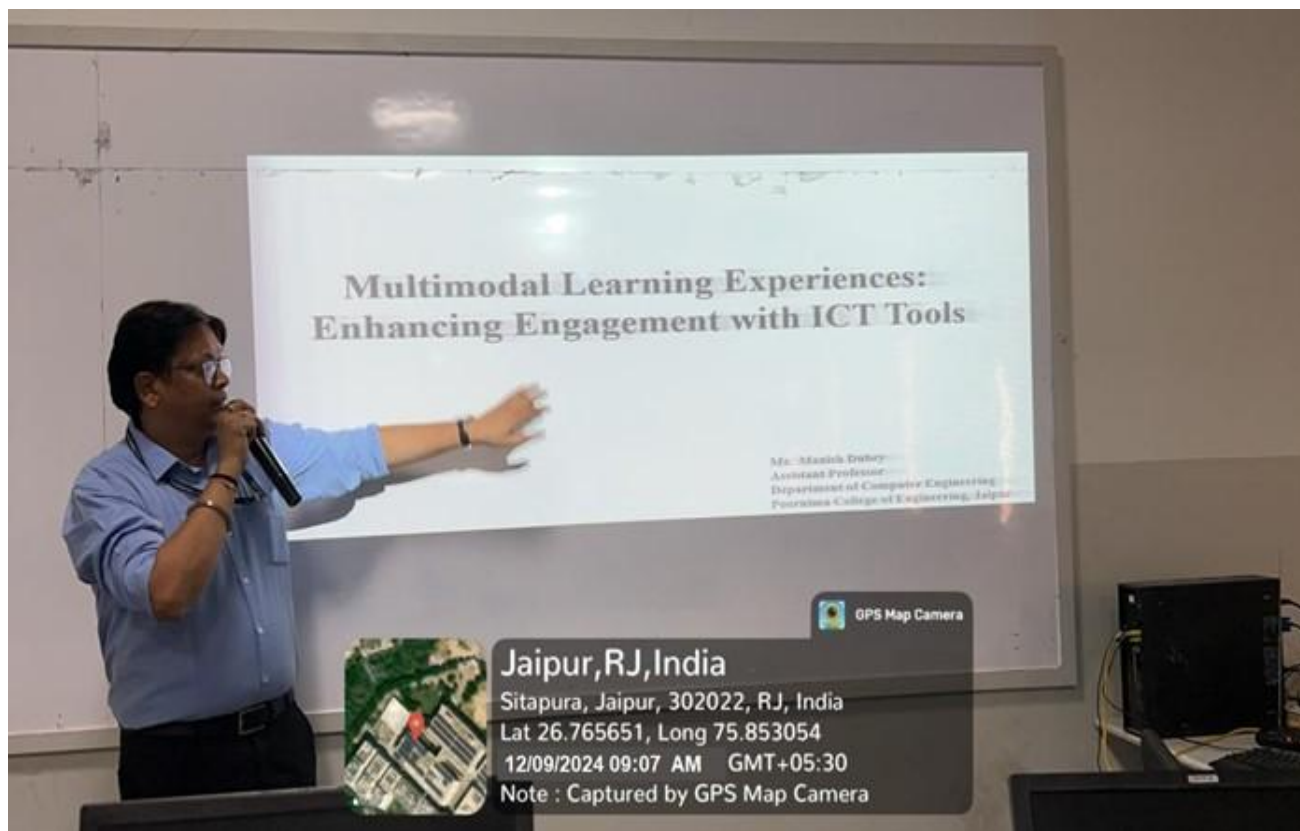


Figure 2. Antilog Amplifier

$$V_O = -R I_s e^{(V_{in}/V_T)}$$





Pic: Mr. Manish Dubey Delivered by a lecture on Multimodal Learning Experiences: Enhancing Engagement with ICT Tools

Department of Electrical Engineering, PCE
Detaild of ICT Tools Used

S.no.	Session	Date of Start	Date of End	Coordinator of Acitvity	Type of Activity	Full Name of the Activity	Details of Expert	Remarks
1	2023 - 24	25 September 2023	25 September 2023	Dr. Pankaj Gakhar	Seminar	LinkedIn – Building a Better Linked In Profile for Increased Visibility	Prof. Devyani Chakravarty Assistant Professor and chief mentor in ITM Skills University, Mumbai.	Report available
2	2023 - 24	01 November 2023	07 November 2023	Mr. Rachit Saxena, Mr. Vineet Sharma	Training	Solar & Renewable Energy Program for Advanced Level	Mr. Vishnu (Phd Pursuing) Senior Trainer Baba Automobile	Report available



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A REPORT ON

SEMINAR

- ♦ **NAME OF ACTIVITY:** “Seminar on LinkedIn – Building a Better Linked In Profile for Increased Visibility”
- ♦ **DATE & DURATION:** September 25, 2023 & 1 Hr.
- ♦ **TYPE OF ACTIVITY:** Extra Curricular
- ♦ **ORGANIZED BY:** Department of Electrical Engineering
- ♦ **LEARNING OUTCOMES:**
 1. Students will understand key components of an effective LinkedIn profile.
 2. Students will be able Learn how to showcase achievements and experiences to create a compelling narrative.
 3. Students will have encouragement of lifelong learning.
 4. Students will get overall development of communication skills.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
LO1	3												3		
LO2		3												3	
LO3												3			3
LO4										3					

♦ **FLYER / POSTER:**



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Seminar on

“LinkedIn - Building a Better Linked in Profile for Increased Visibility”



Prof. Devyani Chakravarty
Assistant Professor

Organized by:
Department of Electrical Engineering
Poornima College of Engineering

Monday, September 25, 2023
TIME 10:00 AM to 11:00 AM
2305, Seminar Hall (III-Floor)

RSVP:
Dr. Pravin Sonwane
Professor and Head, EE, PCE
☎ : pravin.sonwane@poornima.org • 📞 : +91-8805868462

Dr. Pankaj Gakhar
Associate Professor, EE, PCE
☎ : pankaj.gakhar@poornima.org • 📞 : +91-7737764255

- ♦ **DETAILS OF ACTIVITY:** A seminar was organized by the Department of Electrical Engineering of Poornima College of Engineering on Monday, September 25, 2023, on LinkedIn – Building a Better Linked In Profile for Increased Visibility by Prof. Devyani Chakravarty. The participants were almost all branch students of Poornima College of Engineering.

- ♦ **NOTICE:**

Poornima College of Engineering, Jaipur
Department of Electrical Engineering

Date: 20.09.23

Notice

Students are hereby informed that the Electrical Department is conducting a seminar on Seminar on LinkedIn – Building a Better Linked In Profile for Increased Visibility for our students on 25.09.2023.


Dr. Pravin M. Sonwane
Professor & Head
Electrical Engineering Department
Poornima College of Engineering, Jaipur

