

APR'25- MAR'26

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 2025 TO 2026.



HIGHLIGHTS

- Research publications
- PhD Awardees
- Research and Consultancy projects
- Placement Details

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. S.R. ARYA

Head, DoEE
SVNIT, Surat

Welcome to the Department of Electrical Engineering at SVNIT, Surat. The Department has 23 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 specializations are Power Electronics and Electric Drives, Power Systems and Control & Automation. The Department of Electrical Engineering has many PhD scholars, and a significant amount of research is ongoing.

I am happy to present the 19th 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. P.Kundu, Dr. V.Mahajan, Dr. C.P.Gor** and **Dr. Suresh Lakhimsetty** in editing this issue. I also thank **Shri. Mayank Bhagat** for assisting the committee members.





RESEARCH PUBLICATIONS

IEEE Transactions

- **Ch. Jagadeesh, S.R. Arya, A. k. Giri and P. Ray**, "Variable Step Size ZALMS with Optimized PI for Power Quality in Wind Integrated PMSG System," Accepted for Publication IEEE Transactions on Industry Application, 2026.
- **P. Mahesh, S. R. Arya, and P. Ray**, "Indirect Rotor Flux Oriented Parameter Adaptive Control of Induction Motor Drives under Dynamics with Optimized Gains," Accepted for Publication IEEE-CPSS Transactions on Power Electronics and Applications, 2026.
- **Pudari, S. R. Arya and B. C. Babu**, "Optimal HONN for Parameter Estimation in Adaptive Speed Control of IRFOC-Based Induction Motor Drives," in IEEE Transactions on Power Electronics, vol. 41, no. 9, pp. 14839-14848, Sept. 2026
- IEEE Transactions on Power Electronics (June 2025): **S. R. Arya, P. Mahesh and P. Ray**, 'Optimal Elman Recurrent Neural Networks-based induction motor drives with estimated machine parameters' (vol. 40, no. 6, pp. 8480-8489).
- IEEE Transactions on Instrumentation and Measurement (2025): **P. Mahesh, S. R. Arya and P. Ray**, 'Adaptive parameter measurement in sensorless speed control of induction motor for Vehicle Loads' (vol. 74, pp. 1-10).
- IEEE Transactions on Automation Science and Engineering (2025): **P. Kumar, S. R. Arya, K. D. Mistry and P. Ray**, 'Performance of DVR using diffusion norm penalized LMS fourth adaption algorithm with optimized FOPID Gains' (vol. 22, pp. 3543-3552).



RESEARCH PUBLICATIONS

Journals

- **Jahera Shaik, R. Chudamani**, 2025, Model Validation of Double Phase Fault in Pentagon connected FPIM through Simulation and Experimentation. International Journal of PowerElectronics. DOI: <https://doi.org/10.1504/IJPELEC.2026.10073691>.
- **Jahera Shaik, and R. Chudamani**, Empirical Open-Phase Fault Model for PC FPIM and Comparative Fault Tolerance Evaluation against Star Configuration. International Journal of Circuit Theory and Applications DOI: <https://doi.org/10.1002/cta.70415>.
- Elsevier Journal of e-Prime (2025): **Prashant Kumar and Sabha Raj Arya**, 'Exponential Function LMS and Fractional Order PID based Voltage Power Quality Enhancement in Distribution Network' (Accepted).
- Journal of Electrical Engineering (April 2025): **P. Mahesh, S. R. Arya and P. Ray**, 'Multi-parameter identification using PQ-MRAS for Indirect Field Oriented Control IMD with Optimized PI Gains' (Accepted, pp. 1-18).
- **Jagadeesh Ch, Sabha Raj Arya, Ashutosh K. Giri**, "Power quality features in distributed power generation using a gradient adaptive algorithm with optimised PI gain," International Journal of Ambient Energy, vol.47,no.1, pp.1-20 , 2026.(2603416)
- **Aliasgar P. Shayer and Mahmadasraf A. Mulla**, "Power flow management of a traction substation using a TCLC coupled three-leg four-wire VSC," Progress in Engineering Science, vol. 3, no. 1, Elsevier, March 2026.
- <https://doi.org/10.1016/j.pes.2026.100230>



RESEARCH PUBLICATIONS

Journals

- **A. Routray, K.D. Mistry, S.R. Arya, and B. Chittibabu**, 'Applied machine learning in wind speed prediction and loss minimization in unbalanced radial distribution system' (vol. 47).
- **Srikakolapu, J., Arya, S. R., & Maurya, R.**, 'Control of three wire DSTATCOM using cascaded delayed signal cancellation effect' (vol. 47).
- **Arya, S. R., Maurya, R., Giri, A. K., Qureshi, A., and Baladhanautham, C. B.**, 'Power quality solutions for effective utilization of single-phase induction generator using voltage source converter' (vol. 47).
- **H.M. Pandya, S.R. Arya, and A.K. Giri**, 'Steady-state linear Kalman filter-based FLL control for DSTATCOM with optimized PI gains' (vol. 37, 17435–17455).
- **V. Gundeboina, R.R. Chilipi, and S.R. Arya**, 'Power quality improvement through UPQC-P using multiple-enhanced Lyapunov-demodulated quadrature signal generator' (vol. 107, pp. 14383–14405).
- **P. Kumar, S.R. Arya, and S. Kumar**, 'Performance investigation of dynamic voltage restorer for power quality enhancement and signal conditioning based on machine learning' (vol. 107, pp. 11301–11314).
- **H.M. Pandya, and S.R. Arya**, 'Control of DSTATCOM using reduced order-based adaptive observer under grid supply with optimized PI gains' (vol. 107, pp. 8843–8859).
- **V. Nagamalleswari, and S.R. Arya**, 'Control of DVR using enhanced transfer delay frequency-locked loop using sine–cosine optimization' (vol. 107, pp. 8743–8759).



RESEARCH PUBLICATIONS

Journals

- Elsevier Electric Power Systems Research (2025): **P. Kumar** and **S. R. Arya**, 'Power quality improvement of distribution system using adjoint LMS and Takagi Sugeno based control strategy' (vol. 241, 111347).
- **B. Dawar**, **S.R. Arya**, and **R. Chilipi**, 'Enhancing power quality with optimized PI controller in three-phase four-wire wind energy system' (vol. 107, pp. 8499–8517).
- **C. Deshpande**, **R. Chilipi**, and **S.R. Arya**, 'A multi-convex composition of adaptive LMS filter-based control for dynamic voltage restorer with SSO-optimized PI gains' (vol. 107, pp. 8243–8257).
- **C. Jagadeesh**, and **S.R. Arya**, 'Variable steps least mean square in wind-based standalone distributed generation system for power quality features' (vol. 107, pp. 8229–8242).
- **B. Dawar**, **S.R. Arya**, and **P. Ray**, 'Wind energy conversion system using fractional least means fourth-based control for power quality' (vol. 107, pp. 6851–6867).
- **Manne Bharathi**, **Obbu Chandra Sekhar**, **Suresh Lakhimsetty**, "Performance evaluation of flux reversal machines with rare-earth and non-rare earth excitations for micro wind energy," Current Applied Physics, Vol. 80, 2025, Pages 51-63, ISSN 1567-1739, <https://doi.org/10.1016/j.cap.2025.09.002>.



