



VIT[®]

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

School of Electrical Engineering (SELECT)



VISION

To offer an education in electrical engineering that provides strong fundamental knowledge, skills for employability, cross-disciplinary research and creates leaders who provide technological solutions to societal and industry problems.

MISSION

- Provide personalized experiential learning in industry sponsored labs to prepare students in electrical engineering with strong critical thinking and employability skills.
- Foster design thinking, creativity and cross-disciplinary research with highly qualified faculty to create innovators and entrepreneurs in the broad area of electrical engineering.
- Collaborate with national and international partners to provide innovative solutions to societal and industry challenges.

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MILESTONE'S REACHED BY SCHOOL



**(151-200) QS World and (7-10) India University Ranking by
Subject
Electrical and Electronics Engineering**



**NATIONAL BOARD
OF ACCREDITATION**

**NBA Accredited 6 years for
Electrical and Electronics Engineering
&
Electronics and Instrumentation Engineering**

DEAN'S MESSAGE



Dr. Kowsalya M

Professor and Dean/ SELECT

Since its inception in 2009, the School of Electrical Engineering has carved a path of distinction and innovation. From humble beginnings, we have grown into a nationally and globally recognized institution with our Electrical and Electronics Engineering (EEE) program now ranked among the top 10 in India by QS, and globally placed in the 151–200 band in 2025, marking a leap of over 50 positions in recent years.

Our journey is anchored in academic rigor, industry relevance, and an unrelenting pursuit of excellence. Both our flagship programs EEE and Electronics and Instrumentation Engineering (EIE), have been awarded the prestigious NBA accreditation for six years (2025–2031), a testament to the quality, impact, and vision embedded in our curriculum and pedagogy.

Our infrastructure reflects our ambition: 15 academic laboratories, 4 industry-sponsored labs, and 5 advanced research labs form the backbone of our hands-on, future-ready education. The Adaptive Curriculum for Excellence (ACE) is constantly refreshed with valuable insights from leading academic and industry partners to ensure our students are always ahead of the curve.

We believe in nurturing more than just engineers we shape innovators and leaders. Over 80% of our students take up multiple Value-Added Programs, acquiring next-generation skills that set them apart in the global job market. An industry-sponsored hackathon recently challenged our students to tackle real-world problems with creativity and technical prowess.

At the heart of our academic ecosystem lies a dedicated, dynamic faculty. In just six months from January to June 2025 our faculty members have published **107** journal papers, and **23** research scholars have successfully completed their oral examinations. Alongside this, we have conducted numerous Faculty Development Programs, hands-on workshops, and industrial connectivity to embrace emerging pedagogical trends in the teaching and learning process.

Our story is one of passion, progress, and purpose. We invite you to be a part of this journey to follow our achievements, engage with our community, and witness the legacy we are building. Stay connected with us through our official social media channels listed at the end of this message.

SCAN HERE
For more Details about SELECT



STUDENT ACHIEVEMENTS



Abhinav Awasthi (21BEE0163) have attended the Startup Mahakumbh and have visited schools in Delhi as part of their startup activities between 1st April and 12th April 2025.

Vijay Kumar Meena(22BEE0348) Team Kshatriya, secured the 2nd Runner-up position in the Drag Race event in Mega ATV Championship 2025

Sri Ramakrishna Institute of Technology, Coimbatore, held on April 11th to 13th, 2025



TEAM KSHATRIYA

for their achievement at

MEGA ATV CHAMPIONSHIP 2025

SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY,
COIMBATORE



Shreya Nair(23BEI0007) VIT Model United Nations Society (VITMUNSOC) has brought great honor to our institution by winning the Best Delegation Award at SRMRMUN 2025, held at SRM Ramapuram, Chennai from April 4th to 6th, 2025.

ALUMNI ACHIEVEMENTS

VIT
Vellore Institute of Technology

CONGRATULATIONS

NIKHIL ANGURANA
(B.TECH., EEE 2017-2021)

For being awarded a 100% scholarship for the Full-Time MBA program at the **Olin Business School, Washington University, St. Louis**

a prestigious institution ranked among the Top 25 business schools in the United States.

1.2 CRORE SCHOLARSHIP

Nikhil Angurana (B.Tech, EEE, 2017–2021) secured 100% scholarship worth ₹1.2 crore to pursue his Full-Time MBA at the prestigious Olin Business School, Washington University in St. Louis

ALUMNI SOCIAL ACTIVITY



Around 15 alumni members from VIT Institutional chapter visited the blind school located in Old Katpadi. Kitchen appliances for 25+ residents were provided from the contribution collected from the working Alumni SELECT, VIT, Vellore.