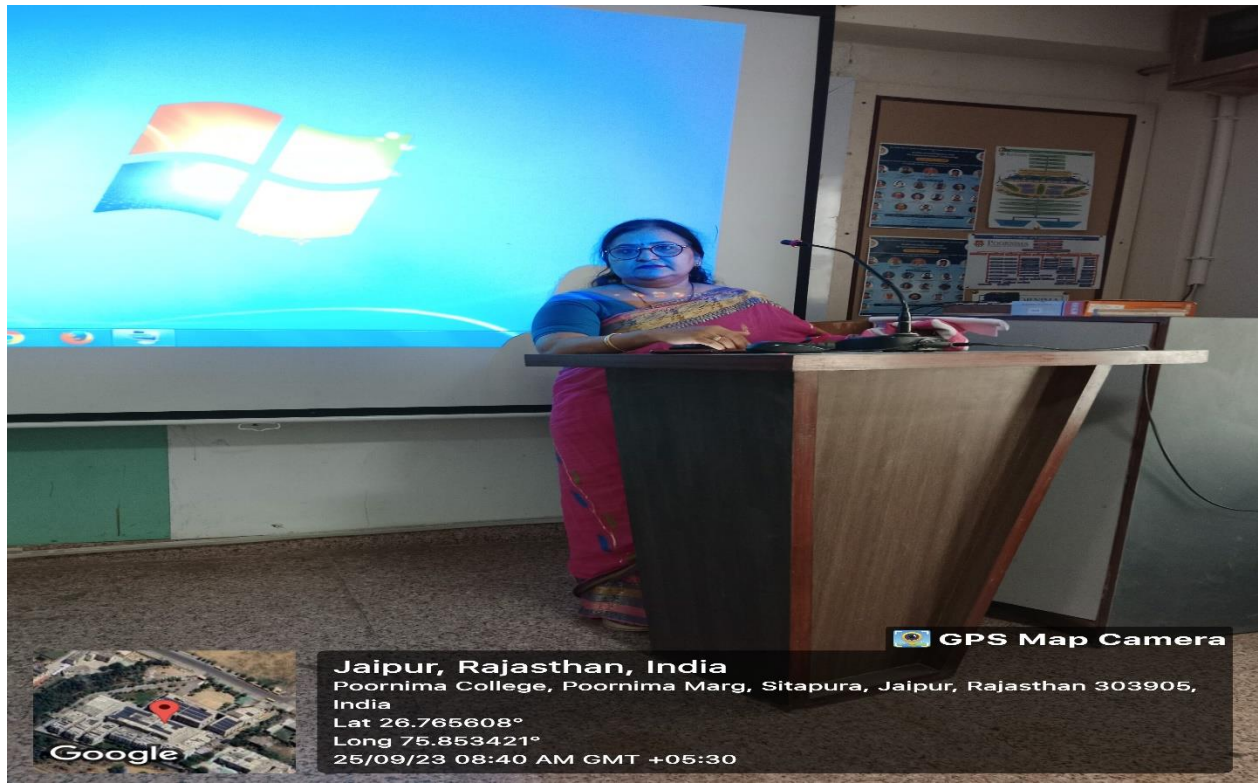
♦ **PROGRAM SCHEDULE:**

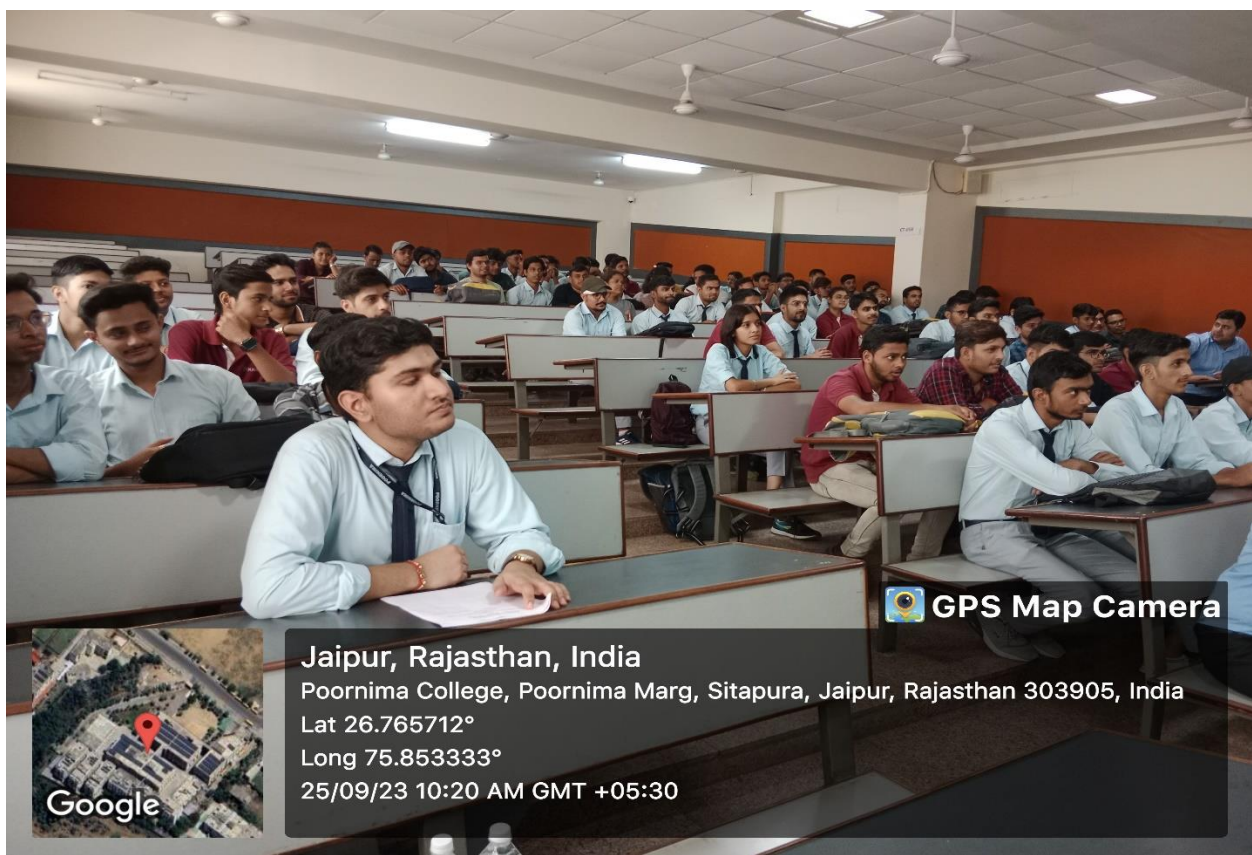
S.No	Activity	Duration	Time
1.	Welcome note and introduction of the Expert Session by Dr. Ekata Sharma	10 Min	10:00 – 10:10 AM
2.	Facilitation of Guest speaker by Dr. Pravin Sonwane	5 Min	10:10 – 10:15 AM
3.	Delivery of Talk by Prof. Devyani Chakravarty	40 Min	10:15 – 10:55 AM
4.	Vote of Thanks by Dr. Pankaj Gakhar	5 Min	10:55 - 11:00 AM

♦ **EXPERT DETAILS:**

Prof. Devyani Chakravarty is working as assistant professor and chief mentor in ITM Skills University, Mumbai. **Prof. Devyani Chakravarty** having more than 15 years of teaching experience in the field of Business Administration.

♦ GLIMPSES:







ATTENDANCE SHEET:

22

Poornima College of Engineering Department of Electrical Engineering Seminar On

LinkedIn – Building a Better Linked in Profile for Increased Visibility

Attendance Sheet

Date: 25/09/2023

S. No.	Name	Registration No.	Year / Semester	Signature
1	Tushar Tailor	PCE22EC030	3 rd sem.	Tushar
2	Devendra Kr. Suthar	PCE22EC010	3 rd sem.	Devendra
3	Dev Saimi	PCE22EC009	3 rd sem.	Dev Saimi
4	Vishant Kumar Meena	PCE22EE016	3 rd sem.	Vishant
5	MOHAMMED AMAAN	PCE22EE008	3 rd sem.	Amaan
6	MOHD SAHIL KHAN	PCE22EC020	3 rd sem.	Sahil
7	Yasham Daph	PCE22EC013	3 rd sem.	Yasham
8	Varun Singh Chauhan	PCE22EE010	3 rd sem.	Varun
9	Hansika Sathya	PCE22EC014	2 nd sem.	Hansika
10	Pankaj Bijaynig	PCE21EE014	5 th sem.	Pankaj
11	Anil Yadav	PCE21EE002	5 th sem.	Anil Yadav
12	Anil Bairwa	PCE22EC025	3 rd sem.	Anil
13	Anushka Khilpa	PCE22EC021	3 rd sem.	Anushka
14	Nishant Verma	PCE20EE012	7 th sem / 4 th Year	Nishant
15	Kunal Sain	PCE20EE008	4 th Year / VII Sem	Kunal
16	Sapna Kumari	PCE20EE016	4 th Year / VII Sem	Sapna
17	Avinash Kumar	PCE21EC003	3 rd year 5 th sem	Avinash
18	Rashmi Choudhary	PCE21EC510	3 rd year 5 th sem	Rashmi
19	MS Bhawana Sahani	PCE21EC004	3 rd year 5 th sem	Bhawana
20	HARSH KUMAR	PCE21EC006	3 rd year 5 th sem	Harsh
21	Rajeev Kumar Bora	PCE21EC014	3 rd year 5 th sem	Rajeev
22	Priyanshu Soni	PCE21EC013	3 rd year 5 th sem	Priyanshu
23	Rajendra Sodalhi	PCE21EC015	3 rd year 5 th sem	Rajendra
24	Abhishek	PCE21EC002	3 rd year 5 th sem	Abhishek
25	Yash vardhan	PCE21EC022	3 rd year 5 th sem	Yash
26	Ramakant Sharma	PCE21EC016	3 rd year 5 th sem	Ramkant
27	Deepak Sharma	PCE21EE007	3 rd year 5 th sem	Deepak
28	Anil Singh	PCE22ME006	3 rd year 5 th sem	Anil
29	Abhishek Yadav	PCE22ME004	3 rd year 5 th sem	Abhishek
30	Bhanu Pratap	PCE21ME002	3 rd year 5 th sem	Bhanu
31	Ashish Kumar	PCE22ME801	3 rd year 5 th sem	Ashish
32	Adarsh Kumar Sh	PCE22ME800	3 rd year 5 th sem	Adarsh
33	Robin Singh	PCE21ME017	3 rd year 5 th sem	Robin
34	Jayant Soni	PCE21ME007	3 rd year 5 th sem	Jayant

Poornima College of Engineering
Department of Electrical Engineering
Seminar

On
LinkedIn – Building a Better Linked in Profile for Increased
Visibility

Attendance Sheet

Date: 25/09/2023

			Roll No.	
1	Saurav Kumar	PCE22EE014	15	Saurav
2	Kailash Choudhary	PCE22EE007	07	Kailash
3	Yogesh Kumar	PCE22EE017	18	Yogesh
4	Deepak Dewatwal	PCE22EC008		Deepak
5	Nitin Agnihotri	PCE22EE011	12	Nitin
6	Nagendra Beda	PCE22EE009	10	Nagendra
7	Vishal Saini	PCE22EE015	16	Vishal
8	Anuj Sharma	PCE22EE002	02	Anuj Sharma
9	Shubhi Agarwal	PCE22EC022		Shubhi
10	Gaurav Sharma	PCE22EC012		Gaurav
11	Abhinandan Bhatt			
12	Divyam Sethi	PCE22EC027		Divyam Sethi
13	Vinay Pratap	PCE22EC031		Vinay
14	May Kumar Soni	PCE22EC006		May Kumar Soni
15	Anushka Chhipa	PCE22EC021		Anushka
16	Anil Bainswa	PCE22EC025		Anil
17	Yashdeep Yadav	PCE22EE026	26	Yashdeep Yadav
18	Ashu Haloi	PCE22EE702		Ashu
19	Vivek Bainswa	PCE21ME023	22	Vivek Bainswa
20	Raman Yadav	PCE21ME015	14	Raman Yadav
21	Manu Yadav	PCE21ME010	10	Manu Yadav
22	Raush Kumar	PCE21ME004	04	Raush
23	UTKARSH AGRAWAL	PCE21ME027	20	UTKARSH
24	Mohd. Yousuf Qureshi	PCE21EC011	13	Mohd. Yousuf
25	Rahil Angra	PCE21EC017	20	Rahil
26	Vaibhava Bainswa	PCE21EC012	14	Vaibhava
27	Devansh Singh	PCE21EC005	5	Devansh
28	Ashish Agrawal	PCE22ME003	02	Ashish
29	Rajput Anil	PCE22ME016	16	Rajput Anil
30	Abhinav Anand	PCE22ME002	01	Abhinav
31	Rishi Raj Saini	PCE22ME017	017	Rishi Raj
32	HEERALAL	PCE22ME010	10	HEERALAL
33	Anil kr. Meena	PCE22ME005	04	Anil kr. Meena
34	Bhuvanesh Saraswat	PCE22ME008	08	Bhuvanesh
35	Kritika	PCE22EE010		Kritika
36	Pritya	PCE21ME011	11	Pritya
37	Ashutosh Kumar	PCE22EC007	07	Ashutosh
38	Abhishek Kumar	PCE22EC003	02	Abhishek
39	Ashwini Nayyar	PCE22EE003	03	Ashwini
40	Mohit Joshi	PCE21ME009	09	Mohit
41	Tanmay Jangid	PCE21ME021	18	Tanmay
42	Mohshita Joshi	PCE21ME005	05	Mohshita
43	Prayanshu Sharma	PCE21EE015	14	Prayanshu

FEED BACK:



A Report of
Add-on course on
“Solar & Renewable Energy Program for Advanced Level”
(AOC-DEP-EE-SREAL)

November 1, 2023 to November 7, 2023

Coordinated by
Mr. Rachit Saxena
Mr. Vineet Sharma

Organized by



Department of Electrical Engineering
Poornima College of Engineering
Jaipur, Rajasthan- (India)

Contents

1. Course Brochure
2. Department Notice
3. Course Q-sheet
4. About the course
5. List of registered students
6. Highlights of the course sessions
7. List of students eligible for certification
8. Sample certificate format
9. Sample Feedback Form

1. Course Brochure

About the college

Poornima College of Engineering (PCE), established as a brand of Technical Education in the year 2000, has its own glorious legacy of leading the young engineers to the mammoth sky of success. Its accomplishments forecast its journey through the hardships and its triumph over them one after another. PCE left no stone unturned since its establishment in turning the glorious vision into unbelievable reality providing the platform for knowledge and research and their practical implementations in different engineering professional prospects.

