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 that provides strong fundamental knowledge, skills for employability and creates leaders who provide technological solutions to societal and industry problems.

Mission

- To prepare students with strong critical thinking and employability skills through personalized experiential learning.
- To create innovators and entrepreneurs by fostering design thinking, creativity and cross-disciplinary research.
- To generate new knowledge leading to the solution of societal and industry problems.

DEAN'S MESSAGE

Message from Dean, School of Electrical Engineering:

The School of Electrical Engineering has steadily grown in eminence since its inception in 2009 and enables undergraduate and graduate students to provide technological solutions to societal problems. In particular, the QS world subject rank of our EEE program has improved by 50 ranks over the past years and stands at **201-250 globally as of 2023**. The field of Electrical Engineering is evolving faster than ever, growing ever more complex and multidisciplinary. We keep abreast of latest developments by continually revising our curriculum with inputs from academia and industry. In addition we ensure that at least 80 % of students in every batch take multiple Value Added Programs (VAPs) to acquire new employability skills. Since the start of our academic year in July 2022, the School of Electrical Engineering has organized **23 international Guest Lectures** to provide global exposure and make our students cognizant of research in top international universities. An industry sponsored hackathon was organized to provide students with experience in solving real-world problems. **5 Faculty Development Programs** and **4 industrial visits** were organized during this same period to improve the quality of our academic programs and help faculty adopt effective pedagogies. The faculty of our school published **42 journal papers and received 3.1979 crores fund** from National and International funding agencies during this period. I encourage you to follow the activities of our school and keep in touch with us through our official social media handles listed at the end of this newsletter.

QS WORLD UNIVERSITY RANKINGS

2023
QS World University Ranking by Subject
Electrical and Electronics Engineering
(201-250)

INNOVATIONS IN POWER & ADVANCED COMPUTING TECHNOLOGIES – 2023

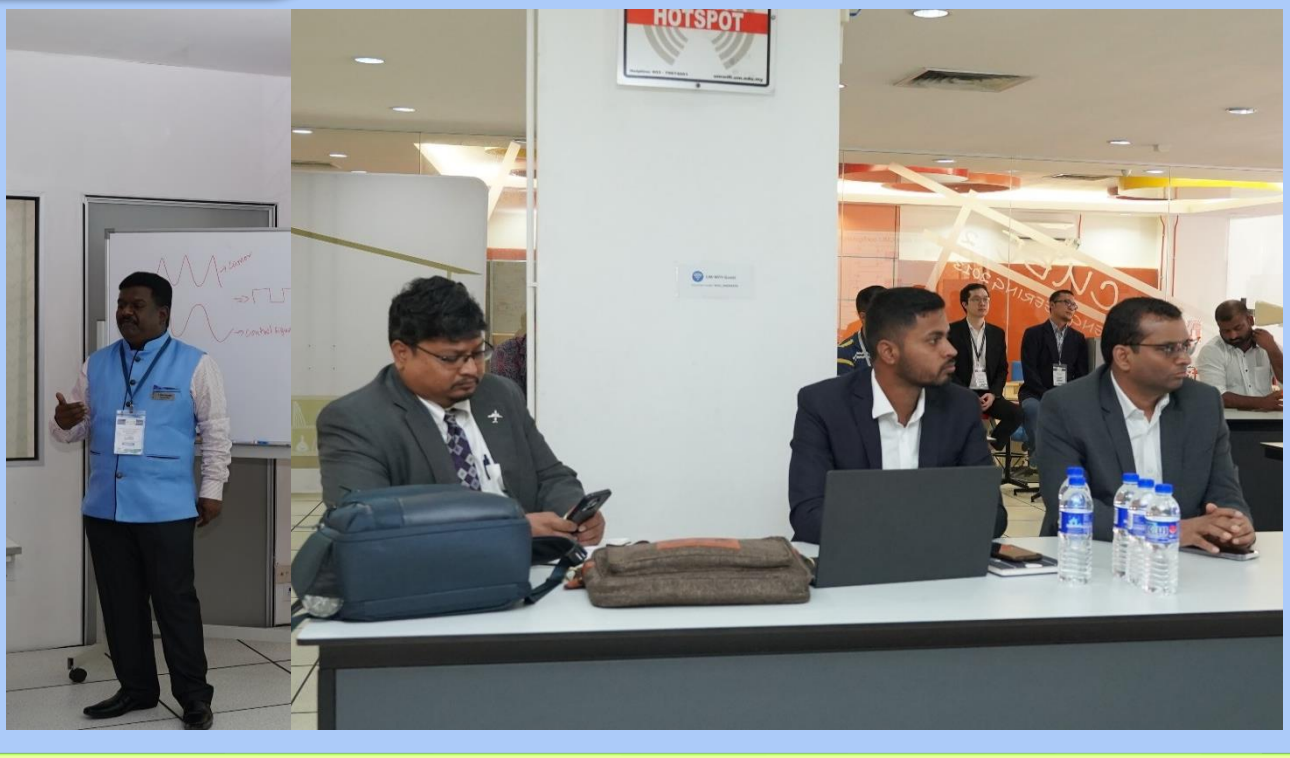
The 4th IEEE International Conference on Innovations in Power and Advanced Computing Technologies (i-PACT '23) took place from December 8th to 10th, 2023. It was hosted by the Faculty of Engineering at Universiti Malaya, Kuala Lumpur, Malaysia, and jointly organized with the School of Electrical Engineering at Vellore Institute of Technology, Vellore. The conference aimed to foster advancements in power and advanced computing technologies.

