

APRIL'23- JUNE'23

# NEWSLETTER

SARDAR VALLABHBHAI  
NATIONAL INSTITUTE  
OF TECHNOLOGY SURAT

## 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 April 2023 to June 2023.



### 📌 HIGHLIGHTS

- Research Publications
  - Journals -11
  - Conferences - 08
  - Book publications - 01



# 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.



## **PROF. A.K.PANCHAL**

Head, DoEE  
SVNIT, Surat

Welcome to the Department of Electrical Engineering at SVNIT! Our department is well-known for student-focused teaching-learning, engineering, and technology practice-oriented research and education. Nearly 40 faculties and staff are dedicated to imparting their high-quality education and research experiences to our students and scholars to become leaders of the next generation of technocrats with the highest professional achievements. The curricula and well-equipped laboratories are designed to prepare the workforce to overcome the present and emerging technological challenges of the century.

As a research-oriented department, our research activities are extended to the major areas of Electrical Engineering, including power and renewable energy systems, power electronics and drives, instrumentation, and control. Our faculty research is funded by several national and state agencies (SERB-DST, MeitY, CSIR, INAE, MHRD, GUJCOST, etc.). Our research in cutting-edge technology is published in the national and international referred journals with the IEEE, IET, Taylor & Francis, Elsevier, Springer, and other reputed publishers. Our department offers testing and consultancy services to the nearby industrial belt HAZIRA, Surat Municipal Corporation, power distribution companies, etc.

With nearly 500 UG, 150 PG and 100 PhD scholars, we are one of the largest and most prestigious departments within the Gujarat state. Our graduates place themselves in prestigious positions in the corporate, government, and educational institutions. Many fresh B. Tech. and M. Tech. graduates opt for higher education in the reputed international and national institutions (IISc, IITs, IIMs and others). We are dedicated to bring our education and research programmes to higher recognition in national and international level. I invite you to visit our website for exploring the department faculties, research activities, and exciting opportunities that await you here at DoEE.

I am happy to present the 11th issue of the Department's quarterly newsletter. The major parts of this collection include short-term training programmes organised (in the virtual mode), activities of Electrical Engineering Society, research publications and projects. 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 and Mr. Vishant Bayani for assisting the committee members.

“Quality means doing things right and in time when no one is looking at you.” Henry Ford said for the successful business, and we do believe and follow it.



# INDUSTRIAL VISITS

## Industrial Visit

- Industrial Visit to WAREE ENERGIES PVT. LTD Sachin, Swat by M.Tech I (Power System and Power Electronics and Electrical Drives)

Dated:- 17th Feb 2023

Coordinators: Dr. A.K. Panchal, Dr. P.B.Darji and Dr. Sanjay Tolani





---

# Industrial Visit Report

**Place of Visit: Sun Petrochemicals Pvt. Ltd.**

**Date: 18th May '23**

A group of 15 students of M.Tech Instrumentation and Control Engineering and Ph.D. students from the Department of Electrical Engineering, accompanied by faculty members Dr. Hiren Patel and Dr. Rahul Radhakrishnan, visited Sun Petrochemicals Pvt. Ltd. in Hazira, Surat on 18th May 23.

The objective of the visit was to provide the students some practical exposure to the process, instruments and automation systems involved in the petrochemical industry. The visit commenced with a presentation by the company, covering their business operations, the functioning of petrochemical industries, safety protocols, dos and don'ts during field operation, and an overview of the instrument and automation techniques employed in their plant along with P&I diagram. Sun Petrochemicals primarily engages in the exploration and production of petrochemicals, with a focus on extraction rather than refining. The presentation highlighted the two main types of extraction methods in the industry, namely Onshore Platforms and Offshore Platforms, along with the LBDP (Land Based Drilling Platform).

During the plant visit, the focus of the visit was on instruments and sensors used for measuring pressure, temperature, level, and flow and understanding the process they intend to control. In the field, the students observed various components, including intake headers, inlet separators, three-phase separators (for oil, gas, and water separation), natural gas compression facility, DPCU (Dew Point Control Unit) by refrigeration, processing units, fire hydrant systems, central control room, fire and gas detection system, and warehouse. Most of the automation systems observed were from TATA Honeywell, with some PLCs from Allen Bradley. Additionally, the students visited the LBDP operated by Sun Petrochemicals.

