

REPORT ON

One Day Workshop on Solar PV Plant Design Using PVsyst

Organised by

Energy Swaraj Club

Electrical Engineering Department

Faculty of Engineering and Technology

Marwadi University, Rajkot

On October 05, 2024

Report Prepared by: **Prof. Uvesh Sipai, Mr. Shoaib Shamim**

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Event Summary

Organizing Department

Organized by Energy Swaraj Club of Electrical Engineering Department in collaboration with YAMAS Renewables, Rajkot.

Event Title

One Day workshop on Solar PV Plant Design using PVsyst

Schedule

October 05, 2024 9:00 AM to 12:00 PM

Venue:

MB113, MB111

Participants

Students of Electrical Engineering from semester 1st, 3rd, 5th and 7th

Resource Persons

Prof. Uvesh Sipai & Mr. Shoaib Shamim

Objectives

The objective of this workshop was to provide participants with a thorough understanding of solar energy systems, focusing on the design, installation, and operation of solar plants. Participants learned about solar panel technology, installation processes, and gained hands-on experience using the PVsyst software for designing solar projects. The session aimed to equip students with practical skills to confidently design and implement solar energy solutions in real-world applications.

Event Brief

The "**Solar Plant PV Design using PVsyst**" workshop, organized by the Energy Swaraj Club, provided an engaging learning experience for electrical engineering students. The session was conducted by Prof. Uvesh Sipai and Shoaib Shamim, focusing on understanding solar panels, installation techniques, and PV design using PVsyst software. Prof. Uvesh Sipai began the session with an introduction to solar energy and its practical applications. He explained the different types of solar panels, how they are constructed, and the step-by-step process of installing them. The participants were introduced to the key components of a solar power system, such as inverters, batteries, and wiring setups, helping them understand how to design and set up a solar power plant. His detailed 40–50-minute session laid a solid foundation for understanding solar power systems and their installation. Following Prof. Sipai's session, Shoaib Shamim took over and guided participants through the PVsyst software. First, Shoaib demonstrated how to download and install the software. He then provided a comprehensive walkthrough of PVsyst, explaining its functionalities and showing students how to design a solar plant project. The participants learned how to create a detailed solar project and generate a report using the software. To enhance practical skills, Shoaib assigned a solar plant design task to the participants, encouraging them to create their own designs using PVsyst. As students encountered challenges during the design process, Shoaib provided personalized assistance, ensuring that everyone completed the task successfully.

Outcome: The workshop was a tremendous success, offering participants valuable hands-on experience with PVsyst software and solar plant design. By the end of the session, students had gained a solid understanding of solar energy systems, installation techniques, and the software tools required to design solar projects. The participants left the workshop feeling confident and well-prepared to apply their newly acquired skills in future projects.

Notice / Poster of the Event



Energy Swaraj Club of
Department of Electrical Engineering
organizes **One Day Workshop on**

SOLAR PV PLANT DESIGN

using **PVsyst**

organized in collaboration with **YAMAS
Renewables**, Rajkot.

Time: 09:30 AM **Date:** October 05, 2024

Location: MB113

Resource Person:

Prof. Uvesh Sipai

Electrical Engineering Department

Faculty Co-Ordinator:

Dr. Amit Ved

(HOD-EE)

Student Co-Ordinator:

Shoaib Shamim

shoaibshamim.18238@marwadieducation.edu.in

**SCAN TO
REGISTER**



Participants are required to bring their laptops.



Notice

Date: 23 Sep 2024

The Energy Swaraj Club of Electrical Engineering Department, Faculty of Engineering and Technology is organizing a “One Day Workshop on the Solar PV Plant Design using PVsyst” in collaboration with YAMAS Renewables, Rajkot on 05 Oct 2024.

Details of the Event: One Day Workshop on the Solar PV Plant Design using PVsyst

Date: 05 Oct 2024

Time: 9:00 AM Onwards

Venue: MBI 13

Coordinators: Prof. Uvesh Sipai, Dr. Amit Ved

CC:

To Faculty Members

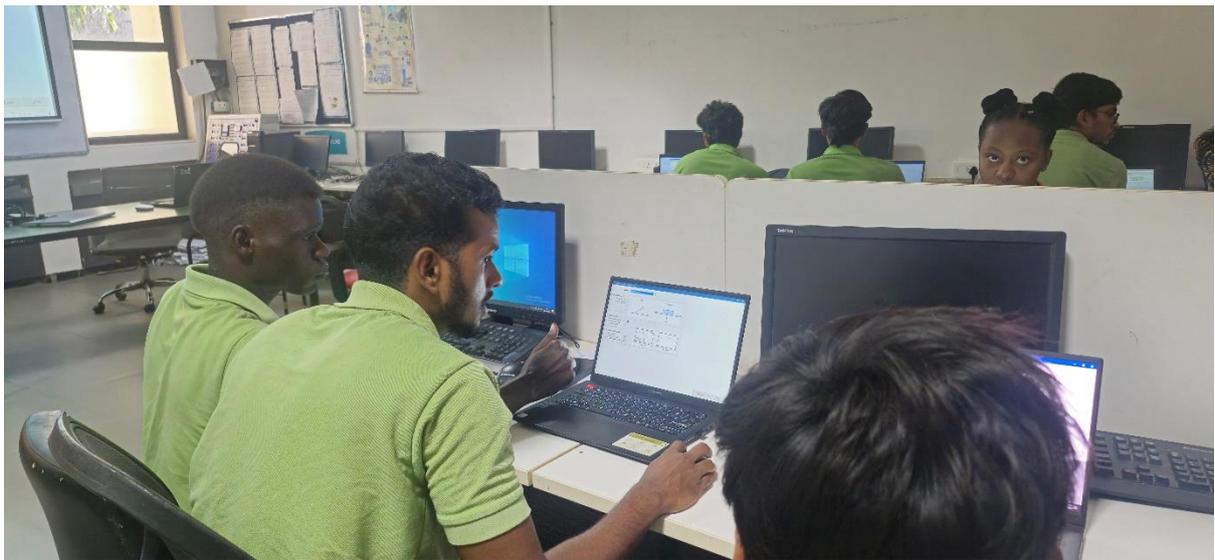
To Student Notice Board

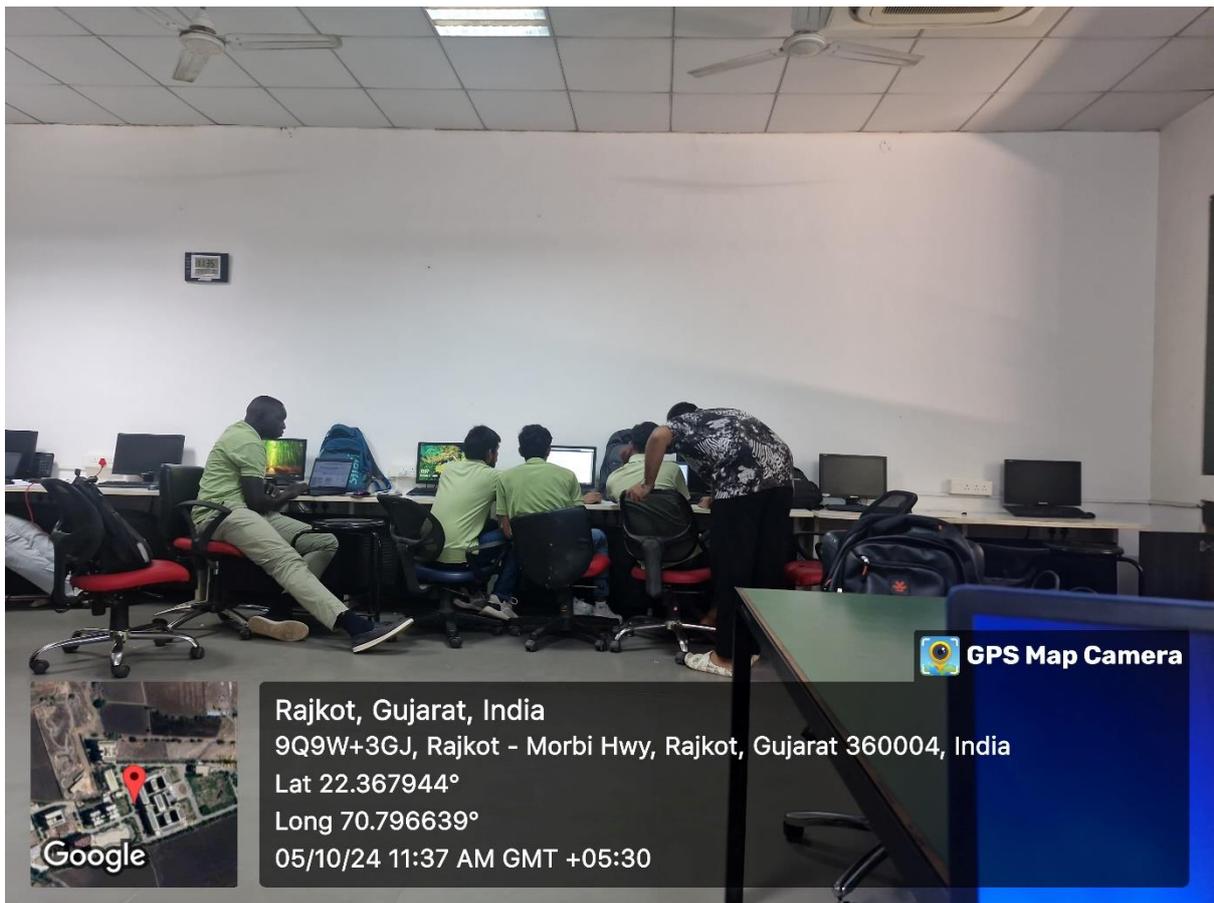


Head of the Department
Electrical Engineering
Marwadi University

Photographs of the Event







List of Participants

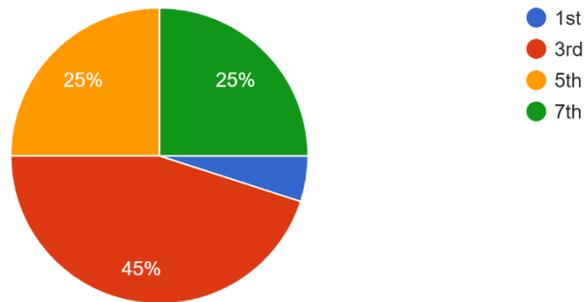
Total Number of students Participated: 20

Sr. No	Name	Sem	Gr No.	Enrollment No.
1	Ankit Kumar	1st	125034	92400106009
2	Gurrala Venkata Sai	3rd	129918	92410106008
3	Thakur Nithin Singh	3rd	131545	92410106014
4	Devulapally Varshith	3rd	132502	92410106015
5	Bommisetty Vivek Vardhan	3rd	133437	92410106019
6	Boda Rohith Kumar	3rd	133434	92410106018
7	Dau Chol Aguek Kiir	3rd	120728	92301706005
