

JUL'24- SEP'24

NEWSLETTER

SARDAR VALLABHBHAI
NATIONAL INSTITUTE
OF TECHNOLOGY SURAT

इलेक्ट्रीकल इंजीनियरिंग विभाग
ELECTRICAL ENGINEERING DEPARTMENT

DEPARTMENT OF ELECTRICAL ENGINEERING

The Department of Electrical Engineering is one of the oldest departments at Sardar Vallabhbhai National Institute of Technology. The department actively conducts various academic and research activities throughout the year. This newsletter presents a brief about various activities from July 2024 to September 2024.



📅 HIGHLIGHTS

- **Research Publications**
 - Books - 01
- **Workshops- 02**

Department Vision

To be the leading department disseminating globally acceptable education, effective industrial consultancy and relevant research output.

Department Mission

To be a global centre of excellence in technical education and innovation producing competent professionals with integrity.

Programme Educational Objectives

- Graduates will be able to solve engineering / industrial problems by employing various learning resources and modern tools.
- Graduates will be able to design products to meet social, economic and environmental demand by innovative ideas.
- Graduates will be able to investigate complex problems and take up research and development work in the allied fields.
- Graduates will be able to communicate effectively through oral and written presentation of technical reports, adopting lifelong learning with integrity and ethics; and they will have interpersonal skills required to lead and nurture diverse teams.



DR. PRANAV B. DARJI

Head, DoEE
SVNIT, Surat

Welcome to the Department of Electrical Engineering at SVNIT, Surat. The Department has 24 well-qualified faculty members actively involved in academics, administrative duties, research, and consultancy. The broad research areas are Power Electronics, Electrical Drives, Power Systems, Control and Instrumentation. The faculty published several research papers indexed in SCIE, SCI, ESCI, Web of Science, Scopus, etc. Also, the worth of present ongoing and completed projects is more than two crores.

The Department of Electrical Engineering offers B. Tech and M. Tech programmes. The M. Tech specialisations are Power Electronics and Electric Drives, Power Systems and Instrumentation and Control. The Department of Electrical Engineering has many PhD scholars, and a significant amount of research is ongoing.

I am happy to present the 16th issue of the Department's quarterly newsletter. The present issue includes new administrative duties, STTPs/Workshops, student placement details, Research publications and projects, and faculty and student achievements.

I acknowledge the efforts of the committee members Dr. J. Venkataramanaiah, Dr. G. Sushnigdha and Dr. Suresh Lakhimsetty in editing this issue. I also thank Mr. Mayank Bhagat for assisting the committee members.



STTP CONDUCTED

- **Title:** "Smart and Sustainable Strategy for Renewable Energy and E-Mobility (SUSTAIN-E 2024)"

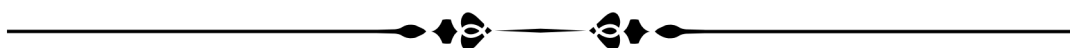
Date: 23-09-2024 to 27-09-2024

Coordinators of this workshop: Dr. Akanksha Shukla, Dr. Varsha A. Shah, Dr. Basant Kumar Sethi.

Title: "One Week Finishing School On "Electric Vehicle Technology: Towards Sustainable Transportation (EVT-2024)"

Date: 13th July-2024 to 17th July-2024

Coordinators of this workshop: Dr. Chandani P. Gor, Dr. Suresh Lakhimsetty, Dr. K. V. Praveenkumar, Prof. (Dr.) Varsha A. Shah.





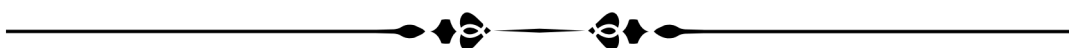
STUDENT ACHIEVEMENTS

- **Conference Name:** IEEE 4th International Conference on Sustainable Energy and Future Electric Transportation.

Date: July 31, 2024 to August 3, 2024

Title: Constant Switching Frequency Model Predictive Control of Micro-Hydro and PV-BSS-based Standalone Microgrid with Fault Ride-through Capability

Authors: Astha Bharat Patel, Rajasekharareddy Chillipi





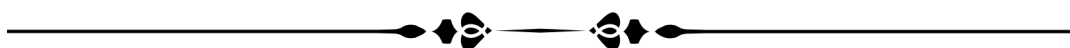
Faculty Achievements

- **Title:** "Proceedings of the International Conference on Systems, Control and Automation" ICSCA 2023,

Series Title: Lecture Notes in Electrical Engineering,

Publisher: Springer Singapore, Softcover ISBN 978-981-97-7383-1, December 2024.

Editors of the book: J S Lather, Arunesh Kumar Singh, Gangireddy Sushnigdha



TEAM



GANGIREDDY SUSHNIGDHA
ASSISTANT PROFESSOR
DOEE, SVNIT SURAT



J.VENKATARAMANIAH
ASSISTANT PROFESSOR
DOEE, SVNIT SURAT



SURESH LAKHIMSETTY
ASSISTANT PROFESSOR
DOEE, SVNIT SURAT



MAYANK BHAGAT
SENIOR TECHNICIAN
DOEE, SVNIT SURAT