ALUMNI SPOTLIGHT



VIT
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#Alumni Spotlight

Home Town
Vellore,
Tamil Nadu

Hidden Talent
Singing

Personal Hero
Mr. Palani
Kalyanasundaram

Favourite Book
Thirukural
by Thiruvalluvar

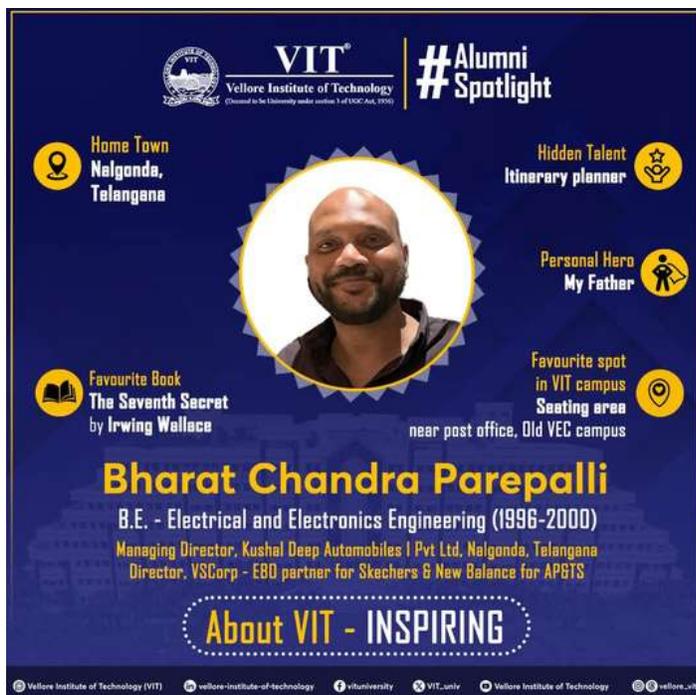
Favourite spot
in VIT campus
Water well,
Main Building

Srinivasan M
B.E. Electrical and Electronics Engineering (1996 - 2000)
Managing Director, M/s. Tripower Power Systems & Engineers, Bangalore

About VIT - EXCELLENCE

Vellore Institute of Technology (VIT) | vellore-institute-of-technology | vituniversity | VIT_univ | Vellore Institute of Technology | vellore.vit

Srinivasan M, an alumnus of B.E. Electrical and Electronics Engineering (1996–2000) from Vellore Institute of Technology (VIT), is currently the Managing Director of M/s. Tripower Power Systems & Engineers, Bangalore. Hailing from Vellore, Tamil Nadu, Mr. Srinivasan is a proud VITian whose journey is marked by dedication and passion.



VIT
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(Approved to be University under section 3 of UGC Act, 1956)

#Alumni Spotlight

Home Town
Nalgonda,
Telangana

Hidden Talent
Itinerary planner

Personal Hero
My Father

Favourite Book
The Seventh Sacret
by Irwing Wallace

Favourite spot
in VIT campus
Seating area
near post office, Old VEC campus

Bharat Chandra Parepalli
B.E. - Electrical and Electronics Engineering (1996-2000)
Managing Director, Kushal Deep Automobiles Pvt Ltd, Nalgonda, Telangana
Director, VSCorp - EBD partner for Skechers & New Balance for APGTS

About VIT - INSPIRING

Vellore Institute of Technology (VIT) | vellore-institute-of-technology | vituniversity | VIT_univ | Vellore Institute of Technology | vellore.vit

Bharat Chandra Parepalli, an alumnus of B.E. Electrical and Electronics Engineering (1996–2000) from Vellore Institute of Technology (VIT), is currently the Managing Director of Kushal Deep Automobiles Pvt. Ltd., Nalgonda, Telangana. Hailing from Nalgonda, Telangana, Mr. Bharat Chandra Parepalli is a proud VITian whose journey is marked by dedication and passion.

HIGH IMPACT FACTOR PUBLICATIONS –APRIL 2025

Rathod A.A.; Sharma P.; Choudhary A.; Raju S.; Subramanian B., An efficient framework for proton exchange membrane fuel cell parameter estimation using numerous MH algorithms, Renewable and Sustainable Energy Reviews,, I.F. 16.3

- *Jose A.; Shrivastava S., The advancements and research trends in state of charge estimation for lithium-ion batteries over the last two decades: A visualization analysis based on bibliometric data, Journal of Energy Storage, I.F. 8.9*
- *Mushtaq M.; P. U.S., Simulation and optimization of hematite based photoelectrochemical cells for enhanced solar-to-hydrogen conversion efficiency, Journal of Power Sources, I.F. 8.1*
- *Noel M.M.; L. A.; Trivedi A.; Dutta P., Oscillating activation functions can improve the performance of convolutional neural networks, Applied Soft Computing, I.F. 7.2*
- *Danquah J.O.; Mandava S., Machine learning-based current transformer saturation detection for medium voltage in power grids system, Measurement: Journal of the International Measurement Confederation, I.F. 5.2*
- *Sabapathy S.P.; Ammasi A.M.; Khalife E.; Babu M.; Munusamy S.; Sabapathy P.; Gharehghani A.; Szymanek M.; Kaveh M., Optimization of Injection Timing and Ethyl Hexyl Nitrate Additive Effects on Diesel Engine Characteristics Using Rubber Seed Oil Biodiesel, International Journal of Energy Research, I.F. 4.3*
- *Shukla S.; Rajkumar S.; Sinha A.; Esha M.; Elango K.; Sampath V., Federated learning with differential privacy for breast cancer diagnosis enabling secure data sharing and model integrity, Scientific Reports, I.F. 3.8*
- *Jaiswal V.; Narendiranath Babu T.; Murugan P.; Rama Prabha D., Fault analysis on deep groove ball bearing using ResNet50 and AlexNet50 algorithms, Scientific Reports, I.F. 3.8*
- *Kumar Ojha S.; Chinna Obaiah M., Optimization of a Novel FOPIDN-(1+PIDN) Controller for Renewable Integrated Multi Area Load Frequency Control System with Non-Linearities, IEEE Access, I.F. 3.4*
- *Hussen M.; Rajaram T., A Comprehensive Review of Voltage Source Converters-Based FACTS Controllers in Hybrid Microgrids, IEEE Access, I.F. 3.4*