RESEARCH PUBLICATIONS

Journals

- **P. Kumar, S. R. Arya and S. kumar**, "Power Quality Enhancement Using Dynamic Voltage Restorer with Echo State Network and Type-2 Fuzzy Logic Control," Accepted for Publication IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2026. doi: 10.1109/JESTIE.2026.3670180.
- **Hardik M. Pandya, S. R. Arya and P. Ray**, "Optimized PI gains with variable fractional power least mean square control for DSTATCOM," Electric Power Systems Research, vol. 260, pp. 1-14 (113351), 2026.
- **Jahera Shaik and R. Chudamani**, "An Empirical Modelling of Open-Phase Fault and Auto-Derating Control Strategy for PC-FPIM in Electric Vehicle Propulsion," in IEEE Transactions on Transportation Electrification, vol. 12, no. 1, pp. 888-901, Feb. 2026. DOI:<https://doi.org/10.1109/TTE.2025.3622950>.
- **G. Yadav, D. Gohil, J. Venkataramanaiah and S. Lakhimsetty**, "A New Control Method to Operate Isolated MLI as a Fast Fault-Tolerant Configuration for Handling a Wide Variety of Open Circuit Failures," in IEEE Transactions on Power Electronics, vol. 40, no. 9, pp. 12770-12778, Sept. 2025, doi: 10.1109/TPEL.2025.3571474.
- **Ranjith Kumar Uppuluri, Rajasekharareddy Chilipi, and Mahmadasraf A. Mulla**, "Model Predictive Control of a Single-Stage SPV under Weak Grid Conditions," in IEEE Transactions on Consumer Electronics (2026), (selected). <https://doi.org/10.1109/TCE.2026.3682997>



RESEARCH PUBLICATIONS

Conferences

- **B. K. Sethi, N. Kher and D. Mukherjee**, "A Novel Data-Driven State of Charge Estimation for Li-Ion Batteries," 2025 IEEE 12th Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON), Varanasi, India, 2025, pp. 1-5, DOI: 10.1109/UPCON66414.2025.11453746.
- **A. Singh, B. K. Sethi**, "Optimal Placement and Sizing of Distribution Generator and D-STATCOM in Power System Network," IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (IEEE-SPERT 2025, SVNIT Surat, Gujarat, India, 2025 (Accepted and Presented).
- **V. K. Yadav, B. K. Sethi, C. P. Gour**, "Smart Home Energy Management System Considering Battery Degradation Cost," the IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (IEEE-SPERT 2025, SVNIT Surat, Gujarat, India, 2025 (Accepted and presented).
- **H. M. Pandya, S. R. Arya, S. Mukherjee, A. K. Giri and P. Ray**, 'Inverse Vander-monde Matrix based LES-PLL Control for DSTATCOM Using TLBO' (pp. 1-7, 2026), IEEE International Conference on Electric Power and Renewable Energy (EPREC), Durg, India.
- **D. Venkayya, S. K. Jalan, B. C. Babu and S. R. Arya**, 'Implementation of Integral Moving Average Filter Based Control of Grid-Tied Solar PV System' (pp. 1-5, 2025), IEEE PES Conference on Innovative Smart Grid Technologies - Middle East (ISGT Middle East), Dubai, UAE.



RESEARCH PUBLICATIONS

Conferences

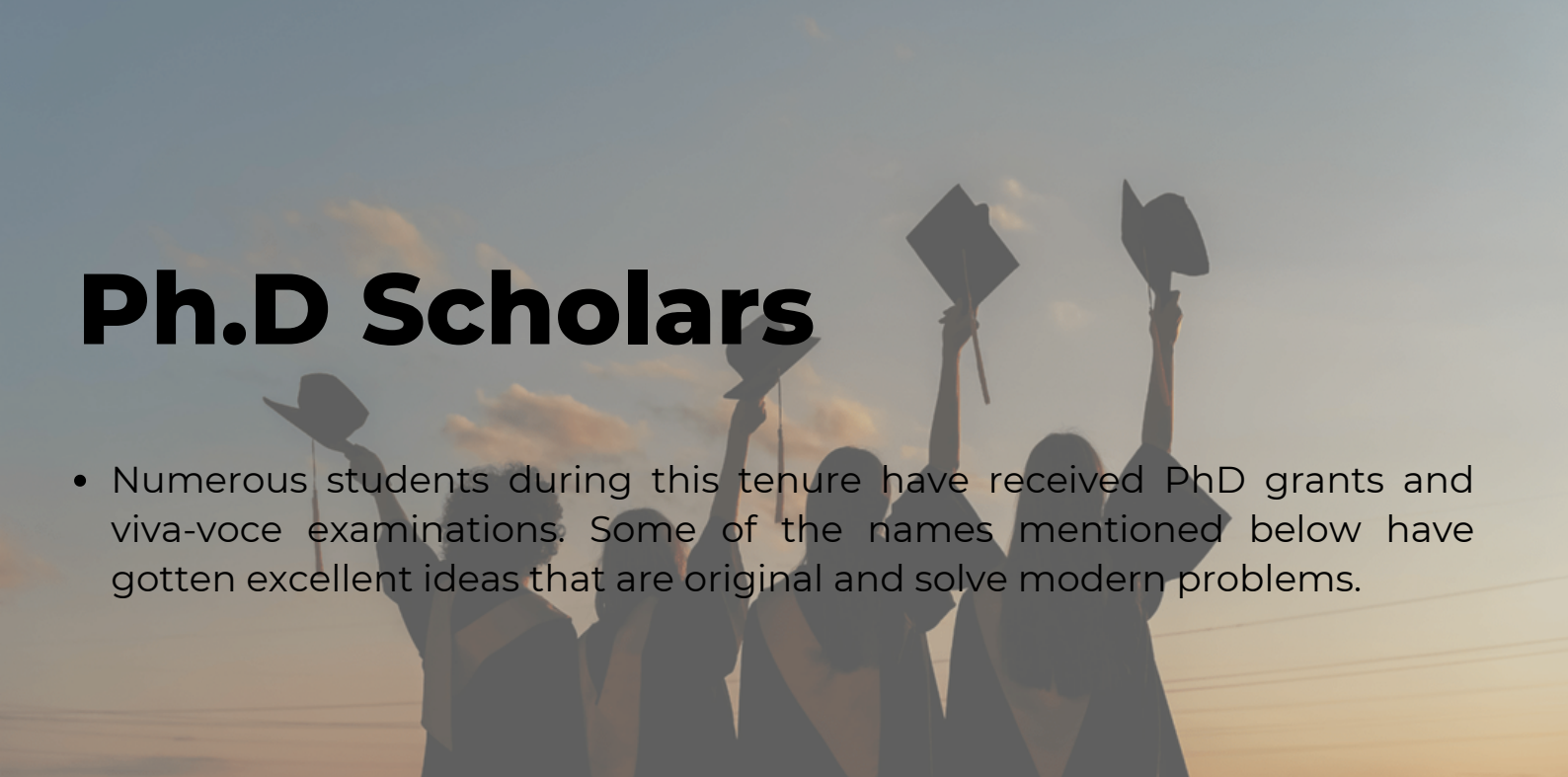
- **Joshi Sukhdev Nirbheram, Aeidapu Mahesh**, "Techno-economic analysis and optimization of standalone PV-WT-Battery hybrid energy systems with loss assessment" (119074), Journal of Energy Storage (Volume 141, Part A, 1 January 2026).
- **Joshi Sukhdev Nirbheram, Aeidapu Mahesh, Ambati Bhimaraju**, "Feasibility study of a PV-grid-assisted charging station for electric and hydrogen fuel cell vehicles under uncertain arrivals" (135449).
- **Joshi Sukhdev Nirbheram, Aeidapu Mahesh, Gangireddy Sushnigdha**, "Design and Optimization of Standalone HRES for Enhanced Utilization of Surplus Renewable Energy", IEEE 5th International Conference on Sustainable Energy and Future Electric Transportation, SEFET, MNIT Jaipur, India, 2025.
- **G. Yadav, J. Venkataramanaiah and S. Lakhimsetty**, "Advanced Multilevel Inverter with Integrated Fault Tolerance: A Novel Approach," 2025 IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (SPERT), Surat, India, 2025, pp. 1-6, DOI: 10.1109/SPERT67079.2025.11469334.
- **R. R. Shaikh, S. Lakhimsetty, S. R. Arya, J. Venkataramanaiah and O. C. Sekhar**, "ANN-Based Direct Torque Control and Fuzzy-PI Predictive Torque Control Techniques for Open-End Winding Induction Motor Drives," 2025 IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (SPERT), Surat, India, 2025, pp. 1-5, doi: 10.1109/SPERT67079.2025.11469230.