About the department

The Journey of Department of Electrical Engineering was started in year 2000 with Poornima College of Engineering, Jaipur. National Board of Accreditation (NBA) accredited the undergraduate programme of the department of Electrical Engineering in the year 2009 and 2017 for three years & in 2020 for one year.

Add-on Course



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About the course

This course specialization entail is based on Solar and Renewable Energy. In this course students are able to understand solar and different types of renewable energy source from introduction level to advanced level.

**Solar & Renewable
Energy Program for
Advanced Level**

**November 1, 2023 to
November 7, 2023**

2. Department Notice

Poornima College of Engineering, Jaipur
Department of Electrical Engineering

Date: 28.10.23

Notice

It is notified for all the students of the 2nd and 3rd Year that the Department is going to organize Add-on Course on (AOC-DEP-EE-SREAL) "Solar & Renewable Energy Program for Advanced Level", for students of the 2nd and 3rd Year for their benefits in the near future. The duration of the course will be of 36 contact hours. If any Query regarding add on course contact to Mr. Rachit Saxena

Note:

1. The course is free of cost.
2. Minimum 75% attendance is mandatory.

The successful candidates will be issued certificates by the college



Dr. Pravin M. Sonwane
Professor & Head
Electrical Engineering Department
Poornima College of Engineering, Jaipur

3. Q-Sheet

S.No	Activity	Duration	Day & Date	Time
1.	Overview of renewable energy sources (solar, wind, hydro, geothermal, biomass) Overview of Power development	3 Hour	01-11-2023	08:30 to 11:30 AM
2.	Global overview of renewable energy Solar Energy Fundamentals Wind Energy Hydroelectric and Ocean Energy Geothermal and Biomass Energy	3 Hour	01-11-2023	12:20 to 03:20 PM
3	Principles of solar power (solar, photovoltaic, solar thermal). - Photovoltaic (PV) Solar Power - Photovoltaic Effect - Solar Cells - Conversion of Sunlight to Electricity. - Efficiency - Orientation and Tilt - Grid-Tied Systems	3 Hour	02-11-2023	08:30 to 11:30 AM
4	Principles of solar power (solar, photovoltaic, solar thermal). - Off-Grid Systems - Solar Thermal Power - Concentrating Solar Power (CSP) - Solar Water Heaters heat to water. - Storage Systems	3 Hour	02-11-2023	12:20 to 03:20 PM
5	Energy Scenario. - Energy Sources - Energy Consumption - Energy Production and Infrastructure - Environmental Impact - Energy Efficiency	3 Hour	03-11-2023	08:30 to 11:30 AM
6	- Energy Policy and Regulation - Energy Security - Technological Advances - International Cooperation - Economic Factors	3 Hour	03-11-2023	12:20 to 03:20 PM

**Report of add-on course from
November 1, 2023 to November 7, 2023**

**Solar & Renewable Energy Program for Advanced Level
(AOC-DEP-EE-SREAL)**

7	Non-Conventional Energy • Solar Energy • Wind Energy • Hydropower (Hydroelectric Energy) • Geothermal Energy	3 Hour	04-11-2023	08:30 to 11:30 AM
8	• Biomass Energy • Tidal and Wave Energy • Hydrogen Energy • Nuclear Energy	3 Hour	04-11-2023	12:20 to 03:20 PM
9	MPPT Controller. • Maximizing Solar Panel Efficiency • Dynamic Adjustment • Increased Energy Production • Compatibility with Battery Systems • Multiple PV Array Compatibility • Enhanced Flexibility	3 Hour	06-11-2023	08:30 to 11:30 AM
10	Radiation Energy. • Electromagnetic Radiation • Gamma Rays and X-rays • Visible Light • Infrared and Microwaves • Radio Waves • Nuclear Radiation • Solar Radiation • Thermal Radiation • Cosmic Radiation • Ionizing Radiation • Non-Ionizing Radiation • Electromagnetic Radiation Sources Converters: • Boost Convertor. • Buck Convertor.	3 Hour	06-11-2023	12:20 to 03:20 PM
11	Hands on Practice / Projects Preparation	3 Hour	07-11-2023	08:30 to 11:30 AM
12	Projects Preparation	3 Hour	07-11-2023	12:20 to 03:20 PM

4. About the Course

Course Name: Solar & Renewable Energy Program for Advanced Level (AOC-DEP-EE-SREAL)

Course Summary: This course offers you advanced knowledge within the field of photovoltaic system technology. The students will learn about the solar resource and how photovoltaic energy conversion is used to produce electric power. From this fundamental starting point we'll cover the design and fabrication of different solar cell and module technologies, the various photovoltaic system components, how to design a photovoltaic plant and carry out energy yield simulations, essentials in energy economics, O&M and reliability assessment, as well as the role of photovoltaic energy in sustainable energy systems.

Enrollment Criteria:

1. Participants must be interested and engineering student (II/III Yr Only)

Course Outcomes:

1. Students will be able to understand the principle of direct solar energy conversion to power using PV .
2. Students will be able to Contrast the performance measures of PV.
3. Students will be able to Infer on various solar cells & design aspects of solar PV.
4. Students will be able to Develop ideas for working on solar PV systems & associated safety practices

Course Outcomes & Program Outcomes Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1				3		3						3			
CO2				3						3		3			
CO3					3	3			3			3			
CO4				3		3									
CO5															
Target				3	3	3			3	3		3			

COURSE PREREQUISITES: Basic Electrical Engineering, Power System, Control System

Course Duration: 36 Hours

Course Outline:

Module	Contents	Hours
1	Overview of renewable energy sources (solar, wind, hydro, geothermal, biomass) Overview of Power development Global overview of renewable energy Solar Energy Fundamentals Wind Energy Hydroelectric and Ocean Energy Geothermal and Biomass Energy Principles of solar power (solar, photovoltaic, solar thermal). • Photovoltaic (PV) Solar Power • Photovoltaic Effect • Solar Cells • Conversion of Sunlight to Electricity. • Efficiency • Orientation and Tilt • Grid-Tied Systems	9 Hours
2	Principles of solar power (solar, photovoltaic, solar thermal). • Off-Grid Systems • Solar Thermal Power • Concentrating Solar Power (CSP) • Solar Water Heaters heat to water. • Storage Systems Energy Scenario. • Energy Sources • Energy Consumption • Energy Production and Infrastructure • Environmental Impact • Energy Efficiency • Energy Policy and Regulation • Energy Security • Technological Advances • International Cooperation • Economic Factors	9 Hours

3	Non-Conventional Energy • Solar Energy • Wind Energy • Hydropower (Hydroelectric Energy) • Geothermal Energy • Biomass Energy • Tidal and Wave Energy • Hydrogen Energy • Nuclear Energy MPPT Controller. • Maximizing Solar Panel Efficiency • Dynamic Adjustment • Increased Energy Production • Compatibility with Battery Systems • Multiple PV Array Compatibility • Enhanced Flexibility	9 Hours
4	Radiation Energy. • Electromagnetic Radiation • Gamma Rays and X-rays • Visible Light • Infrared and Microwaves • Radio Waves • Nuclear Radiation • Solar Radiation • Thermal Radiation • Cosmic Radiation • Ionizing Radiation • Non-Ionizing Radiation • Electromagnetic Radiation Sources Converters: • Boost Convertor. • Buck Convertor. Hands on Practice / Projects Preparation	9 Hours

Trainer Name: Mr. Vishnu Mawandia

References:

1. Chetan Singh Solanki “Solar PV technology and system”, PHI learning private limited, 2015.
2. Luque A. L. and Andreev V.M., “Concentrator Photovoltaic”, Springer, 2007.
3. Partain L.D., Fraas L.M., “Solar Cells and Their Applications”, 2nd ed., Wiley, 2010.
4. S.P. Sukhatme, J.K.Nayak., “Solar Energy”, Tata McGraw Hill Education Private Limited, New Delhi, 2010.
5. R.K Pachauri “From Sun light to Electricity” TERI, 15th Reprint , 2013

5. List of Registered Students

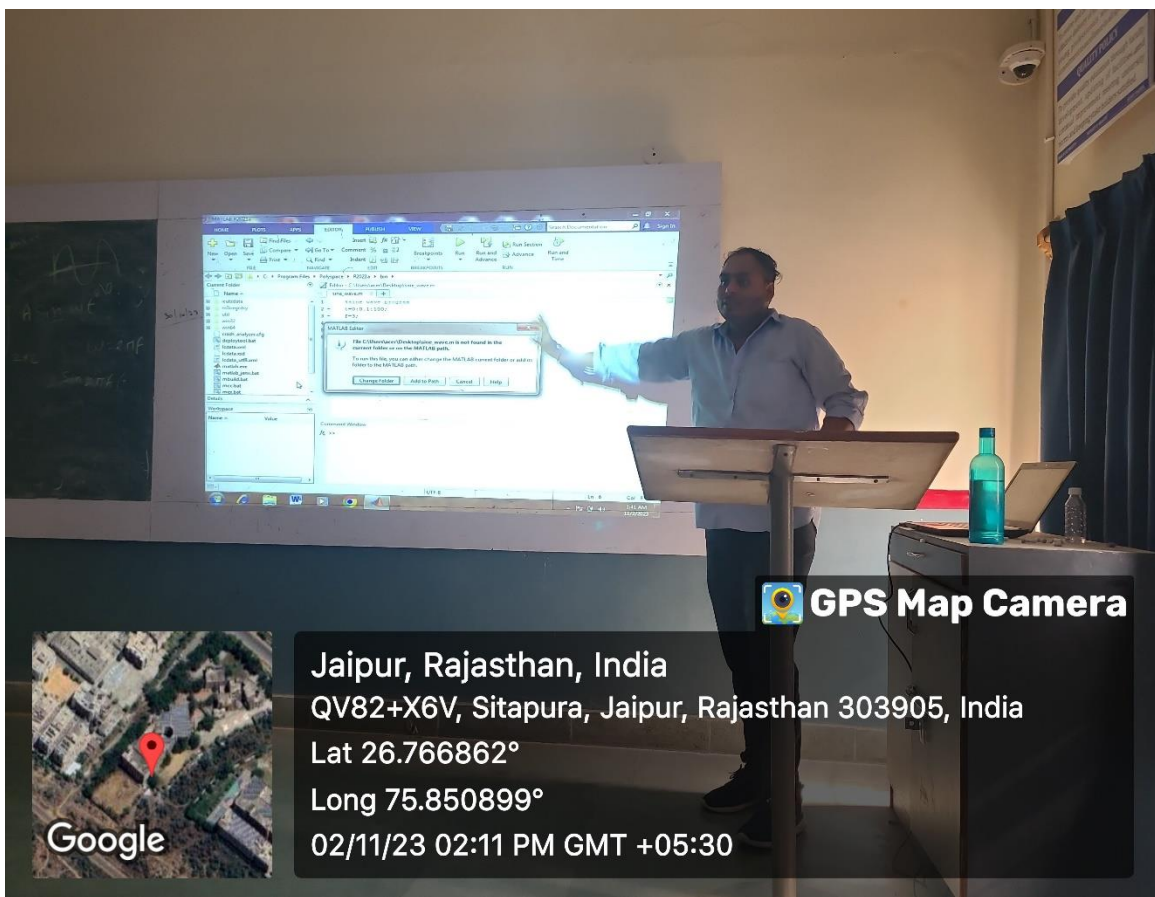
S.No.	Name of Student	Roll No.	Year	Semester
1	AMAAN KHAN	PCE21EE001	III	V
2	ANUJ YADAV	PCE21EE002	III	V
3	ARPIT KUMAR GUPTA	PCE21EE003	III	V
4	ARYAN CHOUDHARY	PCE21EE004	III	V
5	DEBNIL MAHAPATRA	PCE21EE006	III	V
6	DEEPAK SHARMA	PCE21EE007	III	V
7	GAGANDEEP	PCE21EE008	III	V
8	HIMANSHU NAMA	PCE21EE009	III	V
9	KRITIKA CHAWALA	PCE21EE010	III	V
10	MD ASIF ALI	PCE21EE011	III	V
11	NIKHIL SHARMA	PCE21EE013	III	V
12	PANKAJ BIJARNIYA	PCE21EE014	III	V
13	PRIYANSHU SHARMA	PCE21EE015	III	V
14	PUNEET SARASWAT	PCE21EE016	III	V
15	RAJKUMAR BOCHALIYA	PCE21EE017	III	V
16	RAM NARAYAN JAT	PCE21EE018	III	V
17	RAMCHI MEENA	PCE21EE019	III	V
18	RAVI SAINI	PCE21EE020	III	V
19	ROHIT KUMAR	PCE21EE021	III	V
20	SHER SINGH MEENA	PCE21EE022	III	V
21	SHUBHAM KUMAR YOGI	PCE21EE023	III	V
22	SHUBHAM VERMA	PCE21EE024	III	V
23	VINAY SHARMA	PCE21EE025	III	V
24	YATENDER YADAV	PCE21EE026	III	V
25	RAJKUMAR	PCE21EE027	III	V
26	PEERZADA ABDUL HADIE SHAH	PCE22EE702	III	V