Sharma P.; Raju S., Techno-economic analysis of Retired Electric Vehicle Batteries with Grid Connected Hybrid Energy System, Energy Conversion and Management, I.F. 9.9

- *Kumar T.S.; Indragandhi V.; Ashok B.; Rajagopal B.; Neeraj S.B., An emerging scenario for adopting electric vehicles in developing countries: A framework for the exploration of customer anticipation, Energy Reports, I.F. 4.7*
- *M.K.Nallakaruppan; Dhanaraj R.K.; Shukla S.; Subbaraj K.; Fuladi S.; Selvarajan S.; Alkhayyat A., Reliable Secured Consumer IIoT Framework with Multi Layer Attack Interpretation and Prevention, IEEE Transactions on Consumer Electronics, I.F. 4.3*
- *Kondru J.B.; Obulesu Y.P., Comprehensive performance analysis of an electric vehicle using multi-mode Indian drive cycles, Scientific Reports, I.F. 3.8*
- *Sudarshan B.S.; Arunkumar G.; Sridhar G.; Mittal K., Single-Input Multi-Isolated-Output SEPIC Ćuk Converter for E-Bike Charging: Modeling, Design, and Prototype Implementation, Energy Storage, I.F. 3.6*
- *Panda M.; Chankaya M.; Mohanty S.; Sandeep S.D., State-of-Charge-Based Energy Management Strategy for Hybrid Energy Storage System in DC Microgrid, IEEE Access, I.F. 3.4*
- *Sarathi J.; Rama Prabha D., An Effective ANFIS Approach for Interconnected DFIG-Based Wind Energy System With Model-In-Loop Validation, IEEE Access, I.F. 3.4*
- *Kumar K.M.S.; Das S., Enhanced Power Quality Control in Grid Tied PVG-UAPF Systems Using a Modified Second Order Generalized Integrator and Notch Filter, IEEE Access, I.F. 3.4*
- *Sakthivel K.; Albert Alexander S., An Extensive Analysis of Power Quality Improvement in a Three-Stage 15-Level Inverter Using Various ANN Algorithms, IEEE Access, I.F. 3.4*
- *Sathyaraj J.; Sankardoss V., Enhancing Short-Term Wind Speed Prediction Based on Deep Learning with Ensemble Learning Model for Small Wind Turbine Applications, IEEE Access, I.F. 3.4*
- *Mary Mekala A.; Varalakshmi M.; Achyutha Gowda C.P.; Kumar L.M.; Lyakso E.E.; Frolova O.; Nersisson R., Fused YOLO and Traditional Features for Emotion Recognition from Facial Images of Tamil and Russian Speaking Children: A Cross-Cultural Study, IEEE Access, I.F. 3.4*

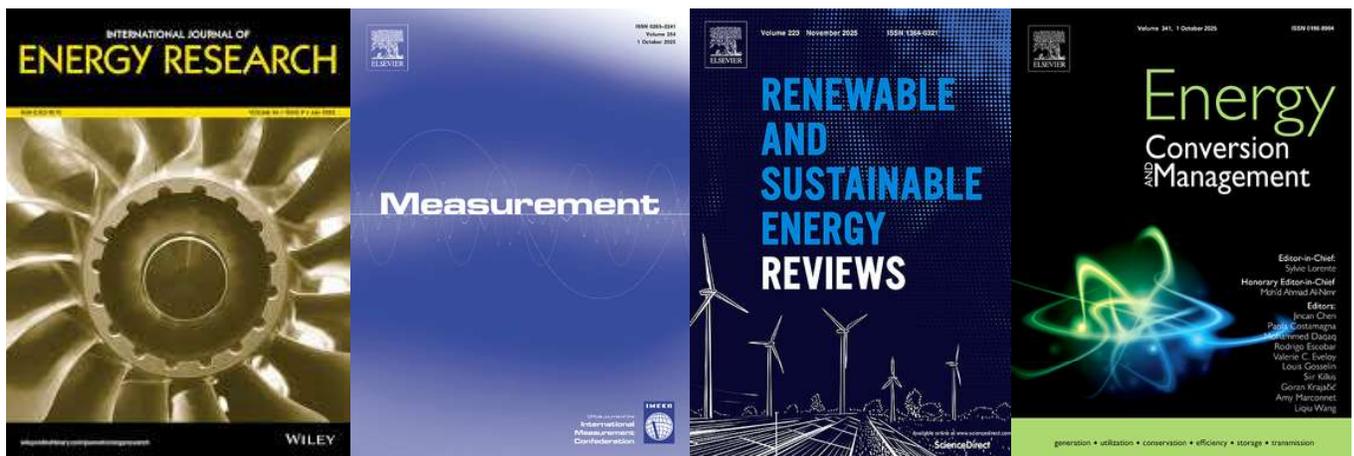
HIGH IMPACT FACTOR PUBLICATIONS – JUNE 2025