- ***4 Keynote speakers***
- ***69 different countries***
- ***29 technical sessions***
- ***489 papers from various Universities***
- ***35 journal Papers from International Institutions***
- ***12 papers from IIT/IIIT/NIT***

INNOVATIONS IN POWER & ADVANCED COMPUTING TECHNOLOGIES – 2023

Women in Engineering & Young Professionals

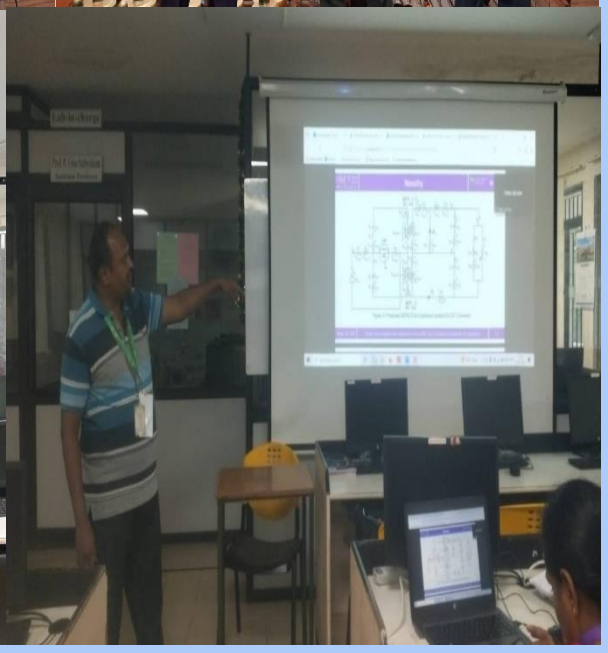
A discussion Forum was held to address topics such as career advancement for early researchers, entrepreneurs, and academicians in engineering sectors on 8.12.2023



A pre-conference Workshop titled "Design & Development of Intelligent Controllers for Performance Improvement in Power Electronics & Drives by Dr. S. Albert Alexander, Professor, VIT, and Vellore & Er. Chandrasekar, Entuple Technologies Pvt. Ltd., was held in Bengaluru on 8.12.2023.

