

About the Institute

The institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961 and was upgraded as a National Institute of Technology on 4th October, 2002. SVNIT is one of the pioneering engineering institutions of the country which has contributed many outstanding engineers in India & abroad. It is conducting six UG programs, seventeen PG programs (in addition to three integrated M.Sc. programs) and a Ph.D. program in all disciplines of engineering and applied sciences. Special attention is given to interdisciplinary research. The institute has an excellent placement record with a number of top ranking companies visiting the campus every year.

About the Department

The department is one of the pioneering departments of the Institute. Over the years, the department has progressed at a rapid pace with development in both the spheres of infrastructure facilities and academic programs. The department has highly qualified faculty members engaged in teaching and research with the aim of achieving excellence in the field of Electrical Engineering. The department offers an Undergraduate course in Electrical Engineering and Postgraduate programs in Power Electronics & Electrical Drives, Power Systems and Instrumentations & Control. The department offers a Ph.D. program to promote basic research activities in the various areas of Electrical Engineering. The consultancy and testing services are also rendered by the department.

About the Surat

Surat is a top ranking industrial city of the country with clean wide roads. It is well known worldwide for textiles, Zari and Diamond industries. Several large scale industries and establishments are located in the city. Surat is situated on the main western railway route between Vadodara and Mumbai. The institute is located at Ichchanath on Surat-Dumas road at a distance of about 10 km from Surat railway station.

About Training Program

One-week online short-term training program aims to highlight the recent trends in research and development in electric vehicle and renewable energy sources which seems to be the promising solution for combating environmental pollution and also deal with fossil fuel crisis. The charging infrastructure is one of the key factors for successful operation of e-vehicles. One will have the opportunity to know various concepts related to smartgrid technology and integration of V2G and G2V. Special attention is given to operation and control of power electronics interfaces and system integration. Also, application of intelligent control techniques will be demonstrated for V2G and G2V and operation of renewables with energy storage. This STTP program will offer an exclusive opportunity to the experts from prestigious institutions, important industries, notable experts working in the area of Electric Vehicle and Renewable Energy and Research scholars to share their experiences, novel ideas, practical problems faced and the probable solution to it. The program consists of lecture/presentation/laboratory by invited speakers from academic institutes, industries and R&D organizations.

Topics to be covered:

- The program shall discuss
- Introduction Electric Vehicle (EV) & smartgrid
 - Renewable Energy system for Smart Grid
 - Advanced Renewable Energy system
 - Modelling and Simulation of Renewable Energy System
 - Power Electronics converters for distributed generation.
 - Recent advancement in Electric Vehicle
 - Emerging Power Electronics for EV
 - Advancement in Charging Infrastructure
 - Machine learning for EV application
 - Importance of emerging role of Smart Grids for EV and Renewable integrated Power
 - V2G and G2V Technology
 - Grid modernization with Renewables and EV integration
 - Utilization of energy storage for increasing EV and renewable penetration.

Call for Participation

One-Week Short-Term Training Program (Online)

Emerging Trends in Electric Vehicles (EVs) and Renewables (ETER- 2022)

12-16 December 2022

Course Coordinators

Dr. Sukanta Halder, Assistant Professor
Dr. Akanksha Shukla, Assistant Professor
Dr. Sabha Raj Arya, Associate Professor
Dr. Rakesh Maurya, Associate Professor



Organized by
Department of Electrical Engineering
Sardar Vallabhbhai National Institute of
Technology, Surat.
(An Institute of National Importance of Govt.
of India)
Surat-395007, Gujarat, India

Registration and General Information

The program will be organized through google meet. Applications for the participation in the 'course' should fill in the Google Form by clicking on 'registration form' below. The participants are required to send the application form and Payment details to the following email.

[REGISTRATION FORM](#)

Instructions to fill the Google form

- In google form all fields are mandatory.
- Participants have to attach the scanned copies of the Filled Registration Form and Payment Details.
- Alternatively, the participants can send the application on the following email id as well

ETER22@gmail.com

The last date of registration is

08 December, 2022

The candidates would be informed of their selection through E-mail by

10 December, 2022

The participants should attend all the sessions.

Address for any Communications

Dr. Sukanta Halder (sukanta.h@eed.svnit.ac.in)
Dr. Akanksha Shukla (ashukla@eed.svnit.ac.in)
Dr. Sabha Raj Arya (sra@eed.svnit.ac.in)
Dr. Rakesh Maurya (rmaurya@eed.svnit.ac.in)

Organizing Committee
Department of Electrical Engineering
S. V. National Institute of Technology,
Ichchhanath, SURAT, Gujarat, 395007.

Mobile: 9027425536, 9772131431,
8511034177, 8849823704

Course Fee

Research Scholars: UG/PG/Ph.D. : Rs 300 + 18% GST
Academicians/Scientists/Researchers: Rs 300 + 18% GST
Delegates from Industries : Rs 1000 + 18% GST

The non-refundable registration fee should be sent through **Net-banking/Online Payment**.

Bank Account Name : Director, SVNIT-CCE
SBI Account No. : 37030749143
Bank Name : State Bank of India
IFSC Code : SBIN0003320
Branch : SVRCET Branch,
Ichchhanath, Surat,
Gujarat, 395007.

While paying through the net-banking, in remarks the purpose is to be written as "**ETER SVNIT**".

(Kindly save the receipt or take screenshot of the payment)

Who Can Apply?

- Research Scholars
- Teachers of Engineering Colleges
- Practicing Engineers from industries
- PG/UG students

Patron

- Prof. Anupam Shukla, Director, SVNIT, Surat.

Organizing Committee

- All faculty members of EED, SVNIT, Surat.

Resource Persons

- Academicians from IITs/NITs and other Professionals

Other Instructions

- This STTP will be conducted through Google Meet platform, so the participants should be equipped with the necessary infrastructure.
- In case of any query, feel free to contact the course coordinators.
- Google meet link will be shared to participants prior to the session starts.
- The certificates will be issued based on their attendance in the technical sessions

Registration Form

One-Week Short-Term Training Program (Online)

On

Emerging Trends in Electric Vehicles (EVs) and Renewables (ETER) 2022

12-16 December 2022

Full Name:

Designation:

Department & Institution with Address:

Male/Female:

Mobile:

E-mail (Gmail):

Date of Birth:

Academic Qualifications:

Experience (Years):

Teaching:

Research:

Industry:

Payment Receipt No. :

I declare that the details furnished above are correct to the best of my knowledge and belief. I also undertake to abide by the rules and other conditions prescribed by SVNIT, Surat.

Signature of the Applicant