Abishek M.; Goyal J.K.; Amutha Prabha N.; Kouki M., Robust L2 based PI controller design for voltage regulation of auxiliary power units in electric vehicles through polytopic modelling, Energy, I.F. 9

- *Kumar S A.; Narasimman K., Utilization of algal biomass-derived carbon in the alkaline water electrolysis for hydrogen production, Renewable Energy, I.F. 9*
- *Nippatla V.R.; Mandava S., Performance analysis of permanent magnet synchronous motor based on transfer function model using PID controller tuned by Ziegler-Nichols method, Results in Engineering, I.F. 6*
- *Mohanty S.B.; Mohanty S.; Panda M.; Dash S.K., A novel reduced-switch multilevel inverter topology for DC microgrid interfacing with V2G/G2V functionality and advanced FO PID energy management, Results in Engineering, I.F. 6*
- *Sandeep S.D.; Mohanty S.; Mohanty S.B.; Puhan P.S., A comprehensive review on DC microgrid control and energy management strategies, Results in Engineering, I.F. 6*
- *Yadav V.V.; Balasubramaniyan S., Synchronization stability and control strategies for PMSG-based wind energy systems under grid fault conditions, Energy Reports, I.F. 4.7*
- *Priya P.; Stonier A.A., Emerging innovations in solar photovoltaic (PV) technologies: The perovskite solar cells and more, Energy Reports, I.F. 4.7*
- *Reddy D.V.S.; Golla M.; Thangavel S., A New Soft-Switching High Gain DC-DC Converter With Reduced Components Realized by Active Clamp and Coupled Inductors, IEEE Transactions on Consumer Electronics, I.F. 4.3*
- *Manikandan R.; Singh R.R., Non-invasive Condition Monitoring (Pre fault) of IGBT Power Modules in 3-Level NPC for EV Applications, IEEE Transactions on Industry Applications, I.F. 4.2*
- *Sivaperumal N.; Jothimani G.; Stonier A.A.; Peter G.; Arun V.; Ganji V., Enhanced one stage interleaved PFC Cuk configuration-based EV charger with reduced components, Computers and Electrical Engineering, I.F. 4*
- *Sesidhar D.V.S.R.; Badachi C.; Nagawaram C.; Kondoju P.C.; Dhanamjayulu C.; Kamwa I., State of Charge Estimation for Li-Ion Batteries: An Edge-Based Data-Driven Approach, IEEE Access, I.F. 3.4*

UG STUDENTS PUBLICATIONS

- *Rathod A.A.; Sharma P.; Choudhary A.; Raju S.; Subramanian B., An efficient framework for proton exchange membrane fuel cell parameter estimation using numerous MH algorithms, Renewable and Sustainable Energy Reviews, I.F. 16.3*
- *Sabapathy S.P.; Ammasi A.M.; Khalife E.; Babu M.; Munusamy S.; Sabapathy P.; Gharehghani A.; Szymanek M.; Kaveh M., Optimization of Injection Timing and Ethyl Hexyl Nitrate Additive Effects on Diesel Engine Characteristics Using Rubber Seed Oil Biodiesel, International Journal of Energy Research, I.F. 4.3*
- *Shukla S.; Rajkumar S.; Sinha A.; Esha M.; Elango K.; Sampath V., Federated learning with differential privacy for breast cancer diagnosis enabling secure data sharing and model integrity, Scientific Reports, I.F. 3.8*
- *Danquah J.O.; Mandava S., Machine learning-based current transformer saturation detection for medium voltage in power grids system, Measurement: Journal of the International Measurement Confederation, I.F. 5.2*



PATENTS PUBLISHED APRIL-JUNE



Dr.Chitra A



Dr. Indragandhi V



Dr. RaziaSultana W.

Title

Dual-Source High-Current DC-DC Converter Configuration for Marine Applications

Granted Date : 15-Apr-25

Application number : 202541036571

Faculty coordinators : Dr.Chitra A,Daki Krishnachaitanya, Dr. Indragandhi V, Dr. RaziaSultana W.