S.No.	Name of Student	Roll No.	Year	Semester
1	AKASH KUMAR	PCE22EE001	II	III
2	ANUJ SHARMA	PCE22EE002	II	III
3	ASHVINI NAGAR	PCE22EE003	II	III
4	BALKRISHAN SHARMA	PCE22EE004	II	III
5	HARSH PAREEK	PCE22EE005	II	III
6	JAIPAL	PCE22EE006	II	III
7	KAILASH CHOUDHARY	PCE22EE007	II	III
8	Vinay Pratap Singh	PCE22EC031	II	III
9	MOHAMMED AMAAN	PCE22EE008	II	III
10	NAGENDRA BEDA	PCE22EE009	II	III
11	NAMAN SINGH CHOUHAN	PCE22EE010	II	III
12	NITIN AGNIHOTRI	PCE22EE011	II	III
13	RAHUL SHARMA	PCE22EE012	II	III
14	SANJAY BAIRWA	PCE22EE013	II	III
15	SAURAV KUMAR	PCE22EE014	II	III
16	VISHAL SAINI	PCE22EE015	II	III
17	VISHANT KUMAR MEENA	PCE22EE016	II	III
18	YOGESH KUMAWAT	PCE22EE017	II	III

6. Highlights of the Course Sessions







Report of add-on course from
November 1, 2023 to November 7, 2023

Solar & Renewable Energy Program for Advanced Level
(AOC-DEP-EE-SREAL)



Report of add-on course from
November 1, 2023 to November 7, 2023

Solar & Renewable Energy Program for Advanced Level
(AOC-DEP-EE-SREAL)





Report of add-on course from
November 1, 2023 to November 7, 2023

Solar & Renewable Energy Program for Advanced Level
(AOC-DEP-EE-SREAL)



7. Attendance List of Students

Poornima College of Engineering, Jaipur
Department of Electrical Engineering

Add on Course: Renewable Energy
Attendance Sheet

Date: 07/11/2022

S.No.	Name of Student	Roll No.	Year	Semester	Pre Lunch Session Signature	Post Lunch Session Signature
1	AMAAN KHAN	PCE21EE001	III	V	Amaan	Amaan
2	ANUJ YADAV	PCE21EE002	III	V	Anuj	Anuj
3	ARPIT KUMAR GUPTA	PCE21EE003	III	V	Arpit	Arpit
4	ARYAN CHOUDHARY	PCE21EE004	III	V	Aryan	Aryan
5	DEBNIL MAHAPATRA	PCE21EE006	III	V	Debnil	Debnil
6	DEEPAK SHARMA	PCE21EE007	III	V	Deepak	Deepak
7	GAGANDEEP	PCE21EE008	III	V		
8	HIMANSHU NAMA	PCE21EE009	III	V	Himanshu	Himanshu
9	KRITIKA CHAWALA	PCE21EE010	III	V	Kritika	Kritika
10	MD ASIF ALI	PCE21EE011	III	V	Asif	Asif
11	NIKHIL SHARMA	PCE21EE013	III	V	Nikhil	Nikhil
12	PANKAJ BIJARNIYA	PCE21EE014	III	V	Pankaj	Pankaj
13	PRIYANSHU SHARMA	PCE21EE015	III	V	Priyanshu	Priyanshu
14	PUNEET SARASWAT	PCE21EE016	III	V	Puneet	Puneet
15	RAJKUMAR BOCHALIYA	PCE21EE017	III	V	Rajkumar	Rajkumar
16	RAM NARAYAN JAT	PCE21EE018	III	V	Ram	Ram
17	RAMCHIJ MEENA	PCE21EE019	III	V		
18	RAVI SAINI	PCE21EE020	III	V	Ravi	Ravi
19	ROHIT KUMAR	PCE21EE021	III	V	Rohit	Rohit
20	SHER SINGH MEENA	PCE21EE022	III	V	Sher Singh	Sher Singh
21	SHUBHAM KUMAR YOGI	PCE21EE023	III	V	Shubham	Shubham
22	SHUBHAM VERMA	PCE21EE024	III	V	Shubham	Shubham
23	VINAY SHARMA	PCE21EE025	III	V	Vinay	Vinay
24	YATENDER YADAV	PCE21EE026	III	V	Yatender	Yatender
25	RAJKUMAR	PCE21EE027	III	V	Rajkumar	Rajkumar
26	PEERZADA ABDUL HADIE SHAH	PCE22EE702	III	V	Peerzada	Peerzada

Poornima College of Engineering, Jaipur

Department of Electrical Engineering

Add on Course: Renewable Energy

Attendance Sheet

Date: 07/11/2023

S.No.	Name of Student	Roll No.	Year	Semester	Pre Lunch Session Signature	Post Lunch Session Signature
1	AKASH KUMAR	PCE22EE001	II	III	<i>[Signature]</i>	<i>[Signature]</i>
2	ANUJ SHARMA	PCE22EE002	II	III	<i>[Signature]</i>	<i>[Signature]</i>
3	ASHVINI NAGAR	PCE22EE003	II	III	<i>[Signature]</i>	<i>[Signature]</i>
4	BALKRISHAN SHARMA	PCE22EE004	II	III	<i>[Signature]</i>	<i>[Signature]</i>
5	HARSH PAREEK	PCE22EE005	II	III	<i>[Signature]</i>	<i>[Signature]</i>
6	JAIPAL	PCE22EE006	II	III	<i>[Signature]</i>	<i>[Signature]</i>
7	KAILASH CHOUDHARY	PCE22EE007	II	III	<i>[Signature]</i>	<i>[Signature]</i>
8	Vinay Pratap Singh	PCE22EE031	II	III	<i>[Signature]</i>	<i>[Signature]</i>
9	MOHAMMED AMAAN	PCE22EE008	II	III	<i>[Signature]</i>	<i>[Signature]</i>
10	NAGENDRA BEDA	PCE22EE009	II	III	<i>[Signature]</i>	<i>[Signature]</i>
11	NAMAN SINGH CHOUHAN	PCE22EE010	II	III	<i>[Signature]</i>	<i>[Signature]</i>
12	NITIN AGNIHOTRI	PCE22EE011	II	III	<i>[Signature]</i>	<i>[Signature]</i>
13	RAHUL SHARMA	PCE22EE012	II	III	<i>[Signature]</i>	<i>[Signature]</i>
14	SANJAY BAIRWA	PCE22EE013	II	III	<i>[Signature]</i>	<i>[Signature]</i>
15	SAURAV KUMAR	PCE22EE014	II	III	<i>[Signature]</i>	<i>[Signature]</i>
16	VISHAL SAINI	PCE22EE015	II	III	<i>[Signature]</i>	<i>[Signature]</i>
17	VISHANT KUMAR MEENA	PCE22EE016	II	III	<i>[Signature]</i>	<i>[Signature]</i>
18	YOGESH KUMAWAT	PCE22EE017	II	III	<i>[Signature]</i>	<i>[Signature]</i>

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Poornima College of Engineering, Jaipur
Department of Electrical Engineering

Add on Course: Renewable Energy
Attendance Sheet

Date : 06/11/2023

S.No.	Name of Student	Roll No.	Year	Sem	Pre Lunch Session Signature	Post Lunch Session Signature
1	AMAAN KHAN	PCE21EE001	III	V	Amaan	Amaan
2	ANUJ YADAV	PCE21EE002	III	V	Anuj Yadav	Anuj Yadav
3	ARPIT KUMAR GUPTA	PCE21EE003	III	V		
4	ARYAN CHOUDHARY	PCE21EE004	III	V	Aryan	Aryan
5	DEBNIL MAHAPATRA	PCE21EE006	III	V	Debnil	Debnil
6	DEEPAK SHARMA	PCE21EE007	III	V	Deepak	Deepak
7	GAGANDEEP	PCE21EE008	III	V		
8	HIMANSHU NAMA	PCE21EE009	III	V		
9	KRITIKA CHAWALA	PCE21EE010	III	V	Kritika	Kritika
10	MD ASIF ALI	PCE21EE011	III	V	Asif Ali	Asif Ali
11	NIKHIL SHARMA	PCE21EE013	III	V	Nikhil	Nikhil
12	PANKAJ BIJARNIYA	PCE21EE014	III	V	Pankaj	Pankaj
13	PRIYANSHU SHARMA	PCE21EE015	III	V	Priyanshu	Priyanshu
14	PUNEET SARASWAT	PCE21EE016	III	V	Puneet	Puneet
15	RAJKUMAR BOCHALIYA	PCE21EE017	III	V	Rajkumar	Rajkumar
16	RAM NARAYAN JAT	PCE21EE018	III	V	Ram N.J.	Ram N.J.
17	RAMCHIJ MEENA	PCE21EE019	III	V	Ram	Ram
18	RAVI SAINI	PCE21EE020	III	V	Ravi	Ravi
19	ROHIT KUMAR	PCE21EE021	III	V	Rohit	Rohit
20	SHER SINGH MEENA	PCE21EE022	III	V	Sher Singh	Sher Singh
21	SHUBHAM KUMAR YOGI	PCE21EE023	III	V	Shubham	Shubham
22	SHUBHAM VERMA	PCE21EE024	III	V	Shubham	Shubham
23	VINAY SHARMA	PCE21EE025	III	V	Vinay	Vinay
24	YATENDER YADAV	PCE21EE026	III	V	Yatender	Yatender
25	RAJKUMAR	PCE21EE027	III	V	Rajkumar	Rajkumar
26	PEERZADA ABDUL HADIE SHAH	PCE22EE702	III	V	Peerzada	Peerzada