RESEARCH PUBLICATIONS

Conferences

- **L. S. Duvvuri, S. Lakhimsetty, H. G. Patel and V. B. Pulavarthi**, "Distance Measurement Using Ultrasonic Sensor Array With Kf and Sensor Fusion on Different Metal and Non-Metal Surface Objects," 2025 IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (SPERT), Surat, India, 2025, pp. 1-6, doi: 10.1109/SPERT67079.2025.11469545.
- **M. John, K. V. P. Kumar and S. Lakhimsetty**, "Dynamic Modelling and Evaluation of PMSM and PMa-SynRM Using dq Reference Frame," 2025 IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (SPERT), Surat, India, 2025, pp. 1-6, doi: 10.1109/SPERT67079.2025.11469189.
- **Keyur K. Patel, Mahmadasraf A. Mulla and Sanjay Tolani**, "Enhanced Core Temperature Estimation in Lithium-Ion Batteries Using EKF and PSO-Based Thermal Modeling," 2025 IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (SPERT), Surat, India, 2025, pp. 1-6, <https://doi.org/10.1109/SPERT67079.2025.11469655>
- **Keyur K. Patel, Mahmadasraf A. Mulla and Sanjay Tolani**, "Core Temperature Estimation in Lithium-Ion Batteries Using EKF and Offline-Based Thermal Parameters," 2025 IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (SPERT), Surat, India, 2025, pp. 1-6, <https://doi.org/10.1109/SPERT67079.2025.11469567>
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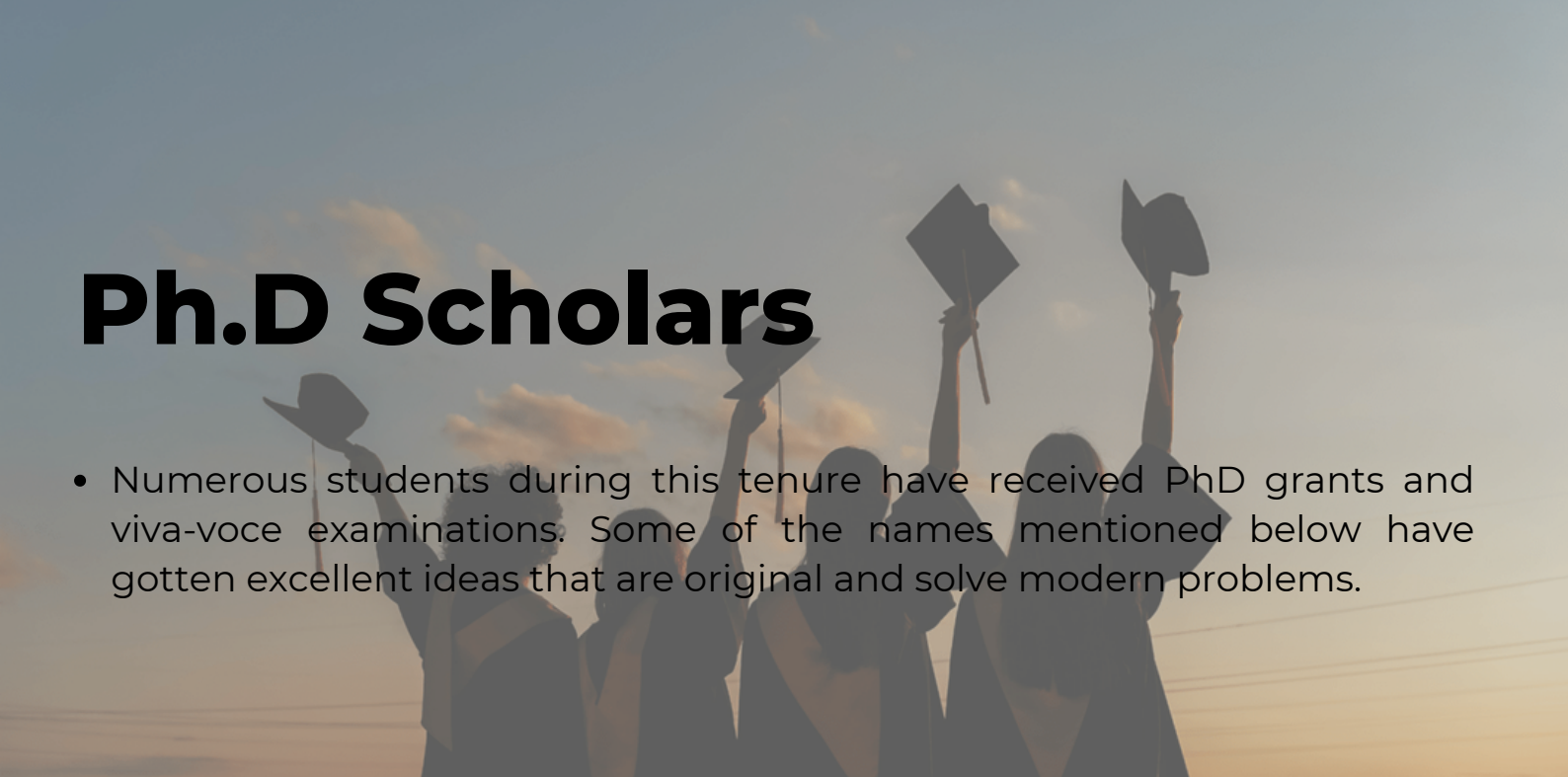
Ph.D Scholars

- Numerous students during this tenure have received PhD grants and viva-voce examinations. Some of the names mentioned below have gotten excellent ideas that are original and solve modern problems.

Ph.D Awardee

- 1) Small signal Stability Analysis and Power-Sharing Enhancement In Islanded Inverter-based Microgrids- **By MATHARANI KINNARIBEN CHETANKUMAR (D18EL001) Under the supervision of Prof. HITESH R. JARIWALA.**
- 2) The Koopman Operator Approach to Nonlinear Control Problems and its Comparison with the Carleman Embedding- **By AMRUTA SANJAY LAMBE (D19EL003) Under the supervision of Dr.HIREN G. PATEL and Prof. S. N. SHARMA.**
- 3) Solar PV-EV Battery-Based Hybrid System with a Unified Energy Management Scheme for Grid-Integrated and Islanded Conditions- **By KALASH SRIVASTAVA (DS19EL005) Under the supervision of Dr. RAKESH MAURYA and Dr. SHAILENDRA KUMAR.**
- 4) Parameter Estimation and Adaptive Control of Induction Motor Drives- **By PUDARI MAHESH (D20EL003) Under the supervision of Prof. SABHA RAJ ARYA.**
- 5) Enhanced EV Charging Systems: Unveiling Modified Switches Z-Sources Topologies with Predictive Algorithms and Realised Hardware Solutions- **By ANISH TIWARI (DS18EL003) Under the supervision of Prof. ANANDITA CHOWDHURY.**
- 6) Power Converters for Integration of Electrical Sources to DC Microgrid- **By KARRI V V SATYANARAYANA (D20EL007) Under the Supervision of Dr. RAKESH MAURYA**
- 7) An Effect to Improve Performance of Modular Multilevel Converter by Reduced Device Count and Advanced Control Techniques- **By HIMANSHUKUMAR NATVARLAL CHAUDARI (D18EL002) Under the Supervision of Prof. PRANAV B. DARJI.**





Ph.D Scholars

- Numerous students during this tenure have received PhD grants and viva-voce examinations. Some of the names mentioned below have gotten excellent ideas that are original and solve modern problems.