Title

Industrial Ethernet Controller Interface

Granted Date : 13-Jun-25

Application number : 202541052364

*Faculty coordinators : Dr.V.Bagyaveereswaran, Ankur
S. Naidu*



Dr.V.Bagyaveereswaran

Title

*A System for Poultry Health Monitoring Using
Artificial Intelligence in Real-Time*

Granted Date : 13-Jun-25

Application number : 202541054184

Faculty coordinators : Dr. Chitra A,Akhil Reddy K



Dr. Chitra A

PATENTS PUBLISHED APRIL-JUNE



Dr.Ponnambalam P



Dr. Albert Alexander S

Title

System and Method for Controlling One or More Motors

Granted Date : 13-Jun-25

Application number : 202541054186

Faculty coordinators : Dr.P.Ponnambalam, Dr. Albert Alexander S

PATENTS GRANTED APRIL-JUNE



Dr. Jacob Raglend I



Dr. Belwin EdwardJ



Dr. Palanisamy K



Dr. Raja Singh R

Title

A Wind Flow Functioned Piezoelectric Energy Harvesting System for Multiple Wind Speed Conditions

Granted Date : 3-Jun-25

Application number : 567122

Faculty coordinators : Sitharthan R, Jacob Raglend I, Belwin EdwardJ, Palanisamy K, Raja Singh R, Madurakavi Karthikeyan, P. Manimaran.

CONSULTANCY PROJECTS



Dr. Rajasekar N



Dr. Sathish Kumar K



Dr. Yeddula Pedda Obulesu

Title

Exploratory research on Switchgear Cabinet design for thermal loss reduction

Cost

20,00,000/-

Principle Investigator (PI)

Dr. Rajasekar N (SELECT)

Co-Principle Investigator (Co-PI)

Dr. Sathish Kumar K (SELECT)

Dr. Yeddula Pedda Obulesu (SELECT)

Funding Agency

Schneider Electric Pvt. Ltd., Bengaluru



Dr. M Monica Subashini

Title

Lattice strain and defects analysis of epitaxial thin films and single crystals by High-resolution X-ray diffraction (HRXRD)

Cost

Rs. 1.11 Crores

Principle Investigator (PI)

Dr. C George Priya Doss, SBST

Co-Principle Investigator (Co-PI)

Dr. M Monica Subashini, SELECT

Dr. K. Sasikumar, SENSE

Funding Agency

Indian Council of Medical Research (ICMR)

FACULTY ACHIEVEMENTS



Dr. Uma Sathyakam, SELECT has received the Springer Nature Editorial Contribution Award 2025 for his exceptional editorial work in the journal Nanotechnology for Environmental Engineering.



Dr. Albert Alexander has been selected as a recipient of the prestigious IEEE Region 10 Professional Certification Grant 2025. This honor is awarded to professionals across the Asia-Pacific region in recognition of their dedication to upskilling and advancing in their technical careers.

FACULTY ACHIEVEMENTS



Dr. V. Indragandhi



Dr. Thirumalaivasan R



Dr. M. Janaki



Dr. G.K. Rajini

Dr. V. Indragandhi, Dr. Thirumalaivasan R, Dr. M. Janaki and Dr. GK Rajini has been selected by the Australian Government's Department of Foreign Affairs and Trade (DFAT) to receive funding under the Australia Awards Fellowships program for our proposed research visit to Flinders University, Australia. This fellowship, under the theme 'Clean energy transitions to combat climate change around the world', aims to strengthen the partnership between Flinders University and VIT, Vellore, fostering global collaboration and leadership in clean energy research.

INDUSTRIAL ENGAGEMENT

As part of industry-academia collaboration and Consultancy faculty members Dr. P. Mahalakshmi from the School of Electrical Engineering Underwent Industrial training in ebm-papst India Private Limited, Chennai during 18.06.2025- 30.06.2025.



INDUSTRIAL ENGAGEMENT

As part of continuous professional development and industry-academia collaboration, faculty members from the School of Electrical Engineering visited L&T's Digital Energy Solutions–Power Transmission & Distribution Division at the Ufspl Office, EDRC Building, Manapakkam, Chennai on 20th June 2025. A special appreciation goes to Brisilla Mam for her commendable initiative in arranging and organizing this industrial training program.



As part of industry-academia collaboration and Consultancy faculty members Dr. Vinodh Kumar E & Dr. Jaganatha Pandian from the School of Electrical Engineering visited Ortholite India Pvt Ltd, Chennai- Bangalore National Highway, Ambur on 30th April 2025.



INDUSTRIAL ENGAGEMENT

As part of continuous professional development and industry-academia and project collaboration, research, Signing MoU, faculty member Dr.Rashmi Ranjan Das from the School of Electrical Engineering visited Zuppa Geo Navigation Technology, Chennai on 19th June 2025.



To setup a center of excellence drone technology at VIT, Vellore, faculty members Dr.Rashmi Ranjan Das & Dr. Praveen Kumar M from the School of Electrical Engineering visited CIDS Agricultural University College of Agriculture, UAS, Gandhi Krishi Vignana Kendra, Bellary Road, Bangalore on 26th June 2025.



INDUSTRIAL ENGAGEMENT

As part of continuous professional development and industry-academia and project collaboration, research, faculty member Vijayakumar D, Meikandasivam S, Rama Prabha D, Vanishree J, Arun S L, Sudhakar N, Arun N from the School of Electrical Engineering visited VIT Main Substation (near Mahatma Gandhi Block) on 18th June 2025. Mr. Palanisamy explained the complete operation of our Power house and various strategies which are planned to enhance our Electricity bill and energy management.