We are deeply grateful to the team at Sun Petrochemicals for making our visit incredibly educational and valuable. We want to extend our heartfelt thanks to Mr. Hitendra Atodariya (Asset Manager Hazira Field), Mr. Bhargav Modi (HSE Head), Mr. Ritesh Patel ((Operations), Mr. Alpesh Patel (AGM Operations), Mr. Paresh Prajapati (Instrumentation Head), and Miss Anjali P. V. (esteemed alumni of SVNIT M.Tech I&C) for their support and guidance throughout our visit.



Overall, the industrial visit provided valuable practical insights into the petrochemical industry, its instrumentation and automation practices, and Sun Petrochemicals Pvt. Ltd.'s operations enhanced the students' understanding of real-world applications and the importance of various safety measures implemented in the industry.



- Industrial Visit to GETCO (Gujarat Energy Transmission Co. Ltd.), Vadodara by M.Tech-I (PSE)

Dated:- 1st April 2023

Coordinators: Dr. P. B. Darji



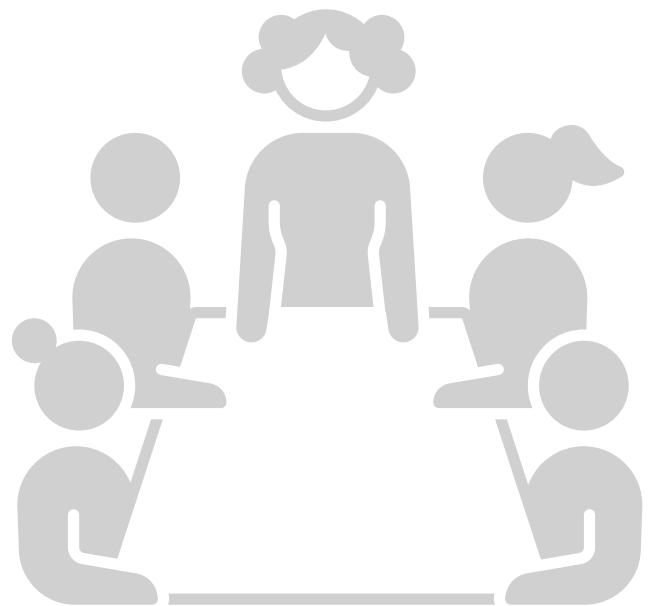


# CONFERENCES

1. C. S. Obbu and **S. Lakhimsetty**, "Design of a Linear Permanent Magnet Synchronous Motor with minimized Cogging Force," 2023 IEEE IAS Global Conference on Renewable Energy and Hydrogen Technologies (GlobConHT), Male, Maldives, 2023, pp. 1-3, doi: 10.1109/GlobConHT56829.2023.10087648.

2. Harshit Srivastava, **Hirenkumar G. Patel**, "Design and Analysis of Anesthesia Model Sensitivity for Integer-IMC PID and Fractional-IMC PID with the help of Smith Predictor" International Conference on Systems, Control and Automation (ICSCA-2023) May 12-13, 2023.

3. T. Stanly Rahul, B.Sai Sandeep and **Hirenkumar G.Patel**, "Model Reference Adaptive Control of Knee Joint Movement and its Performance Analysis", International Conference on Systems, Control and Automation (ICSCA-2023) May 12-13, 2023.



---

# Conferences

4. Shantanu Kumar Singh and **Gangireddy Sushnigdha**, "Re-entry trajectory design using Chebyshev-Lobatto collocation and Piecewise Cubic Hermite Interpolating polynomial based control profiles", International Conference on Systems Control and Automation, 13 May 2023, NIT Kurukshetra.
5. Gopinath Mekala and **Gangireddy Sushnigdha**, "Azimuth position control of rigid deep space antenna using MPC and LQG controllers", International Conference on Systems Control and Automation, 13 May 2023, NIT Kurukshetra.
6. Deepak Mishra and **Gangireddy Sushnigdha**, "Re-entry Trajectory Optimization using Orthogonal Collocation-based Parametrization and Sequential Quadratic Programming Method", International Conference on Systems Control and Automation, 13 May 2023, NIT Kurukshetra
7. Ambati Bhimaraju, Shomi Kumari and **Aeidapu Mahesh**, "Feasibility Study of PV/Wind Hybrid System with Recycled Retired Electric Vehicle Batteries" 2nd International Conference on Smart Grid, Energy Systems and Control at NIT Kurukshetra, 7-9 April 2023.
8. Joshi Sukhdev Nirbheram, **Aeidapu Mahesh** and Ambati Bhimaraju, Optimal sizing of grid-connected hybrid renewable energy system using the GWO algorithm and adapting the Time of use tariff rates, 2nd International Conference on Smart Grid, Energy Systems and Control at NIT Kurukshetra, 7-9 April 2023.







