

NEWSLETTER

November 2019

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News and Events



Alumni News



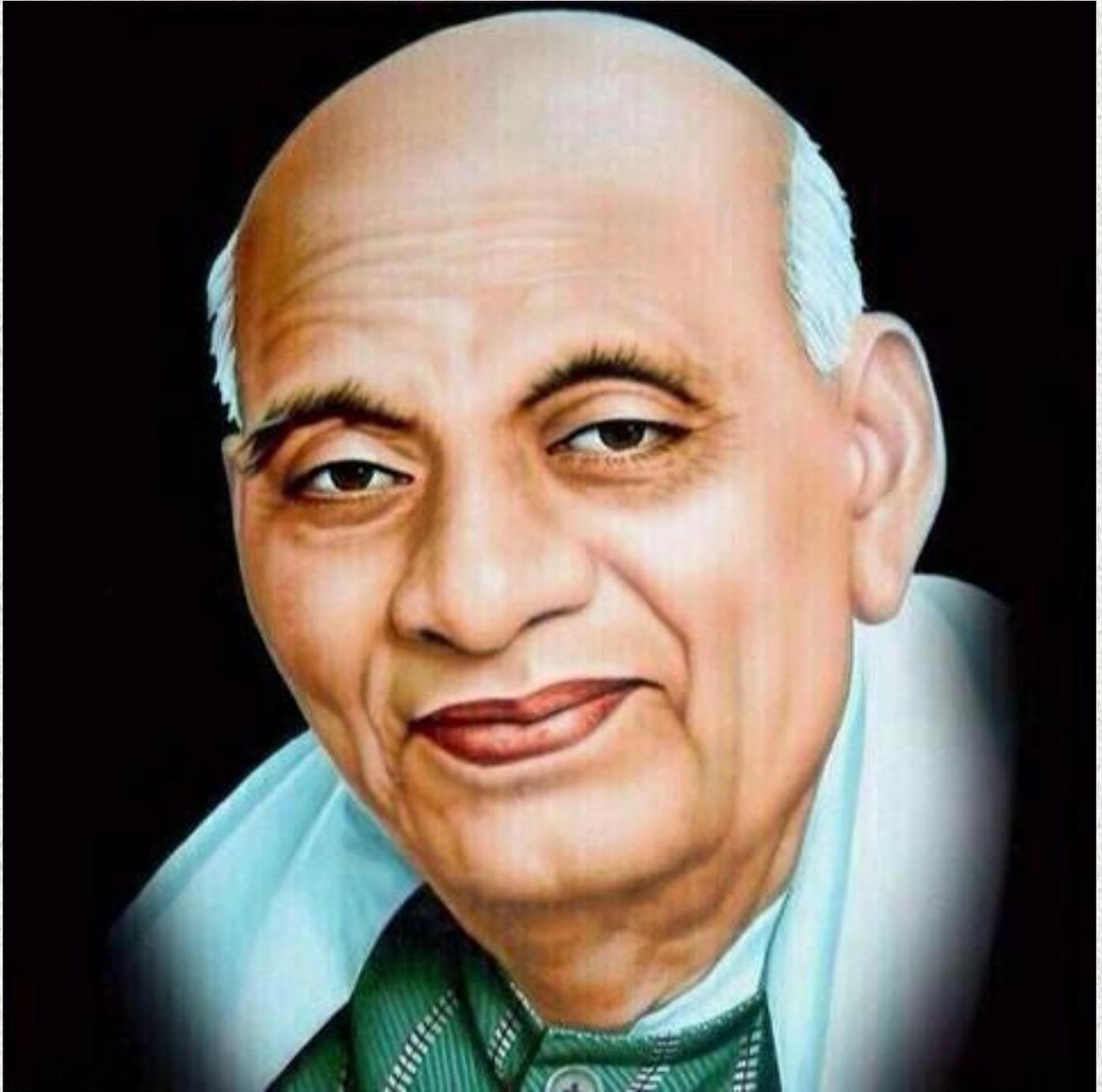
Research and Academics



Gallery



Department of Electrical Engineering



Department Vision:-

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

Department Mission:-

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

UG Program 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

PG Program Educational Objectives:-

- Graduates will be able to solve engineering / industrial problems by employing various learning resources.
- Graduates will be able to design products to meet social economic demand by innovative ideas, take up research and development work in the field.
- Graduates will be able to communicate effectively through oral and written presentation of technical reports, adopting lifelong learning with integrity and ethics.

Message from Head of the Department



Dear SVNIT friends and well-wishers,

I am happy to present the November 2019 issue of the Department quarterly newsletter to you.

The aim of the Newsletter is to compile our activities and update about the efforts and initiatives of the Department to make the knowledge society.

The major parts of this collection include the recruitments, visitors to the Department, and addition of resources etc. It also recognizes our alumni accomplishments.

Your inputs and feedback are valuable to us to make the forthcoming Newsletter more informing and useful.