As part of industry-academia collaboration and Consultancy faculty members Dr. Ravi K, Dr. Sathish Kumar from the School of Electrical Engineering visited EV Nexus, located in Anna Nagar East, Chennai on 18th June 2025.



INDUSTRIAL ENGAGEMENT

As part of industry-academia collaboration and Consultancy faculty members Dr. Vijaya Priya, Dr. Mageshvaran R, Dr. Srihari Mandava, Dr. Vanishree J, Dr. Thamilmaran A from the School of Electrical Engineering visited RP Solar Private Limited, Sivalingapuram, Ashok Nagar, Chennai, Tamil Nadu on 18th June 2025.



INDUSTRY GUEST LECTURES ORGANISED

April 2025

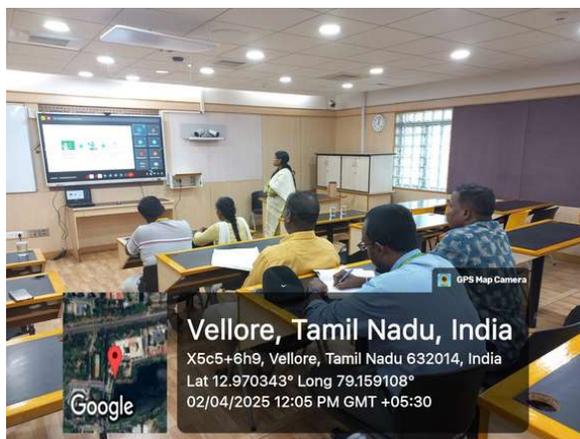
Bio Energy potential in India for the future

Date: 01-04-2025

Resource Person : Prof Sakthivadivel

*Organization: Department of Thermal and Energy Engineering, School of
Mechanical Engineering, VIT, Vellore*

Coordinators: Palanisamy K



*Reinforcement Learning : An Industry
Perspective*

Date: 02-04-2025

*Resource Person : Dr. Sarin
CR(16PHD0243)*

*Organization: Quantiphi Analytics
Solution, Mumbai*

*Coordinators: Geetha M, Monica
Subashini M*

INDUSTRY GUEST LECTURES ORGANISED

April 2025

Ensuring Electrical Safety in Substations :

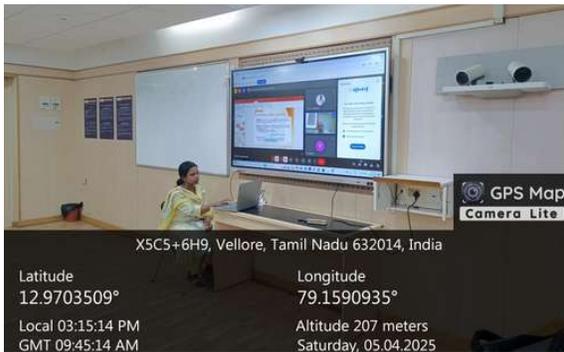
Best Practices and Risk Mitigation

Date: 04-04-2025

Resource Person : Mr. Arun

*Organization: 110kv T.Nallur SS, TNEB,
Puthukottai*

*Coordinators: Brisilla R M, Vanishree J,
Sankardoss V*



*Operational Monitoring and Control in
Power Plants*

Date: 05-04-2025

*Resource Person : Mr. T. KAMAL
KUMAR*

*Organization: Project Engineering &
Systems Division (PE&SD), BHEL,
Hyderabad*

*Coordinators: Medarametla
Praveenkumar, Venkata Lakshmi
Narayana K*

*Essential Parameters and Application
Strategies in Manufacturing Industries*

Date: 05-04-2025

*Resource Person : Dr. Vamsi Annepu
Organization: Gauges Bourdon (India)
Private Limited, Navi Mumbai*

*Coordinators: Venkata Lakshmi Narayana
K, Yuvapriya T*



*Android Operating System for Electrical
Vehicle*

Date: 05-04-2025

*Resource Person : Mr. Devesh Jagtap
Organization: Royal Enfield, Chennai,
Tamilnadu*

*Coordinators: Dr. P Ponnambalam, Dr.
Albert Alexander, Dr. Marimuthu R*



INDUSTRY GUEST LECTURES ORGANISED

April 2025

Advancing Energy Applications with Flexible Electrodes: A Photolithographic and Materials Engineering Approach

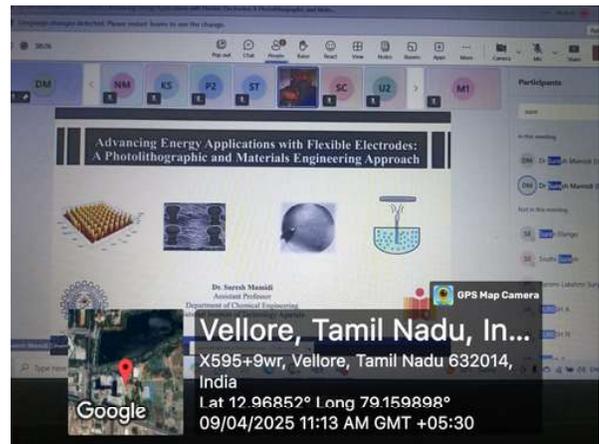
Date: 09-04-2025

Resource Person : Dr. Suresh Mamidi

Organization: NIT, Agartala

Coordinators: Mallikarjuna Golla,

Sarigamala Karthik Kiran



Torque Control in Electric Vehicles

Date: 10-04-2025

Resource Person : Mr. Vishal Gholap
Organization: MAN Truck & Bus Pvt. Ltd., Pune