# RESEARCH PUBLICATIONS

## Journals

- Kumar, PH, **S. Lakhimsetty**, Somasekhar, VT. "A low-cost fault-tolerant permanent magnet brush-less direct current motor drive for low-power electric vehicle applications". Int J Circ Theor Appl. 2023; 1- 12. doi:10.1002/cta.3642
- **Suresh Lakhimsetty**, Hema Kumar Patnana, Aniket Sharad Manwar & Veeramraju Tirumala Somasekhar (2023) "Hybrid-Clamping SVPWM Scheme for a Four-Level OpenEnd Winding Induction Motor Drive, Electric Power Components and Systems" DOI: 10.1080/15325008.2023.2226674.
- Krunal Shah, Abid Mansuri, and **Rakesh Maurya**, "A Modified Sliding Mode Observer Based Direct Torque Control for Six Phase Asymmetric Induction Motor Drive," Chinese Journal of Electrical Engineering, June 2023, CJEE-2022-0074 (Accepted).
- Prashant Kumar, **Sabha Raj Arya**, Khyati D Mistry, B Chitti Babu," Performance evaluation of GRNN and ANFIS controlled DVR using machine learning in distribution network", Journal of Optimal Control Applications and Methods, vol. 44, no. 2, pp. 987-1005, March 2023.
- Prince Jain, and **Rakesh Maurya**, "Maximum Torque Per Ampere Controlled Induction Motor Drive with Reduced DC link Capacitor," Australian Journal of Electrical and Electronics Engineering, June 28, 2023, <https://10.1080/1448837X.2023.2232119> (Accepted).

---

# Journals

- Sreelekha Venugopal, Prince Asok, **Sabha Raj Arya**, "WAMS-based Hierarchical Active Power Differential Signal Algorithm for Backup Protection of a FACTS Compensated Transmission Network", Advances in Electrical and Electronic Engineering, vol. 20, no. 4, pp. 390-404, Feb 2023.
- Krunal Shah, and **Rakesh Maurya**, "A Modified Space Vector Modulation Based Rotor Flux Oriented Control of Six-Phase Asymmetrical Induction Motor Drive", Turkish Journal of Electrical Engineering and Computer Sciences, vol.31, no.2, pp.481-497, 2023.
- Karri V.V. Satyanarayana, and **Rakesh Maurya**, "Single switch high voltage gain DC-DC converter for renewable energy applications", Int. J. Power Electronics, March 2023 (Accepted).
- Arvind Pratap, Prabhakar Tiwari, **Rakesh Maurya**, and Bindeshwar Singh, "A Noval Hybrid Optimization Approach for Optimal Allocation of Distribution Generation and Distribution Static Compensator with Network Reconfiguration in Consideration of Electrical Vehicle Charging Stations", Electric Power Components and Systems, March 23, 2023 (Accepted).
- Ambati Bhimaraju, **Aeidapu Mahesh**, Sukhdev Nirbheram Joshi, Feasibility Study of Solar Photovoltaic/Grid-Connected Hybrid Renewable Energy System with Pumped Storage Hydropower System using Abandoned Open Cast Coal Mine: A Case Study in India, Journal of Energy Storage. (Available online).
- Sukhdev Nirbheram Joshi, **Aeidapu Mahesh**, Ambati Bhimaraju, Techno-Economic Analysis of Grid-Connected Hybrid Renewable Energy System adapting Hybrid Demand Response Program and Novel Energy Management Strategy, Renewable Energy, Volume 212, Pages 1-16, May 2023