Ph.D Awardee

8)Model Predictive Control Statergies for Interior Permanent Magnet Synchronous Motor Drives-
By KASOJU BHARATH KUMAR (D22EL007) Under the Supervision of Dr. KUNISETTI V. PRAVEEN KUMAR.

9)Performance Evaluation of Fuzzy Logic-Sliding Mode Controlled Induction Motor Drive-**By TIDKE REKHA SUNIL (DS18EL012) Under the supervision of Prof. ANANDITA CHOWDHURY.**

10)Non-Gaussian Nonlinear State Estimators for Angles-Only Target Tracking Problems- **By ASFIA JAWEDIQBAL (DS19EL006) Under the Supervision of Prof. S. N. SHARMA, Dr. RAHUL RADHAKRISHNAN.**

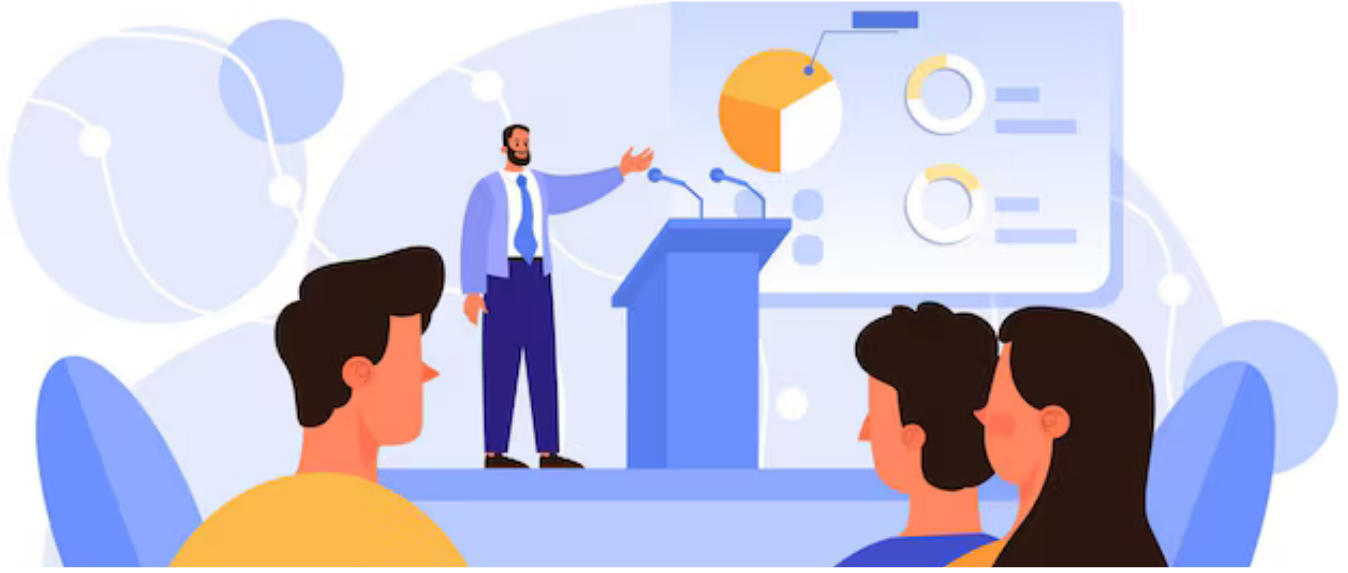
11)Advanced Approaches in Re-Entry Trajectory Design for Hypersonic Vehicles- **By DEEPAK MISHRA (D20EL006) Under the Supervision of Dr. GANGIREDDY SUSHNIGDHA.**

12)Techn-Economic Optimization of Hybrid Renewable Energy Systems for Enhanced Reliability and Performance- **By JOSHI SUKHDEV NIRBHERAM (DS20EL005) Under the Supervision of Dr. MAHESH AEIDAPU.**

13)Advanced Railway Electrification: Power Management in Traction Substation Through Transformer and Converter Configurations- **By SHAYER ALLASGAR PARVEZ (DS17EL004) Under the Supervision of Prof. MAHMADASRAF A. MULLA.**

14)A study on Space Vector Modulation Statergies for Six-Phase Asymmetrical Induction Motor Drive- **By MANSURI ABIS EMTIYAZ (DS20EL001) Under the Supervision of Prof. Rakesh Maurya.**

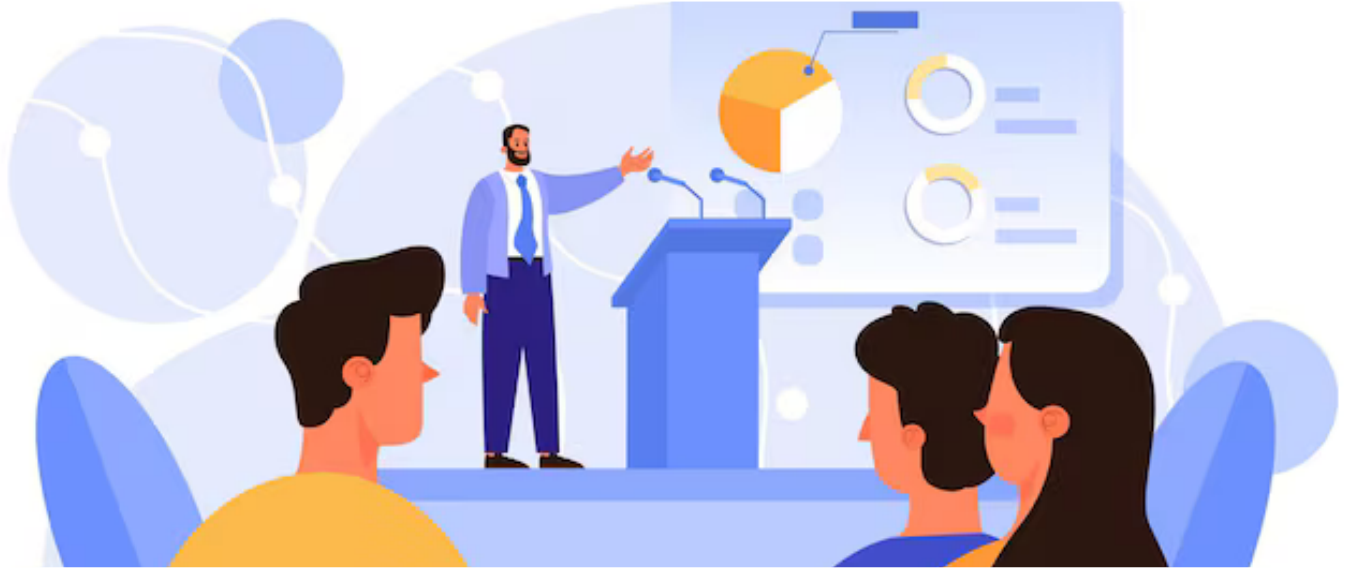




EXPERT TALK

- **Dr. Mahmadasraf A. Mulla** delivered talk on “Power Electronics for a Sustainable Future – PELS Day and Chapter Activity” during the PELS Day Celebration event on 19 Jun 2026.
- **Dr. Mahmadasraf A. Mulla** delivered talk on “Chapter Engagement” in E-Mobility Industry–Academia Conclave organised on 02 May 2026. Organised by IEEE Gujarat Section IES/IAS/PELS Joint Chapter and IEEE IES – Hubs & Nodes Initiative at DoEE, SVNIT, Surat, Gujarat, India.
- **Dr. Mahmadasraf A. Mulla** delivered expert talk on “Demonstration of Wind Emulator using DFIG Setup with Grid Integration” in a Five-Day Workshop on “Battery Energy Storage System - A Laboratory Perspective” at DoEE, SVNIT, Surat on 15 March 2026.
- **Dr. Mahmadasraf A. Mulla** delivered expert talk on “Battery Pack Design and Fabrication using Spot Welding Equipment” in a Five-Day Workshop on “Battery Energy Storage System - A Laboratory Perspective” at DoEE, SVNIT, Surat on 12 March 2026.
- **Dr. Gangireddy Sushnigdha** delivered a talk on "Introduction to Kalman Filter and its application to Core Temperature Estimation of a Battery" in Workshop on Battery Energy Storage Systems—A Laboratory Perspective, held in DoEE, SVNIT Surat organized from March 11-15, 2026.
- **Dr. Suresh Lakhimsetty** delivered expert talk on "Speed Control Strategies of Open-End Winding Induction Motor Drive for Electric Vehicle Applications" in a One Week STTP on “Hybrid Electric Vehicle Evolution in the 21st Century: Towards Green and Sustainable Mobility” from 2nd–6th February 2026 (Hybrid mode), organized by Department of Electrical Engineering, NIT Delhi.