Poornima College of Engineering, Jaipur

Department of Electrical Engineering

Add on Course: Renewable Energy

Attendance Sheet

Date : 06/11/2023

S.No.	Name of Student	Roll No.	Year	Semester	Pre Lunch Session Signature	Post Lunch Session Signature
1	AKASH KUMAR	PCE22EE001	II	III	Akash	Akash
2	ANUJ SHARMA	PCE22EE002	II	III	Anuj	Anuj
3	ASHVINI NAGAR	PCE22EE003	II	III	Ashwani	Ashwani
4	BALKRISHAN SHARMA	PCE22EE004	II	III	Balkrishna	Balkrishna
5	HARSH PAREEK	PCE22EE005	II	III	Harsh	Harsh
6	JAIPAL	PCE22EE006	II	III		
7	KAILASH CHOUDHARY	PCE22EE007	II	III	Kailash	Kailash
8	Vinay Pratap Singh	PCE22EE031	II	III	Vinay	Vinay
9	MOHAMMED AMAAN	PCE22EE008	II	III	AMAN	AMAN
10	NAGENDRA BEDA	PCE22EE009	II	III	Naga	Naga
11	NAMAN SINGH CHOUHAN	PCE22EE010	II	III	Naman	Naman
12	NITIN AGNIHOTRI	PCE22EE011	II	III	Nitin	Nitin
13	RAHUL SHARMA	PCE22EE012	II	III	Rahul Sharma	Rahul Sharma
14	SANJAY BAIRWA	PCE22EE013	II	III	Sanjay	Sanjay
15	SAURAV KUMAR	PCE22EE014	II	III	Saurav	Saurav
16	VISHAL SAINI	PCE22EE015	II	III	Vishal	Vishal
17	VISHANT KUMAR MEENA	PCE22EE016	II	III	Vishant	Vishant
18	YOGESH KUMAWAT	PCE22EE017	II	III	Yogesh	Yogesh

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Poornima College of Engineering, Jaipur
Department of Electrical Engineering

Add on Course: Renewable Energy
Attendance Sheet

Date: 04/11/2023

S.No.	Name of Student	Roll No.	Year	Sem	Pre Lunch Session Signature	Post Lunch Session Signature
1	AMAAN KHAN	PCE21EE001	III	V	<i>Am</i>	<i>Am</i>
2	ANUJ YADAV	PCE21EE002	III	V	<i>Anuj Yadav</i>	<i>Anuj Yadav</i>
3	ARPIT KUMAR GUPTA	PCE21EE003	III	V	<i>अर्पित गुप्ता</i>	<i>अर्पित गुप्ता</i>
4	ARYAN CHOUDHARY	PCE21EE004	III	V	<i>Aryan</i>	<i>Aryan</i>
5	DEBNIL MAHAPATRA	PCE21EE006	III	V	<i>Debnil</i>	<i>Debnil</i>
6	DEEPAK SHARMA	PCE21EE007	III	V	<i>Deepak</i>	<i>Deepak</i>
7	GAGANDEEP	PCE21EE008	III	V		
8	HIMANSHU NAMA	PCE21EE009	III	V		
9	KRITIKA CHAWALA	PCE21EE010	III	V	<i>Kritika</i>	<i>Kritika</i>
10	MD ASIF ALI	PCE21EE011	III	V	<i>Asif Ali</i>	<i>Asif Ali</i>
11	NIKHIL SHARMA	PCE21EE013	III	V	<i>Nikhil</i>	<i>Nikhil</i>
12	PANKAJ BIJARNIYA	PCE21EE014	III	V	<i>Pankaj</i>	<i>Pankaj</i>
13	PRIYANSHU SHARMA	PCE21EE015	III	V	<i>Priyanshu</i>	<i>Priyanshu</i>
14	PUNEET SARASWAT	PCE21EE016	III	V	<i>Puneet</i>	<i>Puneet</i>
15	RAJKUMAR BOCHALIYA	PCE21EE017	III	V	<i>Raj Kumar</i>	<i>Raj Kumar</i>
16	RAM NARAYAN JAT	PCE21EE018	III	V	<i>Ram N.J.</i>	<i>Ram N.J.</i>
17	RAMCHIJ MEENA	PCE21EE019	III	V	<i>Ram</i>	<i>Ram</i>
18	RAVI SAINI	PCE21EE020	III	V	<i>Ravi</i>	<i>Ravi</i>
19	ROHIT KUMAR	PCE21EE021	III	V	<i>Rohit</i>	<i>Rohit</i>
20	SHER SINGH MEENA	PCE21EE022	III	V	<i>Sher Singh</i>	<i>Sher Singh</i>
21	SHUBHAM KUMAR YOGI	PCE21EE023	III	V	<i>Shubham</i>	<i>Shubham</i>
22	SHUBHAM VERMA	PCE21EE024	III	V	<i>Shubham</i>	<i>Shubham</i>
23	VINAY SHARMA	PCE21EE025	III	V	<i>Vinay</i>	<i>Vinay</i>
24	YATENDER YADAV	PCE21EE026	III	V	<i>Yatender Yadav</i>	<i>Yatender Yadav</i>
25	RAJKUMAR	PCE21EE027	III	V	<i>Raj</i>	<i>Raj</i>
26	PEERZADA ABDUL HADIE SHAH	PCE22EE702	III	V	<i>Peerzada</i>	<i>Peerzada</i>

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Poornima College of Engineering, Jaipur

Department of Electrical Engineering

Add on Course: Renewable Energy

Attendance Sheet

Date : 04/11/2023

S.No.	Name of Student	Roll No.	Year	Semester	Pre Lunch Session Signature	Post Lunch Session Signature
1	AKASH KUMAR	PCE22EE001	II	III	Akash	Akash
2	ANUJ SHARMA	PCE22EE002	II	III	Anuj	
3	ASHVINI NAGAR	PCE22EE003	II	III	Ashwin	Ashwin
4	BALKRISHAN SHARMA	PCE22EE004	II	III	Balkrish	Balkrish
5	HARSH PAREEK	PCE22EE005	II	III	Harsh	Harsh
6	JAIPAL	PCE22EE006	II	III		
7	KAILASH CHOUDHARY	PCE22EE007	II	III	Kailash	Kailash
8	Vinay Pratap Singh	PCE22EE031	II	III	Vinay	Vinay
9	MOHAMMED AMAAN	PCE22EE008	II	III	Amaan	Amaan
10	NAGENDRA BEDA	PCE22EE009	II	III	N	N
11	NAMAN SINGH CHOUHAN	PCE22EE010	II	III	Naman	Naman
12	NITIN AGNIHOTRI	PCE22EE011	II	III	Nitin	Nitin
13	RAHUL SHARMA	PCE22EE012	II	III		
14	SANJAY BAIRWA	PCE22EE013	II	III	Sanjay	Sanjay
15	SAURAV KUMAR	PCE22EE014	II	III	Saurav	Saurav
16	VISHAL SAINI	PCE22EE015	II	III	Vishal	Vishal
17	VISHANT KUMAR MEENA	PCE22EE016	II	III	Vishant	Vishant
18	YOGESH KUMAWAT	PCE22EE017	II	III	Yogesh	Yogesh

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Poornima College of Engineering, Jaipur
Department of Electrical Engineering

Add on Course: Renewable Energy
Attendance Sheet

Date: 03/11/2023

S.No.	Name of Student	Roll No.	Year	Sem	Pre Lunch Session Signature	Post Lunch Session Signature
1	AMAAN KHAN	PCE21EE001	III	V	<i>Ammaan Khan</i>	<i>Ammaan Khan</i>
2	ANUJ YADAV	PCE21EE002	III	V	<i>Anuj Yadav</i>	<i>Anuj Yadav</i>
3	ARPIT KUMAR GUPTA	PCE21EE003	III	V	<i>Arpit Gupta</i>	<i>Arpit Gupta</i>
4	ARYAN CHOUDHARY	PCE21EE004	III	V	<i>Aryan Choudhary</i>	<i>Aryan Choudhary</i>
5	DEBNIL MAHAPATRA	PCE21EE006	III	V	<i>Debnil Mahapatra</i>	<i>Debnil Mahapatra</i>
6	DEEPAK SHARMA	PCE21EE007	III	V	<i>Deepak Sharma</i>	<i>Deepak Sharma</i>
7	GAGANDEEP	PCE21EE008	III	V	<i>Gagan Deep</i>	<i>Gagan Deep</i>
8	HIMANSHU NAMA	PCE21EE009	III	V		
9	KRITIKA CHAWALA	PCE21EE010	III	V	<i>Kritika Chawala</i>	<i>Kritika Chawala</i>
10	MD ASIF ALI	PCE21EE011	III	V	<i>MD Asif Ali</i>	<i>MD Asif Ali</i>
11	NIKHIL SHARMA	PCE21EE013	III	V	<i>Nikhil Sharma</i>	<i>Nikhil Sharma</i>
12	PANKAJ BIJARNIYA	PCE21EE014	III	V	<i>Pankaj Bijarniya</i>	<i>Pankaj Bijarniya</i>
13	PRIYANSHU SHARMA	PCE21EE015	III	V	<i>Priyanshu Sharma</i>	<i>Priyanshu Sharma</i>
14	PUNEET SARASWAT	PCE21EE016	III	V	<i>Puneet Saraswat</i>	<i>Puneet Saraswat</i>
15	RAJKUMAR BOCHALIYA	PCE21EE017	III	V	<i>Raj Kumar Bochaliya</i>	<i>Raj Kumar Bochaliya</i>
16	RAM NARAYAN JAT	PCE21EE018	III	V	<i>Ram Narayan Jat</i>	<i>Ram Narayan Jat</i>
17	RAMCHIJ MEENA	PCE21EE019	III	V	<i>Ram Chij Meena</i>	<i>Ram Chij Meena</i>
18	RAVI SAINI	PCE21EE020	III	V	<i>Ravi Saini</i>	<i>Ravi Saini</i>
19	ROHIT KUMAR	PCE21EE021	III	V	<i>Rohit Kumar</i>	<i>Rohit Kumar</i>
20	SHER SINGH MEENA	PCE21EE022	III	V	<i>Sher Singh Meena</i>	<i>Sher Singh Meena</i>
21	SHUBHAM KUMAR YOGI	PCE21EE023	III	V	<i>Shubham Kumar Yogi</i>	<i>Shubham Kumar Yogi</i>
22	SHUBHAM VERMA	PCE21EE024	III	V	<i>Shubham Verma</i>	<i>Shubham Verma</i>
23	VINAY SHARMA	PCE21EE025	III	V	<i>Vinay Sharma</i>	<i>Vinay Sharma</i>
24	YATENDER YADAV	PCE21EE026	III	V	<i>Yatender Yadav</i>	<i>Yatender Yadav</i>
25	RAJKUMAR	PCE21EE027	III	V	<i>Raj Kumar</i>	<i>Raj Kumar</i>
26	PEERZADA ABDUL HADIE SHAH	PCE22EE702	III	V	<i>Peerzada Abdul Hadie Shah</i>	<i>Peerzada Abdul Hadie Shah</i>