---

# Short-Term Training Course / Workshops

- **Sukanta Halder, Rakesh Maurya, Sabha Raj Arya, S. N. Sharma**, organised a Short Term Training Course "Power and Control Strategy for Net-Zero Emissions, 20-24 February 2023



---

# NEWLY JOINED NON TEACHING STAFF

**NAME: ANIL KUMAR**  
**DESIGNATION: TECHNICAL ASSISTANT**  
**DATE OF JOINING: 17/04/2023**



**NAME: HENA DESAI**  
**DESIGNATION: TECHNICAL ASSISTANT**  
**DATE OF JOINING: 21/04/2023**



**NAME: GAURAV GOHIL**  
**DESIGNATION: TECHNICAL ASSISTANT**  
**DATE OF JOINING: 24/04/2023**





---

# NEWLY JOINED STAFF

**NAME: MAYANK BHAGAT**  
**DESIGNATION: SENIOR TECHNICIAN**  
**DATE OF JOINING: 20/04/2023**



**NAME: LOKESH SHARMA**  
**DESIGNATION: SENIOR TECHNICIAN**  
**DATE OF JOINING: 01/05/2023**



**NAME: BHAVESH KUMAR JHA**  
**DESIGNATION: SENIOR TECHNICIAN**  
**DATE OF JOINING: 02/05/2023**



---

# NEWLY JOINED STAFF

**NAME:** ZANKHNA DESAI  
**DESIGNATION:** TECHNICIAN  
**DATE OF JOINING:** 01/05/2023



**NAME:** ALOK KUMAR JHA  
**DESIGNATION:** TECHNICIAN  
**DATE OF JOINING:** 20/04/2023



**NAME:** KARAN PARMAR  
**DESIGNATION:** TECHNICIAN  
**DATE OF JOINING:** 24/04/2023



# RESEARCH PROJECT

**PROJECT TITLE:** "DEVELOPMENT OF INK-PRINTED FLEXIBLE SOLAR CELL WITH ANTIMONY-BASED NANOSTRUCTURED PEROVSKITE USING SLOT-DIE COATING"

PI: DR VIPUL KHERAJ, ASSO PROF, DEPARTMENT OF PHYSICS CO-PI: **DR ASHISH K PANCHAL**, DEPARTMENT OF ELECTRICAL ENGINEERING

**SPONSORING AGENCY:** GUJCOST, GANDHINAGAR. LETTER NO. GUJCOST/STI/2023-24/255

**SANCTIONED AMOUNT:** RS. 22,40,200/-







---

# EXPERT TALKS BY FACULTY

- **Dr. Ashish K. Panchal** delivered an expert talk on "**Renewable Energy for India**" and "**Solar Photovoltaic Technology**" in a week short-term training program on "**Power Electronics Application for Power System**" in S S Gandhi Polytechnic College of Engineering, Majuragate, and Surat from 19-23 June 2023.
- **Dr. K V Praveen Kumar** delivered a guest lecture online, "**Trends and Challenges in EV Drive Train Design and Control**", on 22nd June 2023 under the aegis of AICTE – Margdarshan held at NIT Tiruchirappalli.
- **Dr. Rakesh Maurya** delivered an expert lecture on "**Integrated On-Board Electric Battery Chargers**" in Faculty Development Program on "**Green technologies for sustainable development: impact, challenges and future aspects**" organized by the Electrical and Electronics Engineering Department, Amity University Noida on 13.06.2023 at 2:00 PM - 3:00 PM.



# BOOK PUBLICATIONS

- **Suresh Lakhimsetty**, Hareesh Myneni and Obbu Chandra Sekhar. "Single Inverter switched SVPWM scheme for Four-Level Open-End Winding Induction Motor Drive" MULTILEVEL CONVERTERS: ADVANCES AND APPLICATIONS, **Wiley Scrivener Publishing**. (Accepted)