Warm regards,
S N Sharma
Head, Electrical Engineering Department



Recruitment News

The Institute has conducted the recruitment to induct bright young talents of the nation for the academic programs of the Electrical Engineering Department. Total selected candidates are eight. The six selected candidates joined the Faculty team of the Department. The two will join shortly. The Department and Institute welcome them for joining us. They pursue their relevant research directions. Certainly this addition will add new feathers in the growth of the Department and Institute.

The Institute is organizing an induction program to update them about the teaching-learning program of the Department and Institute, Institute methods and procedures as well as opportunities available for their career growth trajectory.

New Faculty joined the Department



Dr. Mahesh Aeidapu

Area of Research:

Power Electronics, Hybrid Renewable Energy Systems, Optimization

E-mail: aeidapumahesh@eed.svnit.ac.in

Mob:-



Dr. Sanjay Tolani

Area of Research:

Digital Control of Power Electronic Converters, Micro-grid and Power Quality, Electric Drives

E-mail: sanjay.tolani@eed.svnit.ac.in

Mob:- +91 9005510586



Dr. Rahul Radhakrishnan

Area of Research:

State estimation, Nonlinear filtering, Target tracking

E-mail: r.rahul@eed.svnit.ac.in

Mob:- +91 8084736155



Dr. Kunisetti V. Praveen Kumar

Area of Research:

Power Electronics, Power Electronics and Drives

E-mail: kvpraveenkumar@eed.svnit.ac.in

Mob:- +91 9160919516



Dr. G.Sushnigdha

Area of Research:

Trajectory optimization for re-entry vehicles, Optimization using metaheuristic algorithms and State estimation in process control applications

E-mail: sushnigdha.g@gmail.com

Mob:-



Dr. JammalaVenkataramanaiah

Area of Research:

Power electronics, Multilevel converters, Control techniques, Grid inverters

E-mail: jvenkataramana.ee@gmail.com

Mob:- +91 8904981990

Headlines

Participated in the GrandFinale and Exhibition of Smart India Hackathon(SIH 2019) at IIT Roorkee



Mr. Anurag Vishwakarma and Mr. Ashutosh Patel of B.Tech, Electrical III Year are the part of a team 'ultrasonics' of B.Tech 3rd year students from our Institute. They got selected and participated in the GrandFinale and Exhibition of Smart India Hackathon (SIH 2019), which was held at IIT Roorkee this year. The team presented the prototype of concept plant, which is "To produce electricity from living plants". This is the first of its own kind by our team. The Team also made new kind of membrane in our labs.

Participated in summer training programme on "Special Electrical Machines and Drives" at IIT Gandhinagar under TEQIP-III program



Dr.Mahmadasraf Mulla, Associate Professor, EED and Mr. Rajan Vamja Research Scholar, EED have actively participated in a summer training programme on "Special Electrical Machines and Drives" at IIT Gandhinagar under TEQIP-III program (Ministry of Human Resource Development, Government of India) during July 15-19, 2019.

National and International Scientific Activities



Dr.Sabha Raj Arya, Associate Professor, Department of Electrical Engineering has been awarded best paper award at International Conference on Power Electronics Applications and Technology in Present Energy Scenario (PETPES-2019) organized by Electrical and Electronics Engineering Department, NITK Surathkal during 29-31 August 2019. He has also worked as Ssession Chair, in PETPES-2019.

Participated in IEEE International Conference on ICESIP2019, at IITDM Kancheepuram, Chennai



Faculty members and research scholars have participated in IEEE International Conference on Energy, Systems and Information Processing (ICESIP2019), at IITDM Kancheepuram, Chennai during July 04-06, 2019. Faculty members have also acted as session chair during conference.

Alumni News

The following students of the SVNIT made the headlines via their achievement in the national-international level prestigious examinations for getting admitted in top institutions of the country and International Institutions. That will be inspirations for the currently enrolled students of the programs of the Department.



Our alumnus, Mr. Antim Suman (Centre) of B.Tech (EE) is one of the founder members of Thane-based startup “Edgistify”. Incorporated in 2017, Edgistify is a conjunction of “Edge, Logistics and Simplify,”. The startup facilitates the various stages of supply chain starting from planning to vendor discovery, evaluation and ultimately finalization.



Dhruv Vadgama:-He earned his graduation degree, B.Tech in Electrical Engineering, from SVNIT in 2019 with /10 Cumulative Grade Point Average (CGPA) and 1st Rank in the Department out of 93 graduating students. He was conferred gold medal in the convocation 2019. He qualified the GATE exam with 89/100 marks, All India Rank of 103 out of 112097.



Nisarg Trivedi: He earned his graduation degree, B. Tech in Electrical Engineering, from SVNIT in 2018 with 9.63/10 Cumulative Grade Point Average (CGPA) and 2nd Rank in the Department out of 93 graduating students. He is presently pursuing Master of Science in Electrical and Computer Engineering at University of Michigan–UMICH, Ann Arbor, USA with specialization in Signal Processing, Image Processing and Machine Learning.