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Poornima College of Engineering, Jaipur

Department of Electrical Engineering

Add on Course: Renewable Energy

Attendance Sheet

Date: 03/11/2023

S.No.	Name of Student	Roll No.	Year	Semester	Pre Lunch Session Signature	Post Lunch Session Signature
1	AKASH KUMAR	PCE22EE001	II	III	Akash	Anurag
2	ANUJ SHARMA	PCE22EE002	II	III	Anurag	Anurag
3	ASHVINI NAGAR	PCE22EE003	II	III	Anurag	Anurag
4	BALKRISHAN SHARMA	PCE22EE004	II	III	Balkrish	Balkrish
5	HARSH PAREEK	PCE22EE005	II	III	Harsh	Harsh
6	JAIPAL	PCE22EE006	II	III	Jai Pal	Jai Pal
7	KAILASH CHOUDHARY	PCE22EE007	II	III	Kailash	Kailash
8	Vinay Pratap Singh	PCE22EC031	II	III	Vinay	Vinay
9	MOHAMMED AMAAN	PCE22EE008	II	III	Amaan	Amaan
10	NAGENDRA BEDA	PCE22EE009	II	III	Nagendra	Nagendra
11	NAMAN SINGH CHOUHAN	PCE22EE010	II	III	Naman	Naman
12	NITIN AGNIHOTRI	PCE22EE011	II	III	Nitin	Nitin
13	RAHUL SHARMA	PCE22EE012	II	III	Rahul	Rahul
14	SANJAY BAIRWA	PCE22EE013	II	III	Sanjay	Sanjay
15	SAURAV KUMAR	PCE22EE014	II	III	Saurav	Saurav
16	VISHAL SAINI	PCE22EE015	II	III	Vishal	Vishal
17	VISHANT KUMAR MEENA	PCE22EE016	II	III	Vishant	Vishant
18	YOGESH KUMAWAT	PCE22EE017	II	III	Yogesh	Yogesh

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Poornima College of Engineering, Jaipur
Department of Electrical Engineering

Add on Course: Renewable Energy
Attendance Sheet

Date: 02/11/2023

S.No.	Name of Student	Roll No.	Year	Sem	Pre Lunch Session Signature	Post Lunch Session Signature
1	AMAAN KHAN	PCE21EE001	III	V	<i>Ammaan Khan</i>	<i>Ammaan Khan</i>
2	ANUJ YADAV	PCE21EE002	III	V	<i>Anuj Yadav</i>	<i>Anuj Yadav</i>
3	ARPIT KUMAR GUPTA	PCE21EE003	III	V	<i>Arpit Gupta</i>	<i>Arpit Gupta</i>
4	ARYAN CHOUDHARY	PCE21EE004	III	V		
5	DEBNIL MAHAPATRA	PCE21EE006	III	V	<i>Debnil</i>	<i>Debnil</i>
6	DEEPAK SHARMA	PCE21EE007	III	V	<i>Deepak</i>	<i>Deepak</i>
7	GAGANDEEP	PCE21EE008	III	V		
8	HIMANSHU NAMA	PCE21EE009	III	V		
9	KRITIKA CHAWALA	PCE21EE010	III	V	<i>Kritika</i>	<i>Kritika</i>
10	MD ASIF ALI	PCE21EE011	III	V	<i>Asif Ali</i>	<i>Asif Ali</i>
11	NIKHIL SHARMA	PCE21EE013	III	V	<i>Nikhil</i>	<i>Nikhil</i>
12	PANKAJ BIJARNIYA	PCE21EE014	III	V	<i>Pankaj</i>	<i>Pankaj</i>
13	PRIYANSHU SHARMA	PCE21EE015	III	V	<i>Priyanshu</i>	<i>Priyanshu</i>
14	PUNEET SARASWAT	PCE21EE016	III	V	<i>Puneet</i>	<i>Puneet</i>
15	RAJKUMAR BOCHALIYA	PCE21EE017	III	V	<i>Raj Kumar</i>	<i>Raj Kumar</i>
16	RAM NARAYAN JAT	PCE21EE018	III	V	<i>Ram N.J.</i>	<i>Ram N.J.</i>
17	RAMCHIJ MEENA	PCE21EE019	III	V	<i>Ram</i>	<i>Ram</i>
18	RAVI SAINI	PCE21EE020	III	V	<i>Ravi</i>	<i>Ravi</i>
19	ROHIT KUMAR	PCE21EE021	III	V	<i>Rohit</i>	<i>Rohit</i>
20	SHER SINGH MEENA	PCE21EE022	III	V	<i>Sher Singh Meena</i>	<i>Sher Singh Meena</i>
21	SHUBHAM KUMAR YOGI	PCE21EE023	III	V		
22	SHUBHAM VERMA	PCE21EE024	III	V	<i>Shubham Verma</i>	<i>Shubham</i>
23	VINAY SHARMA	PCE21EE025	III	V	<i>Vinay Sharma</i>	<i>Vinay Sharma</i>
24	YATENDER YADAV	PCE21EE026	III	V	<i>Yatender Yadav</i>	<i>Yatender</i>
25	RAJKUMAR	PCE21EE027	III	V	<i>Raj Kumar</i>	<i>Raj Kumar</i>
26	PEERZADA ABDUL HADIE SHAH	PCE22EE702	III	V	<i>Peerzada</i>	<i>Peerzada</i>

Poornima College of Engineering, Jaipur
Department of Electrical Engineering

Add on Course: Renewable Energy
Attendance Sheet

Date : 01/11/2023

S.No.	Name of Student	Roll No.	Year	Sem	Pre Lunch Session Signature	Post Lunch Session Signature
1	AMAAN KHAN	PCE21EE001	III	V	<i>Ammaan</i>	<i>Ammaan</i>
2	ANUJ YADAV	PCE21EE002	III	V	<i>Anuj Yadav</i>	<i>Anuj Yadav</i>
3	ARPIT KUMAR GUPTA	PCE21EE003	III	V	<i>Arpit Gupta</i>	<i>Arpit Gupta</i>
4	ARYAN CHOUDHARY	PCE21EE004	III	V	<i>Aaryan</i>	<i>Aaryan</i>
5	DEBNIL MAHAPATRA	PCE21EE006	III	V	<i>Debnil</i>	<i>Debnil</i>
6	DEEPAK SHARMA	PCE21EE007	III	V		
7	GAGANDEEP	PCE21EE008	III	V		
8	HIMANSHU NAMA	PCE21EE009	III	V		
9	KRITIKA CHAWALA	PCE21EE010	III	V		
10	MD ASIF ALI	PCE21EE011	III	V	<i>Kritika</i>	<i>Kritika</i>
11	NIKHIL SHARMA	PCE21EE013	III	V		<i>MD Asif Ali</i>
12	PANKAJ BIJARNIYA	PCE21EE014	III	V	<i>Pankaj</i>	<i>Pankaj</i>
13	PRIYANSHU SHARMA	PCE21EE015	III	V	<i>Priyanshu</i>	<i>Priyanshu</i>
14	PUNEET SARASWAT	PCE21EE016	III	V	<i>Puneet</i>	<i>Puneet</i>
15	RAJKUMAR BOCHALIYA	PCE21EE017	III	V		
16	RAM NARAYAN JAT	PCE21EE018	III	V	<i>Ram Narayan</i>	<i>Ram Narayan</i>
17	RAMCHIJ MEENA	PCE21EE019	III	V	<i>Ram</i>	<i>Ram</i>
18	RAVI SAINI	PCE21EE020	III	V	<i>Ravi</i>	<i>Ravi</i>
19	ROHIT KUMAR	PCE21EE021	III	V	<i>Rohit</i>	<i>Rohit</i>
20	SHER SINGH MEENA	PCE21EE022	III	V	<i>Sher Singh</i>	<i>Sher Singh</i>
21	SHUBHAM KUMAR YOGI	PCE21EE023	III	V	<i>Shubham</i>	<i>Shubham</i>
22	SHUBHAM VERMA	PCE21EE024	III	V		
23	VINAY SHARMA	PCE21EE025	III	V		
24	YATENDER YADAV	PCE21EE026	III	V	<i>Yatender Yadav</i>	<i>Yatender Yadav</i>
25	RAJKUMAR	PCE21EE027	III	V	<i>Raj Kumar</i>	<i>Raj Kumar</i>
26	PEERZADA ABDUL HADIE SHAH	PCE22EE702	III	V	<i>Peerzada</i>	<i>Peerzada</i>

Poornima College of Engineering, Jaipur

Department of Electrical Engineering

Add on Course: Renewable Energy

Attendance Sheet Date: 01/11/2023

S.No.	Name of Student	Roll No.	Year	Semester	Pre Lunch Session Signature	Post Lunch Session Signature
1	AKASH KUMAR	PCE22EE001	II	III		
2	ANUJ SHARMA	PCE22EE002	II	III		
3	ASHVINI NAGAR	PCE22EE003	II	III		
4	BALKRISHAN SHARMA	PCE22EE004	II	III		
5	HARSH PAREEK	PCE22EE005	II	III		
6	JAIPAL	PCE22EE006	II	III		
7	KAILASH CHOUDHARY	PCE22EE007	II	III		
8	Vinay Pratap Singh	PCE22EE0031	II	III		
9	MOHAMMED AMAAN	PCE22EE008	II	III		
10	NAGENDRA BEDA	PCE22EE009	II	III		
11	NAMAN SINGH CHOUHAN	PCE22EE010	II	III		
12	NITIN AGNIHOTRI	PCE22EE011	II	III		
13	RAHUL SHARMA	PCE22EE012	II	III		
14	SANJAY BAIRWA	PCE22EE013	II	III		
15	SAURAV KUMAR	PCE22EE014	II	III		
16	VISHAL SAINI	PCE22EE015	II	III		
17	VISHANT KUMAR MEENA	PCE22EE016	II	III		
18	YOGESH KUMAWAT	PCE22EE017	II	III		