8	Bhumireddy Rohith Bhargav Reddy	3rd	129597	92410106020
9	Mannuru Ameer	3rd	129309	92410106007
10	Rwotdit Sam Johnson Alimu	3rd	123707	92301706015
11	Robert Pitia Isaac Lado	5th	115793	92201706003
12	James Ladu Nelson Gaye	5th	116766	92201706008
13	Sonu Ansari	5th	118879	92201706013
14	Abhishek Kumar	5th	118863	92201706012
15	Jayesh Jayantilal Chaudhari	5th	123170	92311706004
16	Nishant Ranjan	7th	123655	92320106001
17	Garwe Siyanda N	7th	113425	92100106006
18	Sonu Kumar Sah	7th	18210	210570109008
19	Veronica Mhande	7th	114062	92100106011
20	Deng Riak Ayuel	7th	114053	92100106031

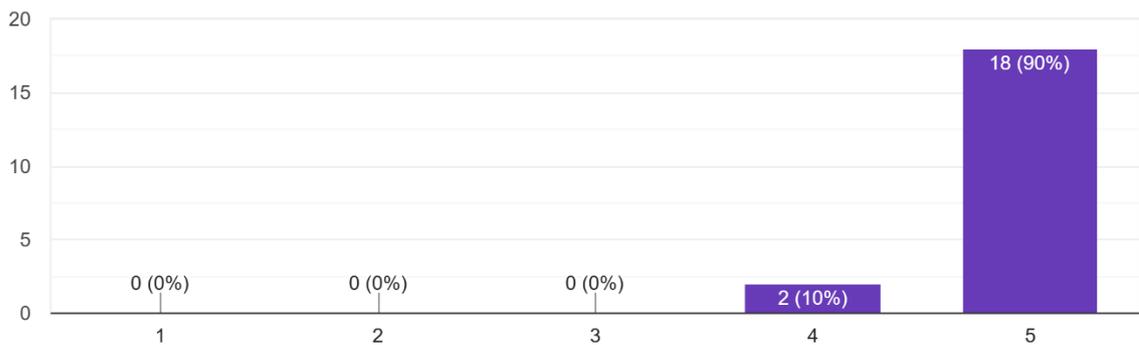
Head of the Department
Electrical Engineering
Marwadi University

