

सुरोरजा 2.0

14 – 16 January 2022

At

NSS College of Engineering, Palakkad

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Sourorja is a 3 day offline Solar Training Programme exclusive for Solar Energy Enthusiasts. Visit sourorja.ieeesbnsce.org for more

सूर्योदय 2.0

Sourorja 2.0 is a 3 day offline solar training program exclusively for solar energy enthusiasts that covers the basics of renewable energy, and is a great introduction for those new to the field, those who are looking to make a career change, or those who just want to learn more about energy from the sun. With Sourorja we aim for a better understanding and hands-on practice in the different streams of solar energy including Solar Photovoltaic technologies, Applications in the form of On-grid and Off-grid systems, Applications of solar technologies, Solar Resource Assessment and Business Entrepreneurship. The event will encourage collaboration and information exchange between the participants. Students, Graduates, entry-level professionals aspiring for a career in the solar industry can attend the event.

For More Details :sourorja.ieeesbnsce.org

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PCB Designing (WORKSHOP)

PV Solar Energy Using PV Syst (WORKSHOP)

Hackathon

Industrial Visit

Field Visit

PES Membership Development Session

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PCB Designing (WORKSHOP)

The PCB Designing workshop focuses on the designing and manufacturing of a printed circuit board. Aim of the workshop is to make students familiar with different electronic components used, circuit designing using software tools, PCB fabrication, etc. The participants will get hands-on experience creating a PCB design.

- ◆ The Workshop will cover the following topics:
- ◆ Introduction to circuit designing, software and tools.
- ◆ schematic designing on the designing software.
- ◆ Layout designing using standard tools of the designing software.

PV Solar Energy Using PV Syst (WORKSHOP)

Pvsyst is designed to be used by architects, engineers, and researchers. The main objective of the workshop is to impart the knowledge on Solar Grid Design and introduce the various scopes and opportunities to all fields of engineers in the area of solar technology.

- ◆ The Workshop will cover the following topics
- ◆ System designing for domestic, commercial & utility-scale projects
- ◆ Battery basics, types, fundamentals, charging stages, maintenance
- ◆ Basics of solar off-grid system calculation

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Hackathon

This hackathon on Solar Energy imparts hands-on experience of using those renewable energy sources to build projects that work for students. Participants will be introduced to various types of alternative energy sources and the applications of it.

Industrial Visit

An Industrial visit is planned to one of the renowned industries in palakkad. This will bridge the gap between theoretical training and practical learning in a real life environment.

Field Visit

Malampuzha dam is the largest reservoir in kerala located near palakkad, situated in the scenic hills of the western ghats. Main attractions are amusement parks, boating facilities, rock garden and rope way around the reservoir of the dam. Boating facilities are available on the lake

PES Membership Development Session

A membership development session will be organised describing the advantages of IEEE and the benefits of the Power and Energy Society. The main goal is to impart the importance of IEEE PES membership among students

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Event Schedule

Day	Event
Friday 14-01-2022	Inauguration and Keynote Address Invited Talk I Kahoot Quiz
Saturday 15-01-2022	Easy EDA Workshop PV Solar Energy with PVsyst Invited Talk II Malampuzha Field Trip Photography Competition Cultural Night and Gale Dinner
Sunday 16-01-2022	Hackathon Industrial Visit

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ORGANISING TEAM

General Chair

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Counselor, IEEE SB NSSCE

General Co-chair

Dr Sujith S
Associate Professor, NSS College Of Engineering

Patron

Dr Suresh P R
Principal, NSS College of Engineering

Advisory committee

Abhinav Rajeev
Mentor, IEEE SB NSSCE
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Chapter Advisor, VTS SBC IEEE SB NSSCE

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Chapter Advisor, RAS SBC IEEE SB NSSCE

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