8. List of Students Eligible for Certification

Poornima College of Engineering, Jaipur

Department of Electrical Engineering

Add on Course: Solar & Renewable Energy Program for Advanced Level

List of eligible students for certificate

S.No.	Name of Student	Roll No.	Year	Semester
1	AMAAN KHAN	PCE21EE001	III	V
2	ANUJ YADAV	PCE21EE002	III	V
3	ARPIT KUMAR GUPTA	PCE21EE003	III	V
4	ARYAN CHOUDHARY	PCE21EE004	III	V
5	DEBNIL MAHAPATRA	PCE21EE006	III	V
6	DEEPAK SHARMA	PCE21EE007	III	V
7	KRITIKA CHAWALA	PCE21EE010	III	V
8	NIKHIL SHARMA	PCE21EE013	III	V
9	PANKAJ BIJARNIYA	PCE21EE014	III	V
10	PRIYANSHU SHARMA	PCE21EE015	III	V
11	PUNEET SARASWAT	PCE21EE016	III	V
12	RAJKUMAR BOCHALIYA	PCE21EE017	III	V
13	RAM NARAYAN JAT	PCE21EE018	III	V
14	RAMCHIJ MEENA	PCE21EE019	III	V
15	RAVI SAINI	PCE21EE020	III	V
16	ROHIT KUMAR	PCE21EE021	III	V
17	SHER SINGH MEENA	PCE21EE022	III	V
18	SHUBHAM KUMAR YOGI	PCE21EE023	III	V
19	SHUBHAM VERMA	PCE21EE024	III	V
20	VINAY SHARMA	PCE21EE025	III	V
21	YATENDER YADAV	PCE21EE026	III	V
22	RAJKUMAR	PCE21EE027	III	V
23	PEERZADA ABDUL HADIE SHAH	PCE22EE702	III	V
24	AKASH KUMAR	PCE22EE001	II	III
25	ANUJ SHARMA	PCE22EE002	II	III
26	ASHVINI NAGAR	PCE22EE003	II	III
27	BALKRISHAN SHARMA	PCE22EE004	II	III
28	HARSH PAREEK	PCE22EE005	II	III
29	KAILASH CHOUDHARY	PCE22EE007	II	III
30	VINAY PRATAP SINGH	PCE22EC031	II	III
31	MOHAMMED AMAAN	PCE22EE008	II	III
32	NAGENDRA BEDA	PCE22EE009	II	III
33	NAMAN SINGH CHOUHAN	PCE22EE010	II	III
34	NITIN AGNIHOTRI	PCE22EE011	II	III
35	RAHUL SHARMA	PCE22EE012	II	III
36	SANJAY BAIRWA	PCE22EE013	II	III
37	SAURAV KUMAR	PCE22EE014	II	III
38	VISHAL SAINI	PCE22EE015	II	III
39	VISHANT KUMAR MEENA	PCE22EE016	II	III
40	YOGESH KUMAWAT	PCE22EE017	II	III

9. Certificates:

 POORNIMA COLLEGE OF ENGINEERING Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f)				 BABA AUTOMOBILE	 CODEXTRA	 KAIZEN INNOVATION (A Unit of Krishna Technovent Private Limited)	 NAVRITI Empowering Lives ISO 9001:2015 Certified
CERTIFICATE OF VALUE ADDED COURSE							
This is to here by certify that Mr./Ms. <u>Amqan Khan</u>with							
Reg. No. <u>PCE21EE001</u>Student of <u>IIIrd</u> Year, B.Tech. has successfully completed							
the Value Added Course (VAC) on <u>Solar & Renewable Energy Program</u> of 36 Hrs, conducted							
by <u>Department of Electrical Engineering</u>from November 01 to November 07, 2023.							
 Trainer	 Head of Department	 Vice-Principal	 Principal & Director				



POORNIMA

COLLEGE OF ENGINEERING

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f)



BABA
AUTOMOBILE



KAIZEN
INNOVATION
(A Unit of Krishna TechnoTech Private Limited)

NAVRIITI
Empowering Lives
ISO 9001:2015 Certified

CERTIFICATE OF VALUE ADDED COURSE

This is to here by certify that Mr./Ms. Akash kumar.....with

Reg. No. PCE22EE001..... Student of IInd Year, B.Tech. has successfully completed
the Value Added Course (VAC) on Solar & Renewable Energy Program of 36 Hrs, conducted
by Department of Electrical Engineering..... from November 01 to November 07, 2023.

Trainer

Head of Department

Dee-Principal

Principal & Director

10. Sample Feedback Form

i3-Technical Training Feedback_ODD_2023-24

Please give your valuable feedback in a scale of 1 to 5 .

1 - Strongly Disagree

2 - Disagree

3 - Neutral or Neither Agree nor Disagree

4 - Agree

5 - Strongly Agree

rachit.saxena@poornima.org [Switch accounts](#)



* Indicates required question

Email *

☐

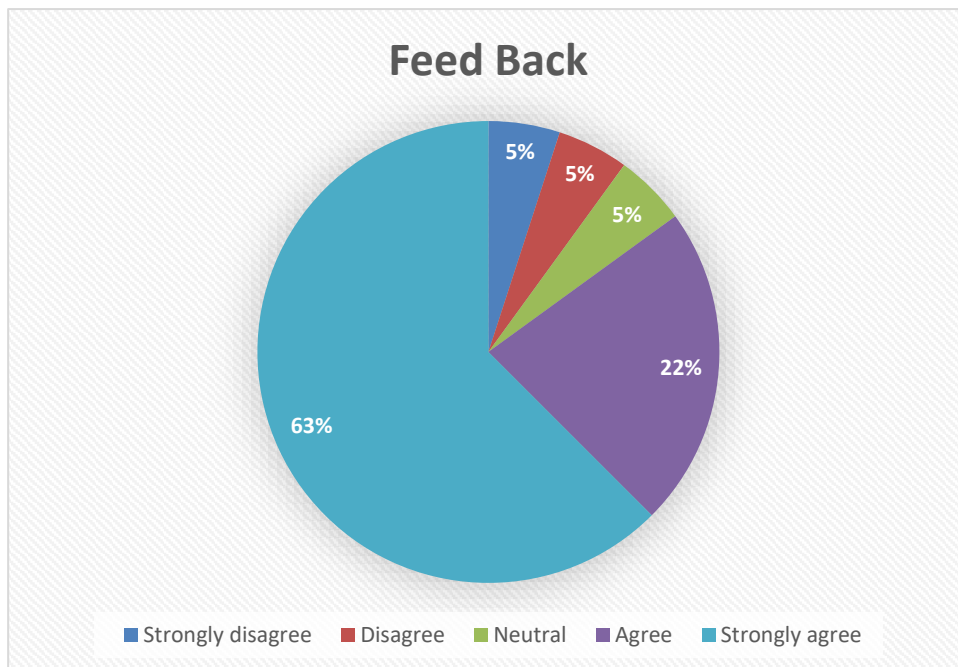
Record rachit.saxena@poornima.org as the email to be included with my response

Student Registration No:- *

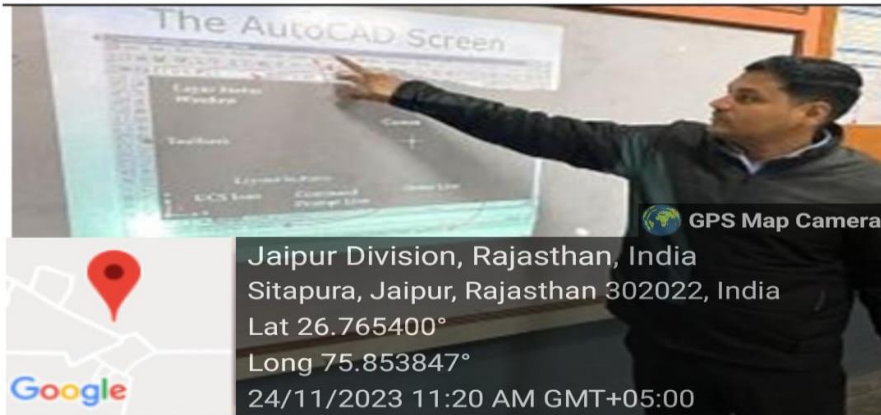
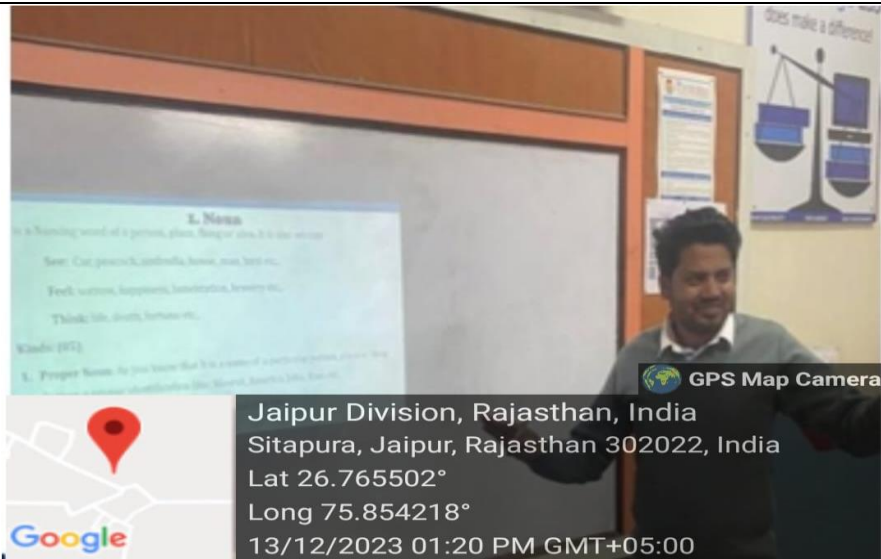
Your answer