Coordinators: Dr. V. Bagyaveereswaran, Dr. M. Manimozhi, Dr. B. Jaganatha Pandian



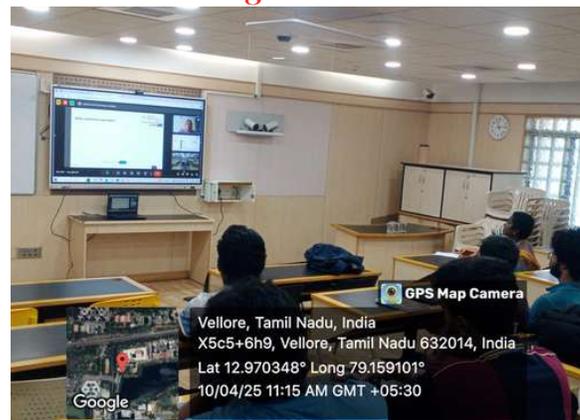
AC Machines And Its Applications

Date: 10-04-2025

Resource Person : Dr. Ashwini Kumari P

Organization: School of Electrical Engineering, Reva University, Bangalore

Coordinators: Sharmila A



Application of SCADA in substation

Date: 10-04-2025

Resource Person : K N Srinivasan
Organization: TANTRANSO Ltd., Chennai

Coordinators: Saravanan B, Vijayakumar D, Arun S L



INDUSTRY GUEST LECTURES ORGANISED

April 2025

Semiconductor devices and its applications

Date: 15-04-2025

Resource Person : Dr.B.Ashok Kumar

*Organization: Department of Electrical and
Electronics Engineering, Thiagarajar
College of Engineering, Madurai*

Coordinators: Sharmila A



FPGA and SoC-based System Design

Date: 15-04-2025

Resource Person : Dr. Adesh Kumar

*Organization: University of Petroleum
and Energy Studies, Utrakhand, India*

*Coordinators: Mukul Chankaya,
Mrutunjaya Panda*



Embedded AI – Edge Computing

Date: 16-04-2025

Resource Person : Dr. Debanand Singdeo

*Organization: MathWorks India Private
Limited, Bangalore*

*Coordinators: Jakeer Hussain, Marimuthu R,
Selvakumar K*



Communication in EV Bikes and IoT

Date: 17-04-2025

*Resource Person :Mr. Pulkit Kumar
Sharma(15BEE0087)*

*Organization: Hero Motors, New Delhi.
Coordinators: Balaji S, Jitendra Kumar
Goyal*



INDUSTRY GUEST LECTURES ORGANISED

April 2025



***PACS and Standards in Purchasing
Medical Equipment's***

Date: 17-04-2025

***Resource Person : Mr.N.S. Sunder
Ram***

***Organization: Dubai Health
Authority, Dubai***

Coordinators: Rajini G.K, Balaji S

***Site Reliability Engineering: Unlocking
New Careers for Electrical Engineers***

Date: 17-04-2025

Resource Person : Mr.Govindaraj K

***Organization: Tata Consultancy Services
Ltd., Chennai***

***Coordinators: Amutha Prabha N,
Santhakumar R***



May 2025

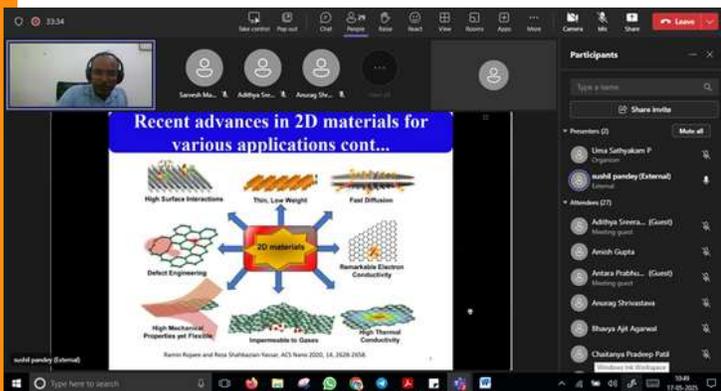
***Growth Optimization of Ultrathin
Semiconductors for Electronic Devices
Application***

Date: 17-05-2025

***Resource Person : Dr. Sushil Kumar
Pandey***

***Organization: Department of ECE,
NITK, Surathkal***

***Coordinators: Dr. P. Mahalakshmi, Dr.
P. Uma Sathyakam***



June 2025

Autonomous Vehicles based Sensors

Date: 20-06-2025

Resource Person : Dr. Pathipati Srihari

***Organization: National Institute of
Technology, Karnataka***

Coordinators: RajiniG.K



INDUSTRY/ACADEMIA COLLABORATION ACTIVITIES

On 30th April 2025, a delegation from Aarupadi Veedu Medical College and Hospital, Puducherry comprising the Vice Dean (Administration), Vice Dean (Academics), and the Director of the Center for AI in Medicine visited VIT, Vellore. Productive discussions were held with the Dean and Associate Dean of SELECT on potential collaborations in teaching, research, joint proposals, publications, and other academic initiatives.