## FACULTY ACHIEVEMENTS

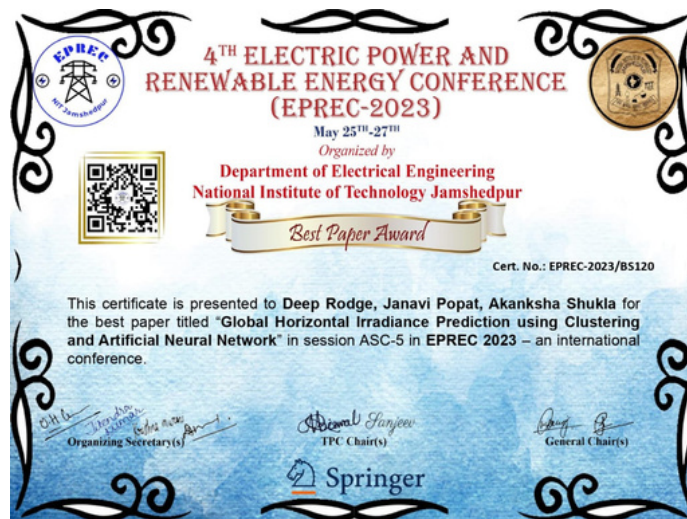
- **Dr. K V Praveen Kumar** Acted as a session chair for the conference held at MANIT, Bhopal, in Online mode (2023 IEEE Renewable Energy and Sustainable E-Mobility Conference (RESEM 2023) is being organized at MANIT Bhopal in hybrid mode during May 17-18, 2023).
- **Dr. Suresh Lakhimsetty**, Assistant Professor, was elevated to IEEE Senior Member on 12th May 2023.





# STUDENTS ACHIEVEMENTS

- **Miss. Janvi Popat (U19EE037)** along with her teammates **Deep Rodge (U19EE107)** and **Dr. Akanksha Shukla** received the **Best Paper Award** for their research paper entitled "**Global Horizontal Irradiance Prediction using Clustering and Artificial Neural Network**" in 4th Electrical Power and Renewable Energy Conference (EPREC) organized by NIT Jamshedpur.



- **Mr. Prabhakar Jaiswal (U19EE073)** achieved the impressive position of 1st runner-up in the Udaan 1.0 Drone Challenge.



---

# STUDENTS ACHIEVEMENTS

- M.Tech. Student **Ranjeet kumar** Sah has secured admission at Department of Electrical Engineering, IIT Bhilai as a Full-Time PhD Research Scholar.

- **ROBOFEST-GUJARAT 3.0**

GUJCOST organizes an annual competition aimed at fostering scientific curiosity among young minds and promoting public awareness of science, technology, and research and development programs. This year, it has successfully selected four teams from SVNIT to advance from level I to level II.

# STUDENT ACHIEVEMENTS

## • GATE EXAM

### GATE 2022

1. Kakdiya Harsh Arvindbhai (GATE EE AIR 7906 and GATE EC AIR 1587)
2. Yadav Rituraj Sunilkumar (GATE EE AIR 10589)



### GATE 2023

1. Kakdiya Harsh Arvindbhai (GATE EE AIR 739 and GATE EC AIR 820)
2. Bingi Poojari Venkatesh (GATE EE AIR 1077)
3. Vadhel Kulddepkumar Chimanbhai (GATE EE AIR 1536)
4. Tirth Devayatbhai Shiyala (GATE EE AIR 3954 and secured M Tech Instrumentation Systems at IISc Bangalore)
5. Sri Rishitha Kakileti (GATE EE AIR 7890)

## • CAT EXAM

### CAT 2022

1. Jaideep Gupta (98.90 percentile)
2. Ravi Singh (98.23 percentile)
3. Jyotsna Seerapu (70.34 percentile)



## • IELTS EXAM

### IELTS 2023

1. Prisni Roy (7.5 band)





---

# PH.D. AWARDEE

**DS14EL004**

**04/05/23**

**SHIMIN V. V.**

**"BATTERY-ULTRACAPACITOR COMPOSITE POWER SUPPLY AND  
THIER ENERGY MENEGAMENT FOR LIGHT ELECTRICAL VEHICLES"**

**SUPERVISORS - PROF. VARSHA A. SHAH**

**DR. MAKARAND M. LOKHANDE**



---

# PLACEMENTS

## B.TECH

NAME	COMPANY	CTC
AKANSHA CHAURASIA	CGI	28.54
DEEPAM SINHA	TEXAS INSTRUMENTS	25.56
RAJ NATH SHINDE	MATHWORKS	24.19
AVNI AGRAWAL	MATHWORKS /JP MORGAN	24.19
HARIOM VYAS	WELLSFARGO	24