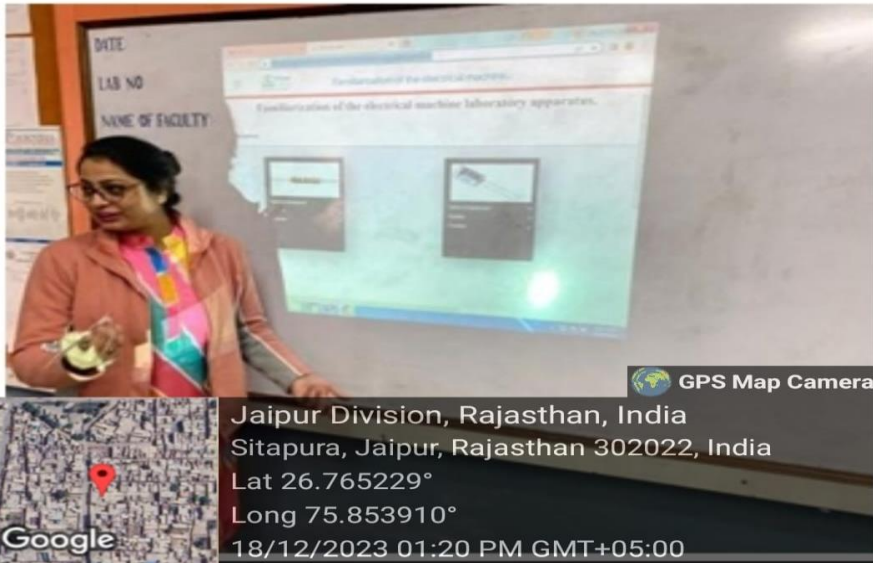
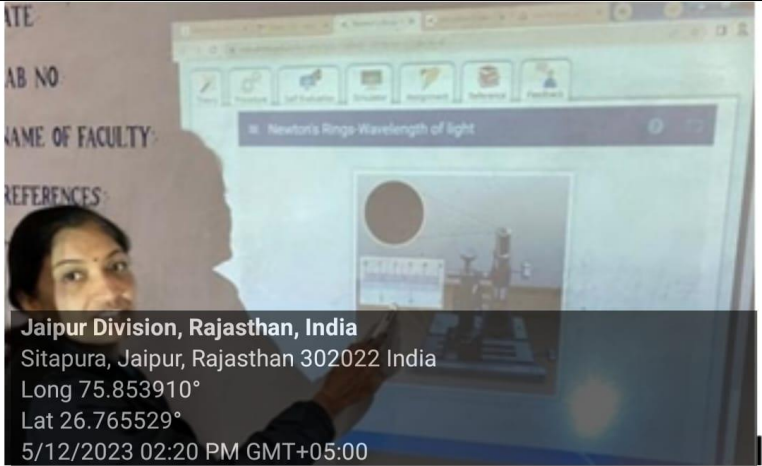
Student Name: *

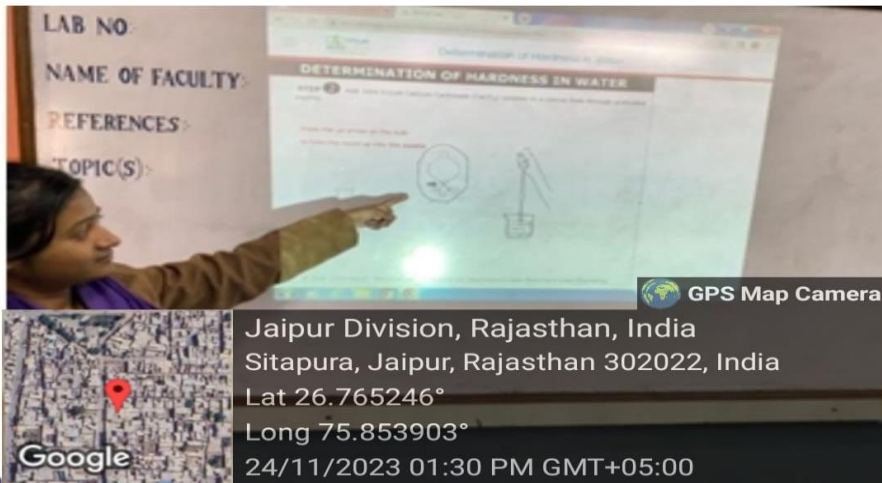
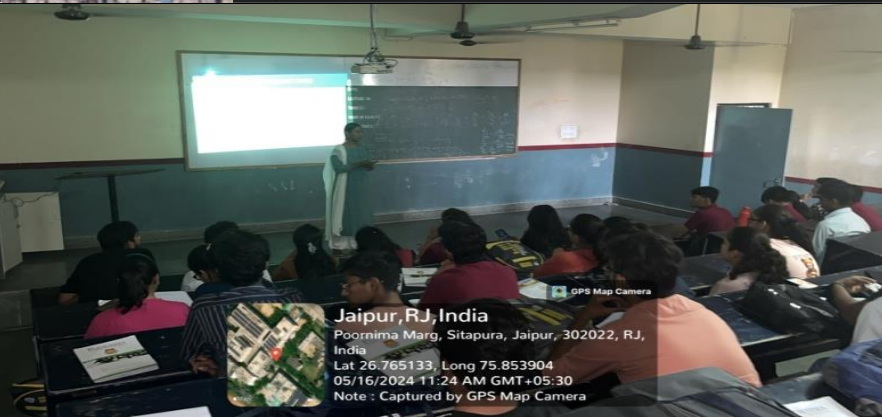
11 Feed Back



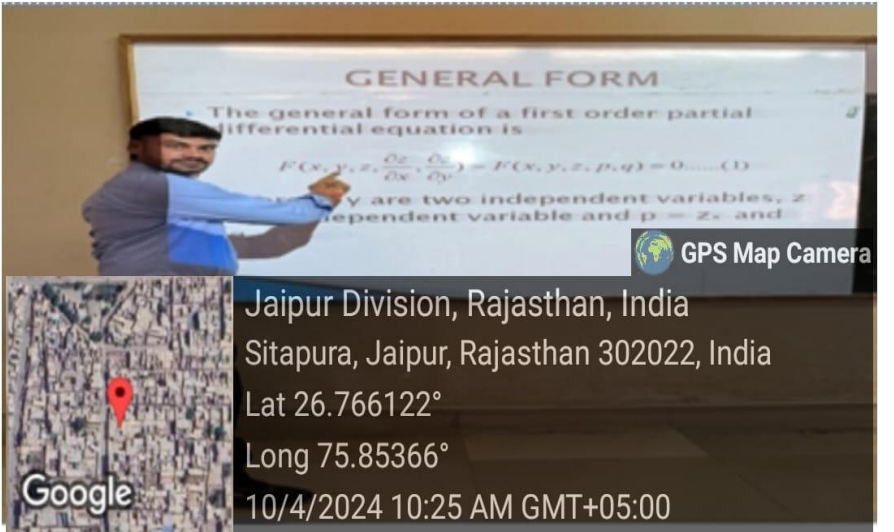
ICT (tools) Detail (2023-24 session)

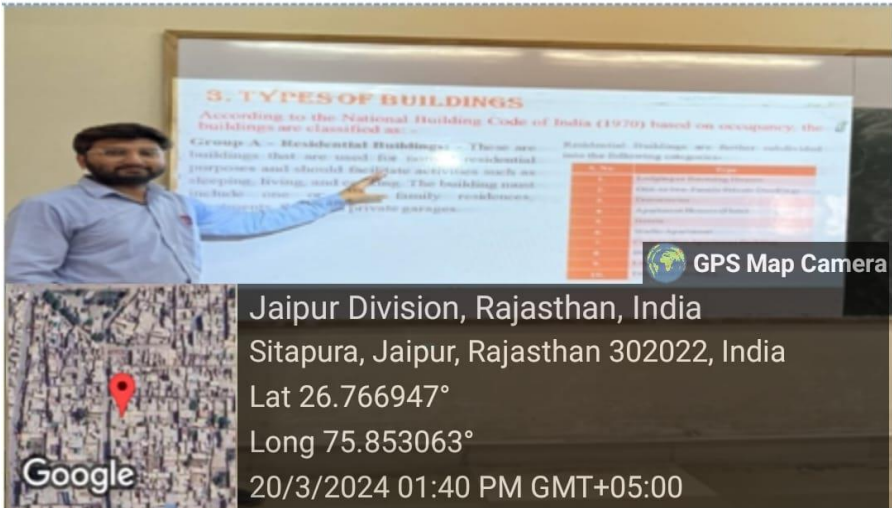
Sr. No.	Year	Department	Name of teacher who Conducted	Subject Name/ Topic	Proof
1	2023-24 - Odd sem	First year	Manoj sharma	CAMD- Virtual lab	
2	2023-24 - Odd sem	First Year	Kuldip sharma	Communication Skills- PPT	

3	2023-24 – Odd SEM	First Year	Richa Chaudhary	Electrical Engineering-Virtual Lab	 Jaipur Division, Rajasthan, India Sitapura, Jaipur, Rajasthan 302022, India Lat 26.765229° Long 75.853910° 18/12/2023 01:20 PM GMT+05:00
4	2023-24 - Odd sem	First Year	Dr. Priyanka Lodha	Engineering Physics_Virtual Lab	 Jaipur Division, Rajasthan, India Sitapura, Jaipur, Rajasthan 302022 India Long 75.853910° Lat 26.765529° 5/12/2023 02:20 PM GMT+05:00
5	2023-24 - Odd sem	First Year	Riddhi Shrivastava	Engineering Chemistry-Virtual lab	Photo

					 LAB NO: NAME OF FACULTY: REFERENCES: TOPIC(S): DETERMINATION OF HARDNESS IN WATER GPS Map Camera Jaipur Division, Rajasthan, India Sitapura, Jaipur, Rajasthan 302022, India Lat 26.765246° Long 75.853903° 24/11/2023 01:30 PM GMT+05:00
6	2023-24 - EVEN SEM	First Year	Dr. Meena Tekriwal	Engineering Chemistry_Glass PPT	 Jaipur, RJ, India Poonima Marg, Sitapura, Jaipur, 302022, RJ, India Lat 26.765133, Long 75.853904 05/16/2024 11:24 AM GMT+05:30 Note : Captured by GPS Map Camera
7	2023-24 - EVEN SEM	First Year	Dr. Priyanka Joddha	Engineering Physics_Network's Ring PPT	Photo

					
8	2023-24 - EVEN SEM	First Year			
9	2023-24 - EVEN SEM	First Year	Mr. Sumit Manoj sharma	BME- PPT CAMD- PPT	
					Photo

10	2023-24 - EVEN SEM	First year	Dr. Siddharth	Basic civil Engineering (Buildings)	 Jaipur Division, Rajasthan, India Sitapura, Jaipur, Rajasthan 302022, India Lat 26.766947° Long 75.853063° 7/3/2024 01:15 PM GMT+05:00 https://drive.google.com/drive/folders/1rzGibRAj6d6fk5D8b6BtMNM4nU3InQW3
11	2023-24 - EVEN SEM	First year	Kamlesh Kumar	Engineering Mathematics(Partial differential euation)	 Jaipur Division, Rajasthan, India Sitapura, Jaipur, Rajasthan 302022, India Lat 26.766122° Long 75.85366° 10/4/2024 10:25 AM GMT+05:00

12					
	2023-24 - EVEN SEM	First Year	Dr. Mayank Gupta	Basic civil Engineering (Buildings and environmental engineering)	 Jaipur Division, Rajasthan, India Sitapura, Jaipur, Rajasthan 302022, India Lat 26.766947° Long 75.853063° 20/3/2024 01:40 PM GMT+05:00