EXPERT TALK

- **Dr. Basant Kumar Sethi** delivered Expert talk on, “Resilient Power System State Estimation,” National Workshop on " Microgrids and Green Hydrogen: Emerging Solutions for Smart and Sustainable Energy Systems ", scheduled from 16th – 20th March 2026, IIIT Bhubaneswar.
- **Dr. Basant Kumar Sethi** delivered Expert talk on “Smart home energy management under false data injection attack,” of the Short-Term Course “Recent Trends in Power Electronics and Sustainable Energy Systems (RTPESSES-2025)”, held from 15th–19th December 2025, NIT Jalandhar.
- **Dr. Basant Kumar Sethi** delivered Expert lecture on “Resilient energy management system for smart residential buildings” during the FDP on “Next Generation Wireless Communication and Energy Harvesting Technologies” jointly organized by Electronics & ICT Academy, NIT Patna and CUTM, Odisha under the “Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase-II)” by the MeitY, Government of India from August 18 to August 29, 2025.





RESEARCH GRANTS



SANCTIONED PROJECT

- **Project Title:** Research in indigenous development of EV sbu-systems (E-RIDES)
- **Funded:** ANRF (Mission for advancement in high-impact areas (MAHA): EV-Mission), India
- **Lead Institute:** IIT Bombay
- **Participation Institutes:** SVNIT Surat, IIT Delhi, IIT Kanpur, IIT Bhubaneswar and IIT Gandhinagar
- **Budget Sanctioned to SVNIT:** Rs. 120 Lakhs
- **PI (s):** Dr. Suresh Lakhimsetty, Dr. Mahesh Aeidapu & Dr. Mahmadasraf A. Mulla





RESEARCH GRANTS



SANCTIONED PROJECT

- **Project Title:** Development of an Indigenous Web-Based Tool for Optimal Sizing and Integration of Hybrid Renewable Energy Systems.
- **Funded:** I-DAPT HUB FOUNDATION | IIT (BHU)
- **Budget Sanctioned to SVNIT:** Rs. 20 Lakhs
- **PI (s):** Dr. Mahesh Aeidapu



IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (IEEE-SPERT) 2025 22 Dec - 24 Dec, 2025

IEEE Gujarat
Section



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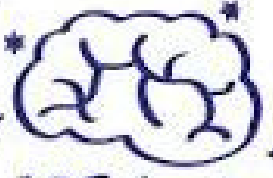


WORKSHOP

SUCCESS



PROGRESS



IDEA

- IEEE PELS Mentorship Roundtable Event
- A signature foundational networking session bridging pioneer mentors with incoming research scholars on 24 December, 2025.

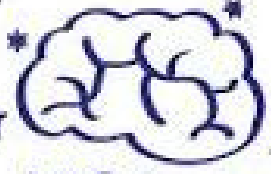


WORKSHOP

SUCCESS



PROGRESS



IDEA

- **In-Person Workshop on “Battery Energy Storage Systems: A Laboratory Perspective” (BESS-2026), organised by the Department of Electrical Engineering, SVNIT-Surat, in association with ANRF and the IAS/IES/PELS joint chapter of the IEEE Gujarat Section, during March 11-15, 2026.**
- **Coordinators:** Prof. Mahmadasraf A. Mulla, Prof. A.K.Panchal, Dr. Sanjay Tolani, Dr. Mahesh Aeidapu



WORKSHOP

SUCCESS



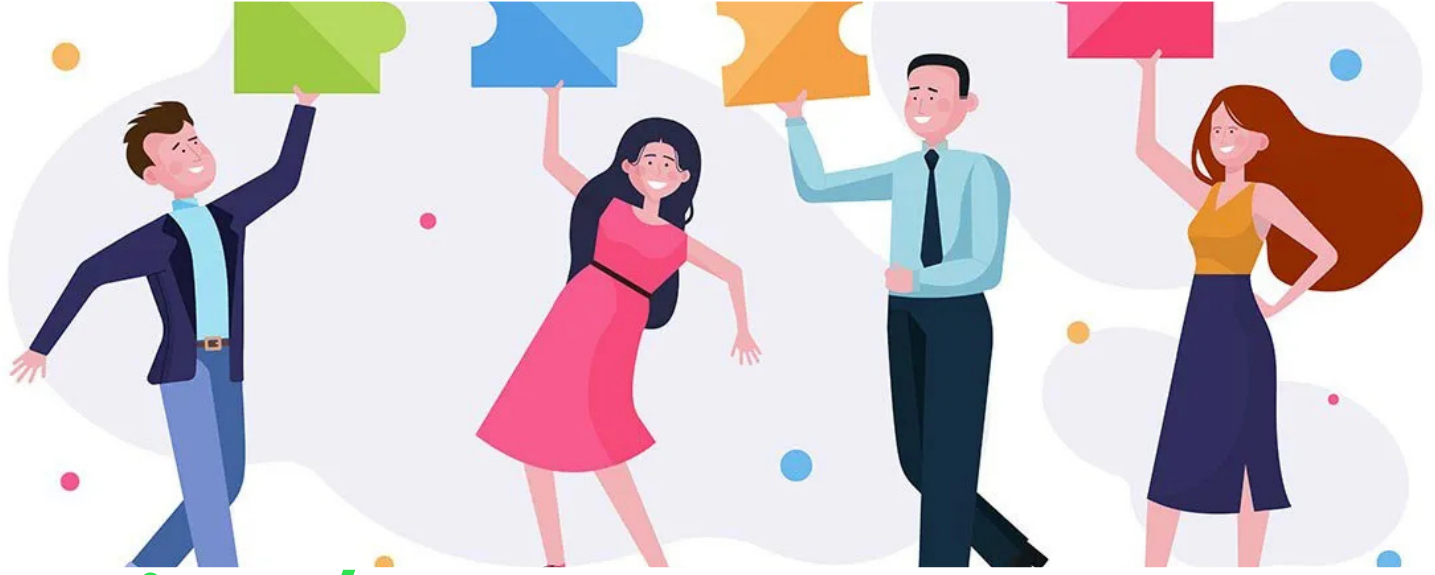
PROGRESS



IDEA

- In-person “E-Mobility Industry - Academia Conclave,” organised by EEE IES and SVNIT, Surat, on 02-May-2026. Received \$500 from the IEEE Industrial Electronics Society for the event.





Institute/Department level Faculty new Roles/Responsibilities



Prof. S.R.Arya

- Appointed as the Head of the Department (HOD) of Electrical Engineering at SVNIT Surat. Tenure: January 2026 to till date.



Prof. A.K.Panchal

- Appointed as the Head of the Department (HOD) of Department of Management Studies at SVNIT.