Naman Badami: He earned his graduation degree, B.Tech in Electrical Engineering, from SVNIT. After his graduation from SVNIT, he joined KEC International Limited, Mumbai. Presently, He is pursuing MBA at I.I.M Indore.



Ashlesha Sunil Agate: He earned his graduation degree, B.Tech in Electrical Engineering, from SVNIT. After his graduation from SVNIT, he joined Cairn Oil and Gas, Vedanta Limited, Viramgam. Presently, He is pursuing ME, Texas A&M, USA.



Rishil Kirankumar Lakhe:- He earned his graduation degree, B.Tech in Electrical Engineering, from SVNIT. After his graduation from SVNIT, he joined Cairn Oil and Gas, Vedanta Limited, Viramgam. Presently, he is pursuing Master of Applied Science in Electrical and Computer Engineering at Carleton University, Canada.



Amin Qureshi :-He earned his graduation degree of M.Tech in Electrical Engineering with specialization in Power Electronics and Electrical Drives from SVNIT in June-2018. Presently, he is pursuing Ph.D in Energy Technology Department at Aalborg University, Denmark. His area of research includes Power Quality, Distributed Power Generation, Wind Energy Conversion System and Control of Power Electronics Converter

Research Opportunities

We pursue our research on emerging and established topics. The major research directions of the Department are Power systems, Power Electronics and Electric Drives, Instrumentation and Control. The research is about ideas, concepts, new results, striking perspectives etc. Our research spans from theory to application to experimentation corroborations. Finally, we wish to transform our research intended towards societal implications of technology. We respect ideas emanating from diverse fields via linking to our major research directions. We invite Young Researchers to join us to produce productive results

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Article

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Recent Event Held

A team of experts visited to our campus for the Academic Audit 2019

The second Academic Audit Team visited the Electrical Engineering Department organized by the Institute on October 17-18, 2019. The visiting team evaluated the progress made on the recommendation made by the team in the first academic audit visit to the Department in 2014. The visiting team analysed the strength and compiled the suggestions for the growth of the Department and Institution.

The visiting team includes Dr. N C Shivprakash of the IISc, Bangalore and Dr. Chandan Kumar Chanda of the IEST, Shibpur.

They interacted with Students, Faculty members, laboratory staffs as well as visited the laboratories. They evaluated the quality of the work done by the Faculty members, their accomplishment and the project work of students. The efforts and the motivation of the Faculty members were well appreciated by the visiting Experts.



SVNIT-MMMTU twining activities

Under the TEQIP III, the SVNIT-MMMTU is under the Mentor-Mentee program. The intent of the program is to further the capacity-building of the Institutions. That is aimed to mentoring the undergraduate and graduate students, joint organizations of training programs for the students, staffs to achieve the academic excellence. The sharing of state-of-art resources as well as the participation of the Faculty members in the academic advisory committees of the both Institutions.

The program will address national challenge of improving the quality of technical Higher Education in India. That will provide the opportunity to adopt best academic practices. As result of this, the students will have more technical prowess and ability to give solutions to the societal aspects. Institutional methods, curriculum design to meet the contemporary requirement, research, innovation, are the major focus.

In this perspective the SVNIT mentored five M Tech students of the MMMTU, Gorakhpur. The bilateral visits were made by the faculty of the both Institutions. The both Institutions are organizing joint training programs as well. The both Institutions have signed the memorandum of understanding for the mutual academic benefits.

Upcoming Events

Twining STTP of the SVNIT-MMMTU

A one-week Short Term Course being organized jointly by Electrical Engineering Departments of Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat and MMMUT under TEQIP-III tuning program on the topic of “Smart Energy Systems: Operation and Control (SESOC-2019),” at MMMUT, Gorakhpur on December 17-22, 2019.

TEQIP-III Sponsored Short Term Training Program (STTP) at SVNIT

A one-Week TEQIP-III Sponsored Short Term Training Program (STTP) on “Advances in Control and Instrumentation Education and Implementations” (includes: PLC programming, VFD Configuration with PLC and SCADA, practical PID tunings, demo of industrial control systems, PC-based automation, Kalman filtering and extended Kalman filtering algorithm etc.) Co-ordinators: Dr. S. N. Sharma, Dr. H. G. Patel, Prof. M.N. Bhusavalwala. Venue: Department of Electrical Engineering, Dates: 09-13 December 2019

Gallery

The Department has made plantation in the new Electrical Engineering building to make the surrounding the green, and environmental-friendly for students. Trees plantation is aimed to make air purer, climate betterment and preserving soil that offers numerous advantages. During the process of photosynthesis, carbon dioxide is inhaled and oxygen is exhaled that we breathe.



Electrical Engineering society (EES)



Diwali Celebration



Participants of Smart India Hackathon 2019



Farewell Function of Mr. Jayntibhai



Contact us

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