

Organizing Committee

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(Late) Shri.D.Sudharssanam

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Chief Guest:

Dr.S.Kavaskar,

Head - Power System Studies,

KNR Engineers & Consultants, Chennai,

Special Invitee:

Dr.C.Arunachala Perumal,

Chair - IEEE Photonics Society, Madras Section,

IEEE Senior Member, Chennai.

Chair

Dr.G.Rohini, Prof. & Head/EEE

Convener

Dr.S.Sendil Kumar, Professor

Students Volunteer

U.Nithishkumar IEEE Student Member

S.Hari Harasudan IEEE Student Member

R.Roshan Maharajan IEEE Student Member

Mailing Address:

Department of EEE, S.A. Engineering College,

Poonamallee –Avadi Main Road, Thiruverkadu,

Chennai – 600 077, Tamilnadu, India.

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E-Mail: drsendilkumar@saec.ac.in

Programme Outline

- Solar PV System using DiGSILENT
- Sizing of the Solar PV System
- Design of the Solar Pumps
- Grid Connected on Solar PV System
- Energy Estimation
- Solar Hybrid System
- Hands on Training using PVsyst

Resource Persons

Dr.S.Kavaskar,

Head - Power System Studies,
KNR Engineers & Consultants, Chennai.

Mr.Sivakumaran Sivalingam,

Chief Technical Officer,
Evolve Energy Group, Chennai.

Er. Madhan Raj Venkatachalam,

Senior Engineer, Power Projects India, Chennai.

Er.S.SuriyaKumar,

Power System Engineer, Power Projects India, Chennai.

Registration Details

Registration details for Students, Staff and Industry Persons

IEEE Photonics Society & Internal Members: Nil

IEEE Members : Rs. 300/-

Non IEEE Members : Rs. 500/-

To be filled the On-line registration form on or before
24.02.2023

Online Registration Link:

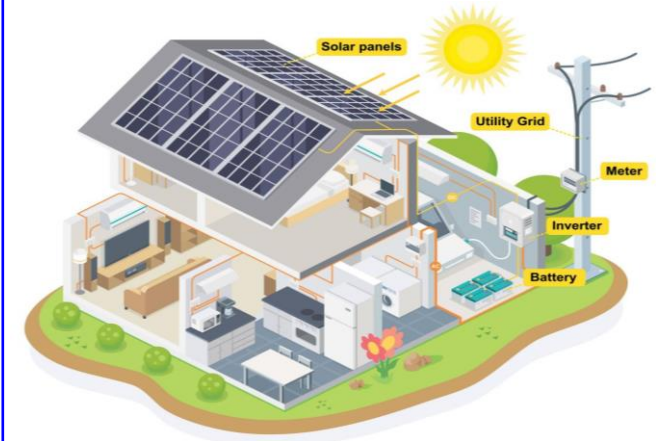
<https://forms.gle/kZNR253JMgGsJK4DA>

IEEE Photonics Society Sponsored

Two Days Workshop on

Solar Plant Design and Energy Estimation

(01st & 02nd March 2023)



Convener

Dr.S.Sendil Kumar, Professor/EEE

Co- Convener

Mr.N.Sakthi Saravanan, Asst. Professor/EEE

Association with

IEEE - SAEC
(Student Branch)

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IEEE
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Transforming science into technology™

Department of

Electrical and Electronics Engineering

S.A. ENGINEERING COLLEGE

(An Autonomous Institution)

(Accredited by NBA, NAAC with "A" Grade and ISO
9001:2015 Certified Institution)

Affiliated to Anna University, Chennai.

Poonamallee – Avadi Main Road, Thiruverkadu,

Chennai – 600077, Tamilnadu, India.

Web-Link: www.saec.ac.in

About the Institution

S.A. Engineering College (Autonomous) was established by Dharma Naidu Educational and charitable Trust in the year 1998-1999. The college is approved by AICTE, Delhi and affiliated to by Anna University, Chennai. The college is well equipped with 5 Lakhs Sq.Ft. of constructed area which includes research center, smart class rooms, drawing halls, laboratories, workshops and associated facilities. In recognition of the high-quality policies being implemented by the institution, M/S TUV NORD has accorded ISO 9001-2015 certification. The college is accredited by NAAC with 'A' grade and NBA. The college offers Nine UG, Six PG and PhD programmes.

- B.E. Civil Engineering
- B.E. Computer Science and Engineering
- B.E. Electronics and Communication Engineering
- B.E. CSE (Artificial Intelligence and Machine Learning)
- B.E. Electrical and Electronics Engineering
- B.E. Mechanical Engineering
- B.Tech. Information Technology
- B.Tech. Artificial Intelligence and Data Science
- B.Tech. Computer Science and Business Systems
- M.E. CAD/CAM
- M.E. Communication Systems
- M.E. Computer Science and Engineering
- M.E. Embedded System Technologies
- M.B.A. Master of Business Administration
- M.C.A. Master of Computer Applications

The college maintains high standards of education by providing a wide array of world class academic facilities, employing highly qualified and experienced faculty members and creating an ambience of conducive quality education.

LOCATION

The college is located on the highway from Poonamallee to Avadi Main Road at a distance of about 1 Km from Poonamallee Bye Pass Road of Chennai-Bangalore National Highway (NH4).

About the Organizing Department

The Department of Electrical and Electronics Engineering was established in the year 2001 with an aim of creating quality Engineers with sound technical knowledge and awareness of the latest advancement in the existing and emerging technologies. The Department has excellence in service offering UG programme in Electrical and Electronics Engineering and PG programme in Embedded System and Technologies. The major highlights in the department includes R&D facilities, Centre of Excellence in **SPARK Automation Laboratory**. It has spacious and well equipped laboratories and smart class rooms. The department has well experienced, highly qualified faculty members. It has successfully imparted knowledge to numerous students who have excelled profoundly achieving university ranks. The department in association with IEEE Students Branch regularly organizes National level symposium and conference with various academic activities like Seminars, Guest Lectures and Value Added Courses. Also the department regularly organizes Industrial Visits, Placement Training activities and arranging Internship, etc which helps to improve student skillsets.

About the Programme

A photovoltaic system is an electric power system designed to supply usable solar power by means of photovoltaics. Computational methods play an important role in carrying out high end research. These are capable of handling large system and estimation which are common in practice for evaluation. Hence it requires a tool to practice a design of solar PV system and estimation of the PV system. Tools like PVsyst and DIGSILENT are required to deal with systems like grid-connected, stand-alone, pumping and DC-grid PV systems.

Important Dates

Submission of Online Registration Form: 24th Feb 2023

Confirmation of participants via E-mail : 27th Feb 2023

S.A. ENGINEERING COLLEGE, CHENNAI – 77

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IEEE Photonics Society Sponsored
Two Days Workshop on
Solar Plant Design and Energy Estimation
(01st & 02nd March 2023)

Registration Form

1. Name :
2. Qualification :
3. Designation/Year :
4. Department :
5. Experience, if applicable:
6. Name of the Organization:
7. E-Mail :
8. Mobile :
9. IEEE Membership No.:
10. Address of the Organization:

Signature of the Applicant

Certificate from Sponsoring Institute

Mr./Ms./Dr. _____ is an
**Employee/Student of our organization and He / She is
sponsored to attend the above Workshop.**

Date:

Signature of Sponsoring
Authority with office Seal