Prof. V.A.Shah

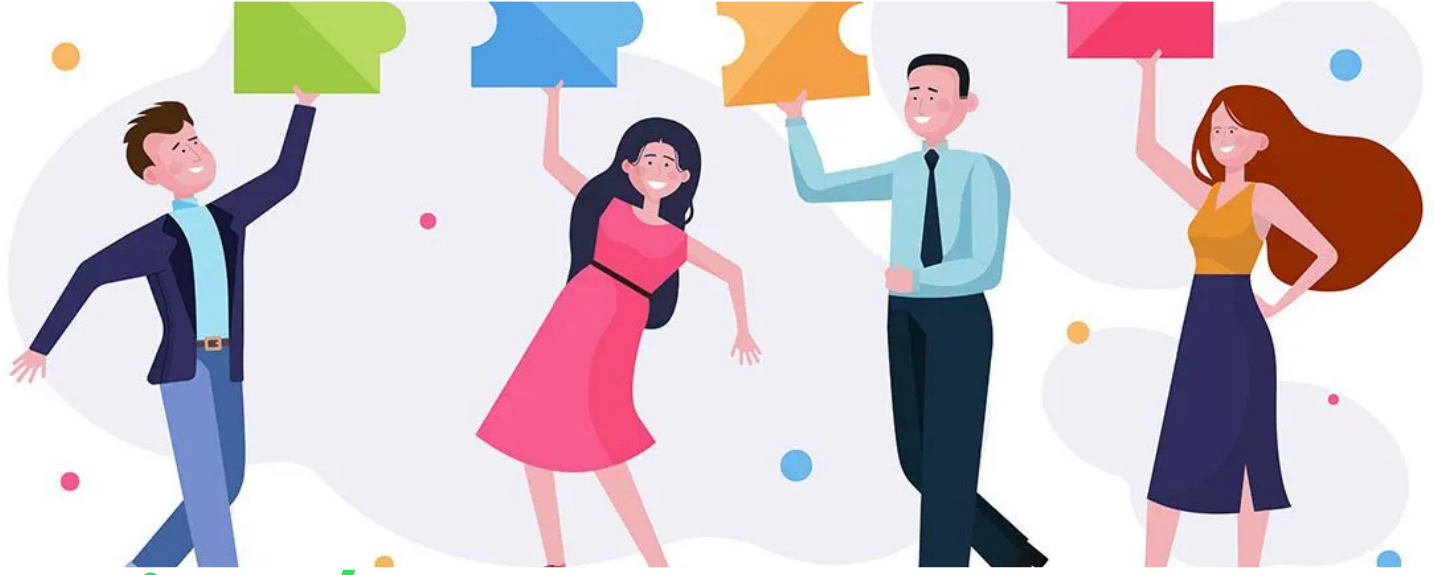
- Appointed as ICC chairman.



Prof. H.R.Jariwala

- Appointed as Dean of Faculty Welfare





Institute/Department level Faculty new Roles/Responsibilities



Prof. Pranav B. Darji

- Appointed as Associate Dean of Planning and Development



Prof. Mahmadasraf A. Mulla

- Institute of Mechanical Maintenance Committee (IMMC) Chairman from 24th March 2026.
- Chairman, Electrical Engineering Society
- served as Chair - IEEE Gujarat Section Joint Chapter, IE13/IA34/PEL35 (CH10148) for 2024, 2025, and 2026.



Prof. Rakesh Maurya

- UG, PG, PhD and other entrance Examination committee Chairperson from March 10th 2026.



Dr. P.Kundu

- Newsletter/ Magazine and Website committee Chairperson from March 10th 2026





Institute/Department level Faculty new Roles/Responsibilities



Dr. V. Mahajan

- Newsletter/ Magazine and Website committee Co-Chairperson from March 10th 2026



Dr. H.G. Patel

- Appointed as Associate Dean Academic



Dr. K.D. Mistry

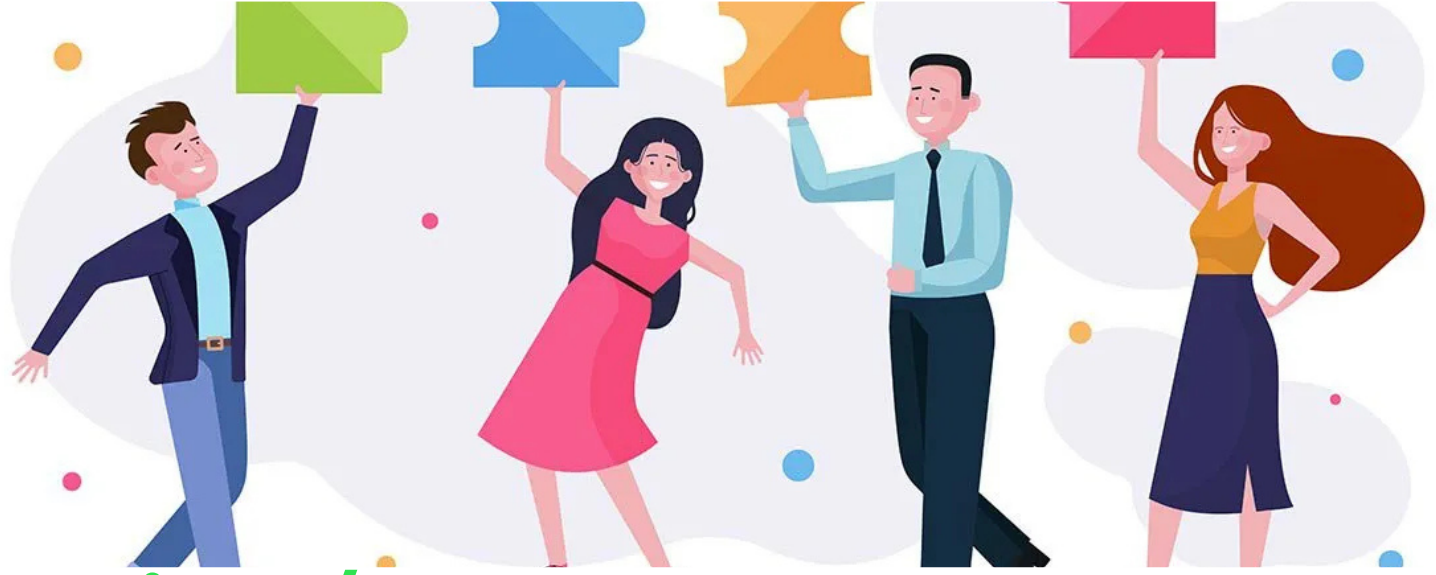
- UG, PG, PhD and other entrance Examination committee Co-Chairperson Entrance Examinations from March 10th 2026.



Dr. Rajasekharareddy Chilipi

- Teaching Load Distribution and Semester Time Table committee Chairman from March 10th 2026.





Institute/Department level Faculty new Roles/Responsibilities



Dr. Sanjay Tolani

- Teaching Load Distribution and Semester Time Table committee Co-Chairman, UG from March 10th 2026.
- Warden of Sarabhai Bhavan.



Dr. C.P.Gor

- Newsletter/ Magazine and Website committee member from March 10th 2026.