---

# PLACEMENTS

## M.TECH POWER SYSTEM

NAME	COMPANY	CTC
KEVIN PATEL	BAJAJ AUTO/ BOSCH	12.24
ROHITH S	L&T	12.10
REKHA CHANDOLA	CUMMINS	11.70

---





---

# PLACEMENTS

## M.TECH PEED

NAME	COMPANY	CTC
BHAVYA DHOLU	BORGWARNER	10
JAYDEEP YADAV	BORGWARNER	10
NALLAPU RISHIKA	BOSCH	9



---

# PLACEMENTS

## M.TECH IC

NAME	COMPANY	CTC
RADHIKA NAIR	CUMMINS	11.7
ARUNIMA SAGAR	BORGWARNER	10
HIMANSHU PRAJAPATI	BOSCH	9

---



# ALUMNI SECTION



## HARSHITA GUPTA ALUMNI INFORMATION

### 1. What are the things you fondly remember about our department?

I fondly remember all our teachers! First and foremost - my favorite - Anandita Ma'am - I miss her the most, and her endless kindness, sweetness and motherly concern for us students! I fondly remember Panchal sir's insistence on high standards - in discipline, punctuality, efforts in class and beyond. And also, both Anandita Ma'am and Panchal sir's effective teaching! HGP sir's gently and effortlessly making Control Systems simple for us to understand, and fun! JJP sir's infectious passion for Microelectronics which he passed on to us!

I developed a keen interest in Power Electronics and electric drives all thanks to Mullah sir's and Chudamani Ma'am's excellent teaching; and also in renewable energy thanks to Panchal sir, and his initiative of introducing the new course! I also remember our visit to a solar cell factory as a part of that course!

I also fondly remember how we classmates used to get together to study sometimes in unused labs or classrooms in department. It was a very fruitful exercise- because we were then able to explain things to each other - sometimes someone understood a particular concept better - they'd explain it to the rest of us! We used to solve textbook problems together and help each other out with those, similarly! And the best part was - if we were stuck on anything and not able to understand a particular concept, we could always approach teachers who'd be around!

### 2. What is your current position and how did our college prepare you for your career ?

I am currently doing Chip Design. I had decided to further pursue my interest (that I'd developed while at SVNIT) in Power Electronics and renewable energy by doing a Master's degree from North Carolina State University. There I got interested more in Chip level Power Electronics (and Analog IC design) - i.e. Power Management IC design! So I did that for around 5 years. Now I've moved to more of Mixed Signal Design role that involves Analog Front End chip design for automotive applications!

The faculty of Electrical Department are I believe some of the best in SVNIT - they inculcate a seriousness and focus towards academics throughout the undergrad program that stays after graduation too. The best lesson you learn is - how to learn anything new without getting intimidated? By not giving it up only because it appears difficult - but by giving in time and effort to understand it, seeking help from wherever you can, persisting at it. Electrical Department at SVNIT teaches this to students who are open to learning this lesson! And this helps them further ahead in life!

---

# ALUMNI SECTION

### **3. What skills or knowledge did you learn throughout the program that you found most useful in your career?**

I found my experience with Seminar and Final year project particularly useful! Because we had to do those quite independently - we had our teachers' help of course, but we had to do some amount of research by ourselves - it was a first for me, and I found I enjoy it! That's the time I read IEEE papers for the first time and I realized there's so much more to the subjects beyond our textbooks - I knew that in theory before too - but somehow it hit me more while preparing for Seminar and Final year project! It widened my perspective!

All my projects during Masters and my job after that had required - and my current job too requires - research!

So, the research experience from Seminar and Final Year project, plus the general focus towards academics, and lesson on 'how to learn anything new' has fared me well and carried me forward after college!

### **4. WHAT ARE YOU MOST PROUD OF FROM YOUR COLLEGE EXPERIENCE ?**

I'm proud that when I graduated, my college experience enabled me to feel independent and capable. I had faith that even if it turned out that the path ahead would require me to acquire some new skills or knowledge, I'd be able to grow my capabilities by putting in persistent and sincere efforts. That's what I'm striving for every day - trying to grow my capabilities!