Schneider electric Bangalore industry R& D team visited VIT University, Vellore on 04-06-2025 to enhance the Collaboration.



INDUSTRY/ACADEMIA COLLABORATION ACTIVITIES



INDUSTRY/ACADEMIA COLLABORATION ACTIVITIES

A five-member VIT team visited Aarupadai Veedu Medical College and Hospital, Puducherry touring key departments and interacting with faculty and student.



FACULTY DEVELOPMENT PROGRAMS



SELECT & TLCE Sponsored a Five days Faculty Development Program on “Sustainable Smart Cities: The Role of Smart Grids, EVs, and Green Hydrogen” from 05.05.2025 to 09.05.2025. The faculty Coordinators are Dr. Brisilla R M and Dr. Sankardoss V.

FACULTY FOREIGN VISITS

Dr. palanisamy, Faculty from School of Electrical Engineering visited Glasgow Caledonian University, Glasgow, United Kingdom from 01-06-2025 to 10-06-2025.



WORKSHOPS ORGANISED

A one-day National Workshop on "Power System Simulation Tools and Hands-on Training for Protection and Switchgear" was conducted on 26th June 2025. The workshop was coordinated by Dr. P. Vijayapriya, Dr. R. Mageshvaran, and Dr. J. Vanishree from the School of Electrical Engineering, VIT Vellore.



WORKSHOPS ORGANISED



A Hands-On Workshop on Radar and LiDAR Systems for Real World Sensing Applications was conducted on 19th & 20th June 2025. The workshop was coordinated by Dr. Rajini G.K, Dr. Vijaya Priya Ramachandran from the School of Electrical Engineering, VIT Vellore.

ACADEMIC GUEST LECTURES DELIVERED

Dr. Rajasekar N from SELECT delivered Guest lecture in T J S Engineering College, Chennai , Chennai , India on the topic “Towards Solar Self-Reliance: Navigating India's Renewable Energy Challenges” on 21-05-2025



Dr. Uma Sathyakam P from SELECT delivered Guest lecture in Academy of Prisons and Correctional Administration, Vellore, India on the topic “Electronic gadgets used in Prisons for Security and Compendium of Security Equipment used in Prisons ” on 25-06-2025



ACADEMIC GUEST LECTURES DELIVERED

Dr. ALBERT ALEXANDER S from SELECT delivered Guest lecture in Kongunadu College of Engineering and Technology, Trichy, India on the topic “Cyber Security in AI-Driven Power Converter Systems” on 27-06-2025



Dr. ALBERT ALEXANDER S from SELECT delivered Guest lecture in Jain College of Engineering, Belagavi, India on the topic “Session Chair: Power Electronics Track” on 23-06-2025

An event poster for IEEE PELS Day Celebrations 2025. The poster is for a webinar titled "Applications of Machine Learning in Power Electronics" on 23 June, 2025 at 7:00 PM (IST). The speaker is Dr. S. ALBERT ALEXANDER, Chairman of IEEE PELS, IEEE Madras Section, and Associate Professor at Vellore Institute of Technology. The poster includes logos for IEEE Madras Young Professionals, IEEE PELS Madras Chapter, and Panimalar Engineering College. It also features a QR code and a "REGISTER" button with the URL https://bit.ly/PFLACELER1. Social media icons for YouTube, Facebook, and LinkedIn are at the bottom.

Dr. ALBERT ALEXANDER S from SELECT delivered Guest lecture in Panimalar Engineering College, Chennai, India on the topic “Applications of Machine Learning in Power Electronics” on 23-06-2025

Dr. ALBERT ALEXANDER S from SELECT delivered Guest lecture in SRM Institute of Science and Technology, Chennai, India on the topic “AI in Renewable Energy” on 11-04-2025

FACULTY REJUVENATION TRIP

On 1st May 2025, faculty members embarked on a rejuvenation trip at Green Meadows Resort, Palavakkam, Chennai. This rejuvenation trip was a refreshing experience, offering both relaxation and a renewed sense of unity among the faculty team.



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Research scholar, SELECT

FORTH COMING EVENTS

25 - 26, September 2025
**5th International Conference on
Innovations in Power & Advanced Computing
Technologies**
Venue : University of Airlangga, East Java, Surabaya, Indonesia

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 40
YEARS OF TRANSFORMING LIVES



40th ANNUAL CONVOCATION
16th & 17th August 2025

உடையார்முன் இல்லார்போல் ஏக்கற்றுங் கற்றார்
கடையரே கல்லா தவர் - திருவள்ளுவர்

The learned learn to humble, like destitute before the rich; Only
the low never learn -Thiruvalluvar