Dr. Mahesh Aeidapu

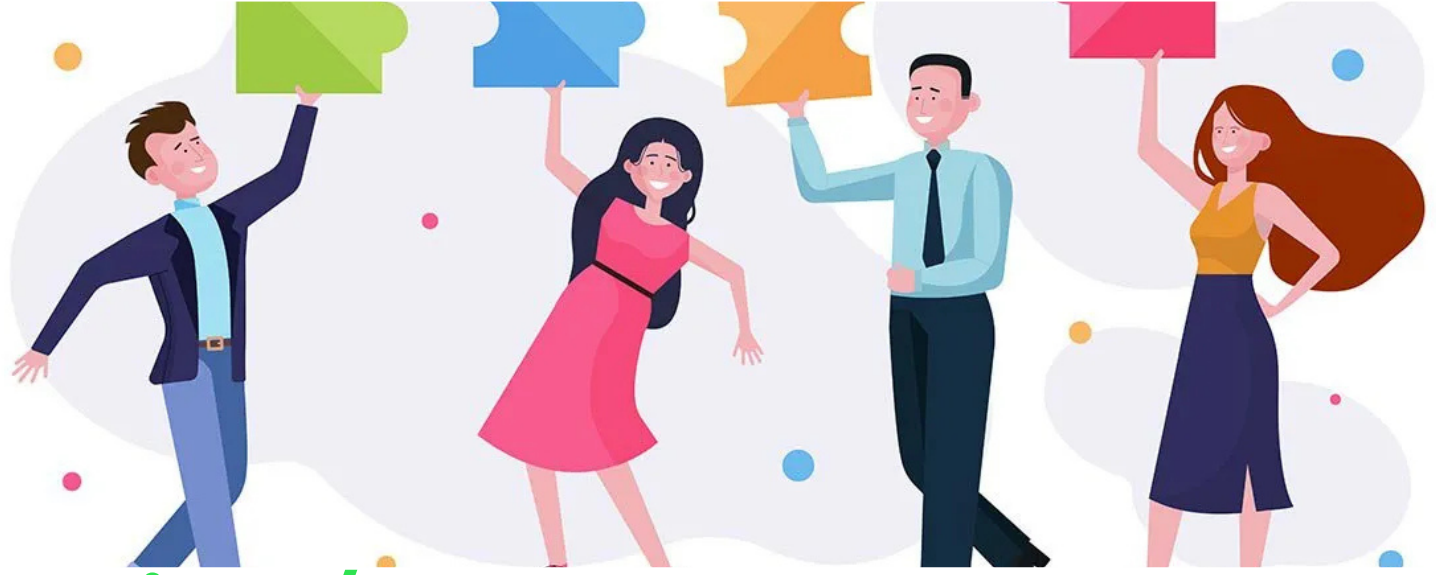
- Institute of Mechanical Maintenance committee (IMMC) Member from 24th March 2026.



Dr. J. Venkataramanaiah

- Maintenance (E&M) and Cleanliness improvement committee Chairman from 20th February 2026.





Institute/Department level Faculty new Roles/Responsibilities



Dr. Suresh Lakhimsetty

- Appointed as Faculty Incharge of Electrical and Communication System (10/02/2026 to Till date)
- Newsletter/ Magazine and Website committee member from March 10th 2026



Dr. Gangireddy Sushnigdha

- Exam cell Chairperson from August 1st 2025
- Faculty Advisor of B. Tech IV year from August 1st 2025.
- PG In-charge of Control and Automation from August 1st 2025
- Took the charge of Additional FIC Electrical and Communication Systems on Feb 9th 2026.
- Took the charge of Warden Mother Teresa Bhavan (Girl's Hostel at SVNIT) on 13th March 2026.



Dr. Akanksha Shukla

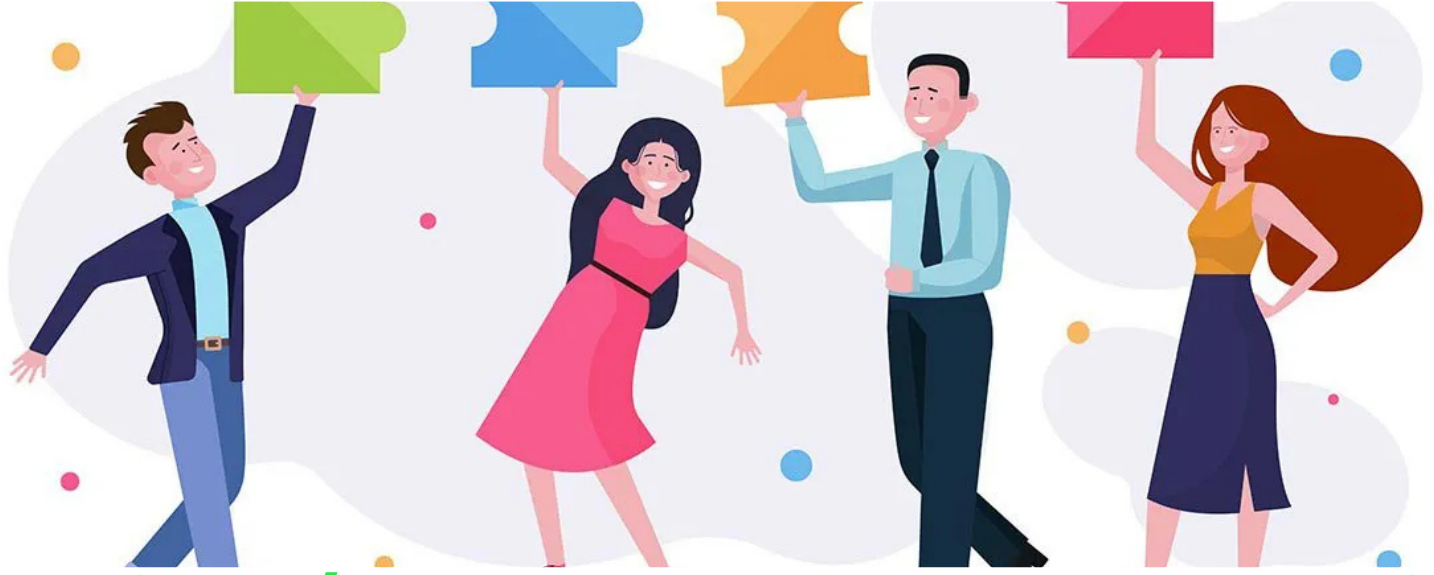
- UG, PG, PhD and other entrance Examination committee Co-Chairperson, PG & PhD from March 10th 2026.



Dr. Basant Kumar Sethi

- Teaching Load Distribution and Semester Time Table committee Co-Chairman, PG & PhD from March 10th 2026.
- Warden of Gajjar Bhavan.
- Faculty Advisor of B. Tech II year.





Institute/Department level Non-Teaching staff new Roles/Responsibilities



Shri Rakesh Navnitlal Chauhan

- Maintenance (E&M) and Cleanliness improvement committee member from 20th February 2026.



Shri Vinod B. Rathod

- UG, PG, PhD and other entrance Examination committee member from March 10th 2026.



Ms. Desai Hena Nalinkumar

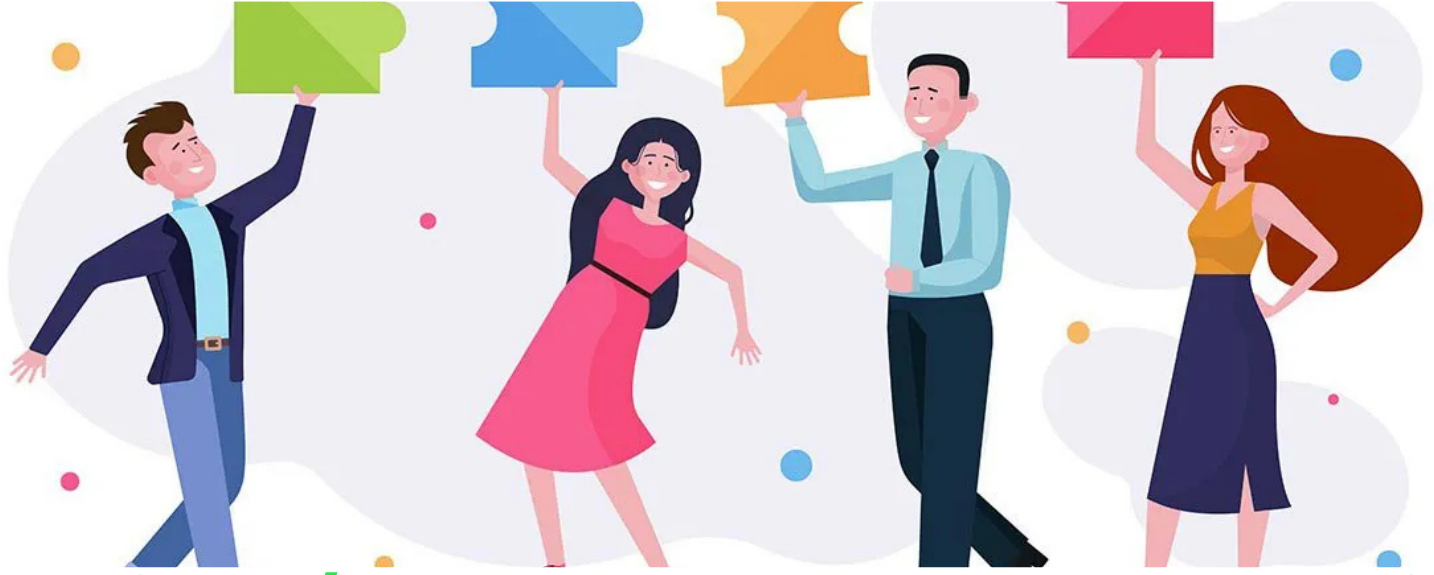
- UG, PG, PhD and other entrance Examination committee member from March 10th 2026.