# ALUMNI SECTION



## YASH DAVE ALUMNI INFORMATION

### 1. What are the things you fondly remember about our department?

Our department EE was very disciplined and organised. I still remember all the faculties were very helpful throughout the B.Tech course specially Ashish Panchal Sir, Chudamani madam, Mulla Sir, Jariwala Sir. They used to solve my any doubts and they always gave practical approach to the subjects.

### 3. What skills or knowledge did you learn throughout the program that you found most useful in your career?

The technical skills in Electrical Engineering learnt is helping me in all ways in current scenario. Because of the basic in depth knowledge, I am able to relate all the technical aspects of all fields like mechanical, civil, electronics, etc. As mentioned earlier, the discipline and learning attitude which I learnt in EE Department is helping me in all ways knowingly or unknowingly.

### 2. What is your current position and how did our college prepare you for your career?

I am presently working as officer at Indian Oil Corporation Limited. I would like to give entire credit of my position to SVNIT and particularly our EE Department. I learnt all the subjects with full depth and clear concepts with the help of our faculties. I used to ask questions in the class and also after class hours and always received the resolution of the doubts.

I won the Gold medal for 2015 batch and I cleared GATE 2015 with AIR 311. I achieved this milestone without any external coaching. I was able to do it because of my continuous effort for 4 years B.Tech program along with full support from the faculties of EE Department for giving in depth knowledge about the subjects. I would also like to specially thank Ashish Panchal Sir for mentoring me and giving me right guidance.

### 4. What are you most proud of from your college experience?

I am proud of my 3rd year internship which I did at IIT Delhi with the reference of Ashish Panchal Sir and the final year project under Ashish Panchal Sir. It really taught me the practical thinking approach to the theoretical subjects.

We designed the project to maximize energy output of solar PV panel by mechanical and electrical methods combined under the guidance of Ashish Panchal Sir.

In the end, I would like to say that the EE Department of SVNIT is surely the best EE Department across whole Gujarat and also among all NITs. I am proud being called the alumni of the EE Department of SVNIT.

---

# ELECTRICAL ENGINEERING SOCIETY (EES)

## MASKED BANDIT

This is the ultimate treasure hunt event for first-year students organized by EES, the Electrical Engineering Society. This event is specially designed to help new students relax, make friends, and have a great time. Masked Bandits is a thrilling treasure hunt adventure that takes you on a journey across campus to uncover hidden treasures and solve challenging puzzles. You and your team will have to work together to find clues, decode riddles, and overcome obstacles to reach the final destination. Masked Bandits is a perfect way to connect with other first-year students, make new friends and explore the campus. Participants will be working together towards a common goal, which is a great bonding experience.



## DISCHARGE

On 11th February 2023, The Electrical Engineering Society (EES) organized Discharge-2k23 for the first-year students. This orientation event provided a platform for students to learn about various events and opportunities provided by EES through informative talks, interactive workshops, and hands-on activities.



The event included presentations and fun talks by EES core team members and guidance from faculty members. The attendees also received a tour of the facility and learned about the EES's history, mission, and values. The objective of this orientation was to introduce first-year students to the members of EES and other students who share common interests. The event also provided an overview of events such as Dextrix and Masked Bandits, Aatish, and many more.

Overall, the EES's Discharge 2k23 aimed to provide attendees with a comprehensive understanding of the EES in the electrical engineering department. The faculty members played a crucial role in the success of the event by sharing their knowledge, experiences, and insights.

---

## TEAM

---



**GANGIREDDY SUSHNIGDHA**  
ASSISTANT PROFESSOR  
DOEE, SVNIT SURAT



**J.VENKATARAMANAIAH**  
ASSISTANT PROFESSOR  
DOEE, SVNIT SURAT



**SURESH LAKHIMSETTY**  
ASSISTANT PROFESSOR  
DOEE, SVNIT SURAT



**VISHANT BAYANI**  
LAB ASSISTANT  
DOEE SVNIT SURAT



**MAYANK BHAGAT**  
SENIOR TECHNICIAN  
DOEE SVNIT SURAT