

About the FDP

The six-day Faculty Development Program (FDP) on Hybrid Energy Technology aims to provide faculty members with a deep understanding of hybrid energy systems, which

- combine renewable and non-renewable energy sources.

Participants will learn about the integration of

- solar, wind, and biomass energy with conventional power systems, as well as energy storage technologies and power electronics. The program will cover system modeling, optimization, and energy management strategies for both grid-connected and off-grid systems.

Through hands-on experience with simulation tools like HOMER and MATLAB, faculty will gain practical skills in designing and analyzing hybrid systems. Expert lectures, case studies, and group discussions will address current challenges and emerging trends in hybrid energy. By the end of the program, participants will be equipped to design, optimize, and implement hybrid energy solutions. This FDP is ideal for faculty in energy, electrical, mechanical, environmental, and renewable energy disciplines.

Eligibility

All faculty members working in engineering colleges, affiliated to Anna University are eligible to participate in the FDP. Maximum of 50 participants will be selected on first-come-first-serve basis. The Certificate will be issued only for those participants who have secured at least 80% Attendance and 60% marks in the assessment during the FDP.

About the College

Sri Venkateswara College of Engineering (Autonomous), a premier self-financing engineering college was established in the year 1985 and is managed by Sri Venkateswara Educational and Health Trust. The college offers 13 B.E / B.Tech Degree Programs and 8 M.E / M.Tech Degree Programs in Engineering / Technology approved by AICTE and affiliated to Anna University, Chennai. The College attained autonomous status in the year 2016. The college is accredited by National Assessment and Accreditation Council (NAAC) with A+ Grade in the year 2022. The National Board of Accreditation has accredited many of the eligible programs. The college is an ISO 21001:2018 certified institution. The college is situated in a serene environment about 37 kms from Chennai and located on Chennai-Bangalore National Highway (NH4) at Pennalur, Sriperumbudur in the Kancheepuram district, Tamil Nadu.

About the Department

The Department of EEE was started in the year 1994. The post graduate program (M.E) in Power Electronics and Drives was started in 2002. The Department has secured permanent affiliation with Anna University and Currently Accredited for three years (2022-2025) by NBA. The Department has well equipped state-of-the-art laboratories and recognized as a research center by Anna University. The Department has well qualified and experienced faculty and staff members of proven ability and profound skills. There are 31 faculty members in the department, out of which 17 of them PhD holders. Total of 19 research scholars have registered to pursue their PhD in the department.

Physical Mode Six-Day FDTP ON

EE3033 - Hybrid Energy Technology

**17/02/2025 to 22/02/2025
REGISTRATION FORM**

CO-ORDINATORS

**Dr.C.Gopinath, Professor / EEE,
Project Co-ordinator / Center for Integrated
Smart Waste Management
Dr. T. Annamalai, Associate Professor/EEE
Sri Venkateswara College of Engineering**



**Sponsored by
Centre for Faculty &
Professional Development
Anna University
Chennai – 25**

**&
Organized by
Department of Electrical and Electronics Engineering**



**Sri Venkateswara College of Engineering
Sriperumbudur Taluk-602117, Tamilnadu**

Website: www.svce.ac.in

Resource Persons

The sessions will be handled by the experts from academia, research organizations and industry in the subject area.

Course Content

- Introduction to Hybrid Energy Systems
- Electrical Machines for Wind Energy Conversion
- Power Converters and Analysis of Solar PV Systems
- Analysis of Power Converters for Hybrid Energy Systems
- Case Studies for Hybrid Renewable Energy Systems

Program Committee Members

Dr.S.S.Sethuraman, Associate Professor/EEE
Mr.D.S Purushothaman, Assistant Professor/EEE
Dr. N. Shanmugavadivu, Associate Professor/EEE
Dr. C.Venkatesan, Associate Professor/EEE

**Sri Venkateswara College of Engineering
Sriperumbudur Taluk-602117**

Registration Fees: Nil

Registration form for the Faculty Development Training Programme is available in the following

Link <https://forms.gle/5EoqSkVqs61hRBoD8>

Six-Day Physical Mode

Faculty Development & Training Programme

EE3033-Hybrid Energy Technology

17th Feb 2025 – 22nd Feb 2025

REGISTRATION FORM

1. Name (in capital):
2. Designation:
3. Qualification:
4. Age & D.O.B :
5. Professional experience (in years)
Teaching:
Industrial:
6. College/Institution Name:
(Affiliated to Anna University)
7. Department:
8. Address of College / Institution:

9. E-mail:
10. Phone:

DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Faculty Development and Training Program. If selected, I shall attend the program for the entire duration.

Date: _____ Signature of the Applicant

SPONSORSHIP CERTIFICATE

This is to certify that Prof./Dr./Mr./Mrs./Ms

.....
is an employee of our Institution /Organization and is hereby permitted for the above Faculty Development & Training Programme, if selected.

Date: _____ Signature &
Seal of the Head of the Institution

ORGANIZING COMMITTEE

CHIEF PATRON: Dr. S. Usa
Member Convener Committee
Anna University

PATRON : Dr. J. Prakash
Registrar
Anna University

CHAIR : Dr. P. Vanaja Ranjan
Director, CFPD

CO-CHAIR : Dr. M. Sivanandham,
Secretary, SVEHT
Dr. S. Ganesh Vaidyanathan
Principal
Sri Venkateswara College of
Engineering

Dr.KR Santha
Vice Principal & HOD
Department of Electrical and
Electronics Engineering

CO-ORDINATORS: Dr.C.Gopinath,
Professor/EEE,
Project Co-ordinator /
Center for Integrated Smart Waste Management
Dr. T. Annamalai
Associate Professor/EEE

ORGANIZING DEPARTMENT:
Department of Electrical and Electronics Engineering &
Center for Integrated Smart Waste Management
Sri Venkateswara College of Engineering
Sriperumbudur Taluk-602 117, Tamilnadu
Ph.No:044-27152000 Extn: 251, 255
Email: cgopinath@svce.ac.in

IMPORTANT DATES:
Submission of Application : 11-02-2025
Intimation of Selection : 12-02-2025