Feedback of Event

Semester
20 responses

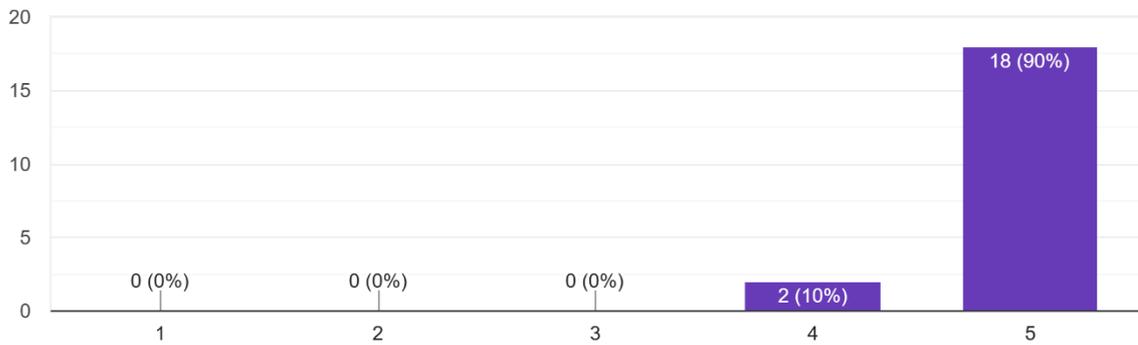


How would you rate your overall experience of the workshop?
20 responses



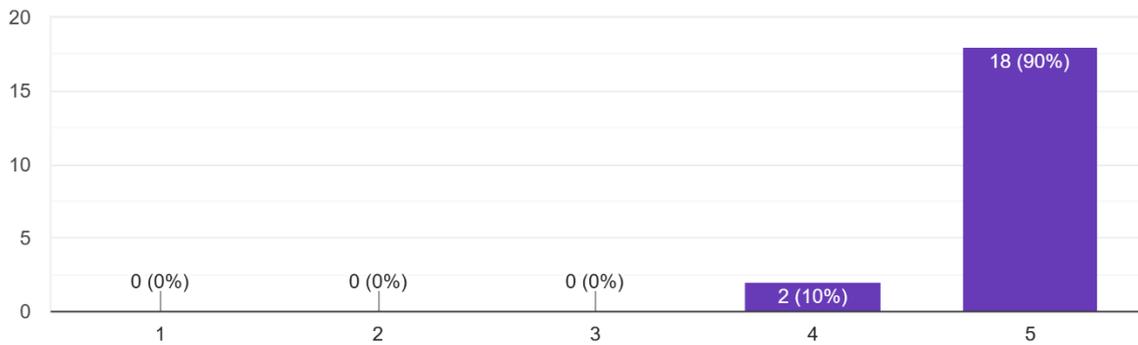
How satisfied were you with the organization of the workshop (communication, venue, schedule, etc.)?

20 responses



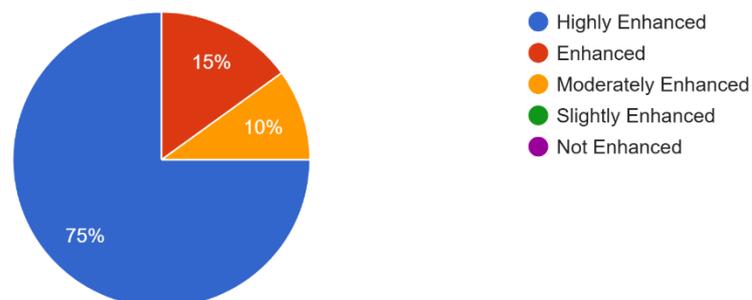
How would you rate the knowledge and delivery of the expert/resource person?

20 responses



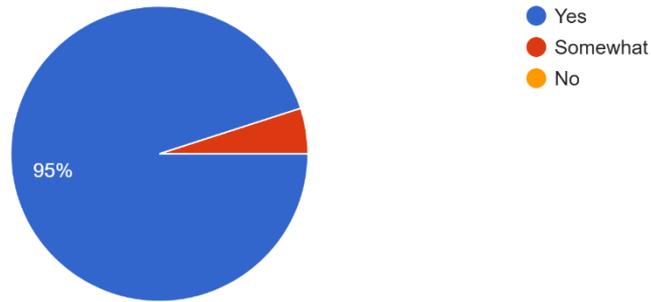
To what extent did the workshop enhance your skills and knowledge on Solar PV Plant Design and PVSyst software?