Shri Anil Kumar

- Institute of Mechanical Maintenance committee (IMMC) Member from 24th March 2026.
- UG, PG, PhD and other entrance Examination committee member from March 10th 2026.
- Maintenance (E&M) and Cleanliness improvement committee member from 20th February 2026.





Institute/Department level Non-Teaching staff new Roles/Responsibilities



Shri Gaurav J Mahida

- Testing Lab (Electrical) committee member from January 2025.



Shri Lokesh Krishna Sharma

- Teaching Load Distribution and Semester Time Table committee member from March 10th 2026.
- Library (Electrical) committee member from February 2026.



Shri Bhagat Mayank Ashokkumar

- Newsletter/ Magazine and Website committee member from March 10th 2026.



Shri Satyam Kumar

- Teaching Load Distribution and Semester Time Table committee member from March 10th 2026.





FACULTY ACHIEVEMENTS

- **Dr. Mahmadasraf A. Mulla** is member of IEEE PELS Day Celebration Global Committee 2025, 2026.
- **Dr. Mahmadasraf A. Mulla** Won the 2025 PELS Best Small Chapter Award (\$1000) for the Gujarat Section Joint Chapter (IE13/IA34/PEL35).
- **Dr. Gangireddy Sushnigdha** has been elevated to the grade of IEEE Senior member on July 11, 2025.
- **Dr. Gangireddy Sushnigdha** Completed consultancy work on Electrical testing certificate for Automatic Roti Making Machine amounting to 20,000/- on 16th January 2026 along with Dr. RRC and Dr. SRA.
- **Dr. Suresh Lakhimsetty** appointed as Academic Editor - IET Circuits, Devices & Systems.
- **Dr. Suresh Lakhimsetty** elevated as IETE Fellow.





STUDENT PLACEMENT

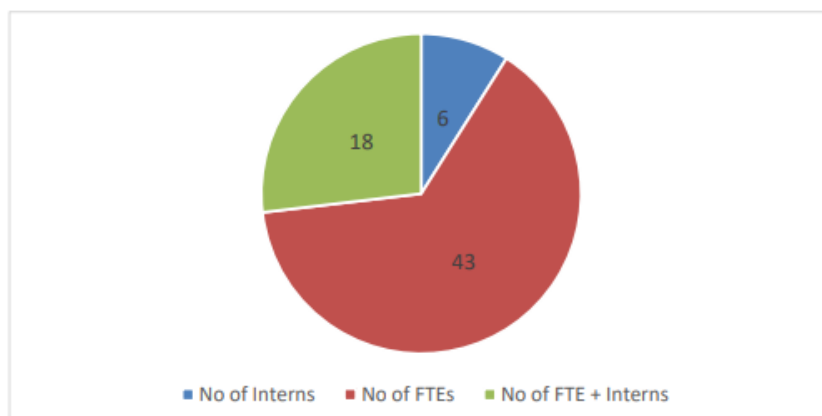
Companies Offering BOTH Internship & Full-Time Placement

Company	CTC (₹)	No. Of Students
Texas Instruments	₹3,600,000	1
Reliance	₹2,200,000	2
ZS Associates	₹1,420,000	1
Atlas Copco	₹1,400,000	1
Hindustan Unilever	₹1,300,000	1
GE Healthcare	₹1,253,000	1
Schneider Electric	₹1,200,000	3
AMNS	₹1,026,000	10
Jindal Stainless	₹800,000	2
Siemens	₹725,000	4
Viviana Power Tech Limited	₹600,000	3

Companies Offering INTERNSHIP Only

Company	No. of Students
BIS	1
Denso	1
Futures First	1
GE Vernova	1
JCB	1
Juniper Green	3
Machno Tech	1
Sunpharma	3

No of Interns	6
No of FTEs	43
No of FTE + Interns	18
Total	61





STUDENT PLACEMENT

Companies Offering PLACEMENT (FTE) Only

Company	CTC (₹)	No. of students
Blackrock	₹2,200,000	1
BPCL	₹2,080,000	10
ICICI	₹1,493,000	3
Indusland Bank	₹1,400,000	1
Marico	₹1,200,000	1
Accenture	₹1,075,000	3
Tiger Analytics	₹1,000,000	1
Cemindia	₹975,000	2
Cairn Oil and Gas	₹950,000	1
Reliance Consumer Products Limited	₹900,000	1
Deloitte	₹810,000	4
Swan Defence	₹800,000	1
Nuvoco Vistas	₹720,000	1
L&T	₹655,000	1
Technip	₹610,000	1
KEC	₹600,000	6
Enertech Group	₹600,000	2
Aarti Industries	₹550,000	2
Torrent Power	₹480,000	1

Percentage	58.65
Average CTC	11.3
Median CTC	8.5
Highest CTC	36
No. of Offers in Core	47
No. of Offers in Non-Core	16





STUDENT ACHIEVEMENTS



Presenting to Industry Titans

The final evaluation was a masterclass in professional excellence. Team GridGurus pitched their solution directly to a distinguished jury panel comprising global industry leaders:

Warren Harris (CEO & MD, Tata Technologies)

Sisira Dash (CTO, Air India)

Lalitha Indrakanti (CEO, JLR-TBSI)

Marc Wille (CEO, ES Tec-Gruppe)

S Sukanya (COO, Tata Technologies)

👉 A Sincere Note of Gratitude

This achievement was made possible through an incredible support ecosystem. The team extends its deepest gratitude to:

Anandita Chowdhury Ma'am – For invaluable faculty guidance and unwavering belief that elevated our work.

Electrical Engineering Society (EES), SVNIT – For backing the team throughout the competition lifecycle.

Tata Technologies & AWS – For providing a world-class platform, mentorship, and cloud infrastructure support.

Congratulations to Team GridGurus: Ayushmaan Singh, Vedika Tomar, Rohan Jha, Nishit Parmar, and Rakshita Aarya

TEAM



DR. P.KUNDU
ASSOCIATE PROFESSOR
DOEE, SVNIT SURAT



DR. V.MAHAJAN
ASSOCIATE PROFESSOR
DOEE, SVNIT SURAT



DR. C.P.GOR
ASSISTANT PROFESSOR
DOEE, SVNIT SURAT



DR. SURESH LAKHIMSETTY
ASSISTANT PROFESSOR
DOEE, SVNIT SURAT



MAYANK BHAGAT
SENIOR TECHNICIAN
DOEE, SVNIT SURAT



YASH BAROT
U25EE008
2ND YEAR B,TECH



MUKUNDAN M
U25EE014
2ND YEAR B,TECH



JAYDEEP DHRANGU
U25EE051
2ND YEAR B,TECH