20 responses



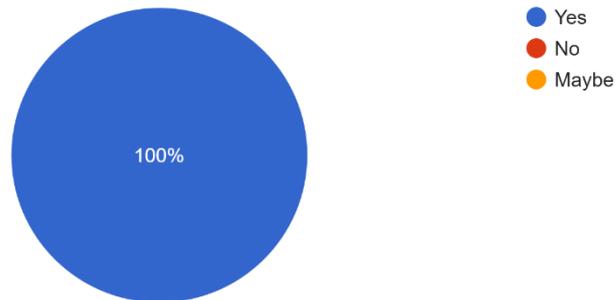
Were the sessions interactive and engaging?

20 responses



Would you be interested in participating in similar workshops or events in the future?

20 responses



Sample Certificate



This certificate is for Abhishek Kumar, a participant in a solar PV workshop. The certificate features logos for YAMAS, Energy Swaraj Foundation, Faculty of Engineering & Technology, Marwadi University, and NAAC A+. It includes a green graphic of a solar panel and trees on the left and a green geometric shape on the right. The text is centered and includes the names of the organizers and the head of the department.

CERTIFICATE

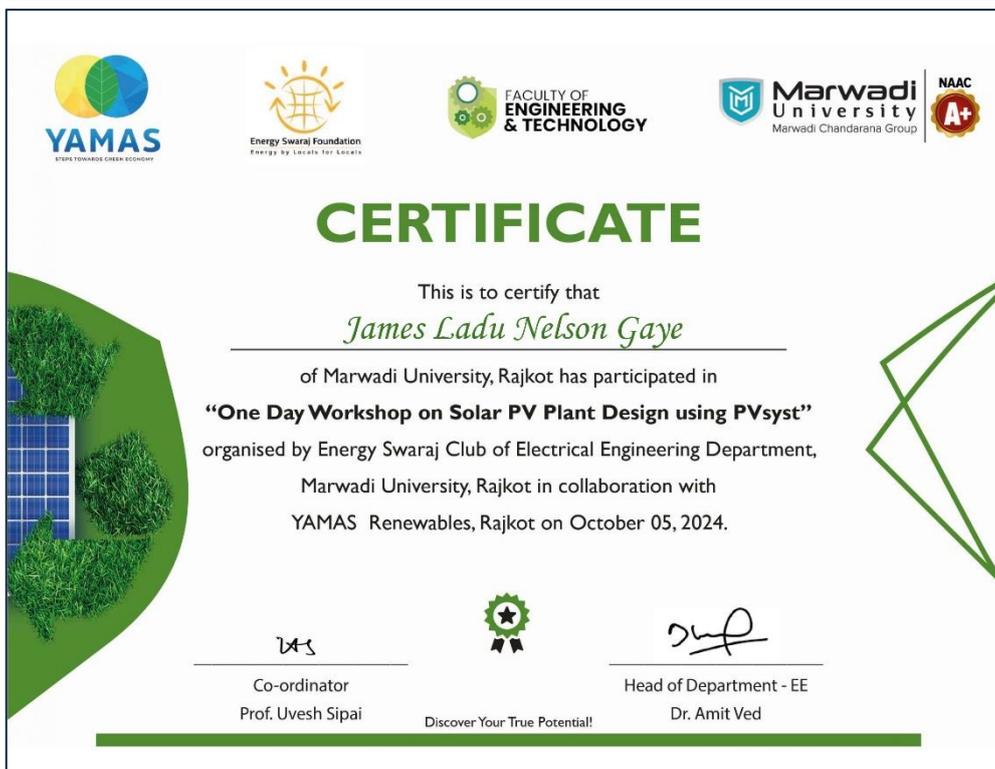
This is to certify that
Abhishek Kumar

of Marwadi University, Rajkot has participated in
“One Day Workshop on Solar PV Plant Design using PVsyst”
organised by Energy Swaraj Club of Electrical Engineering Department,
Marwadi University, Rajkot in collaboration with
YAMAS Renewables, Rajkot on October 05, 2024.


Co-ordinator
Prof. Uvesh Sipai


Discover Your True Potential!


Head of Department - EE
Dr. Amit Ved



This certificate is for James Ladu Nelson Gaye, a participant in a solar PV workshop. The certificate features logos for YAMAS, Energy Swaraj Foundation, Faculty of Engineering & Technology, Marwadi University, and NAAC A+. It includes a green graphic of a solar panel and trees on the left and a green geometric shape on the right. The text is centered and includes the names of the organizers and the head of the department.

CERTIFICATE

This is to certify that
James Ladu Nelson Gaye

of Marwadi University, Rajkot has participated in
“One Day Workshop on Solar PV Plant Design using PVsyst”
organised by Energy Swaraj Club of Electrical Engineering Department,
Marwadi University, Rajkot in collaboration with
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