INNOVATIONS IN POWER & ADVANCED COMPUTING TECHNOLOGIES – 2023

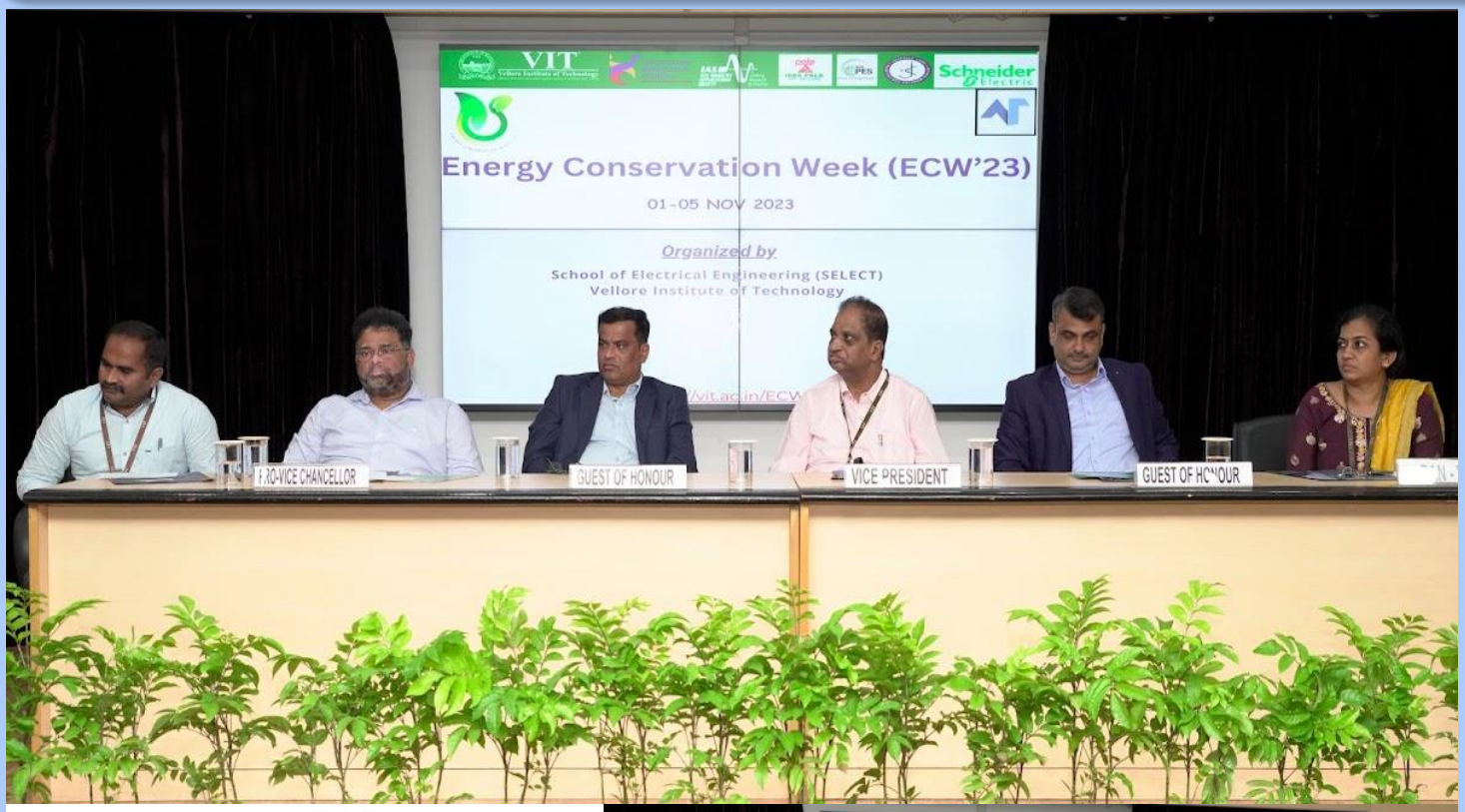
E-Proceedings release and mobile app launch of i-PACT 2023

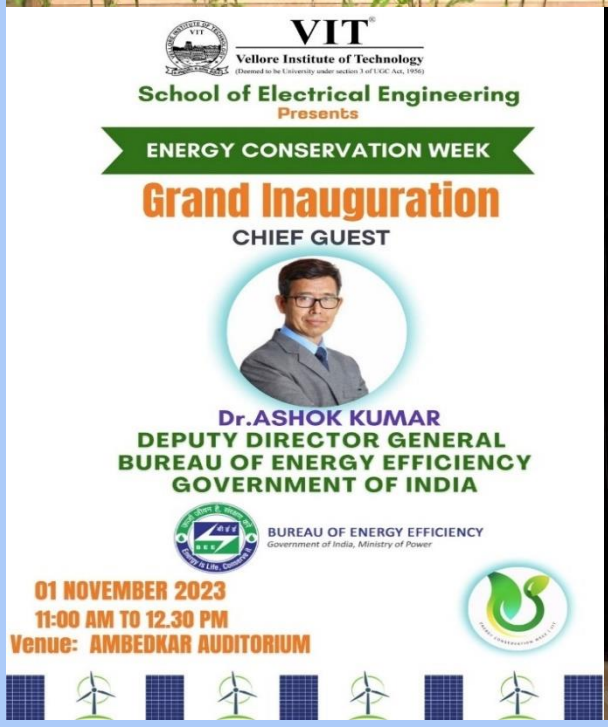


The conference facilitated networking among learned authors, participants, and industry professionals, fostering collaboration and knowledge dissemination.

ENERGY CONSERVATION WEEK

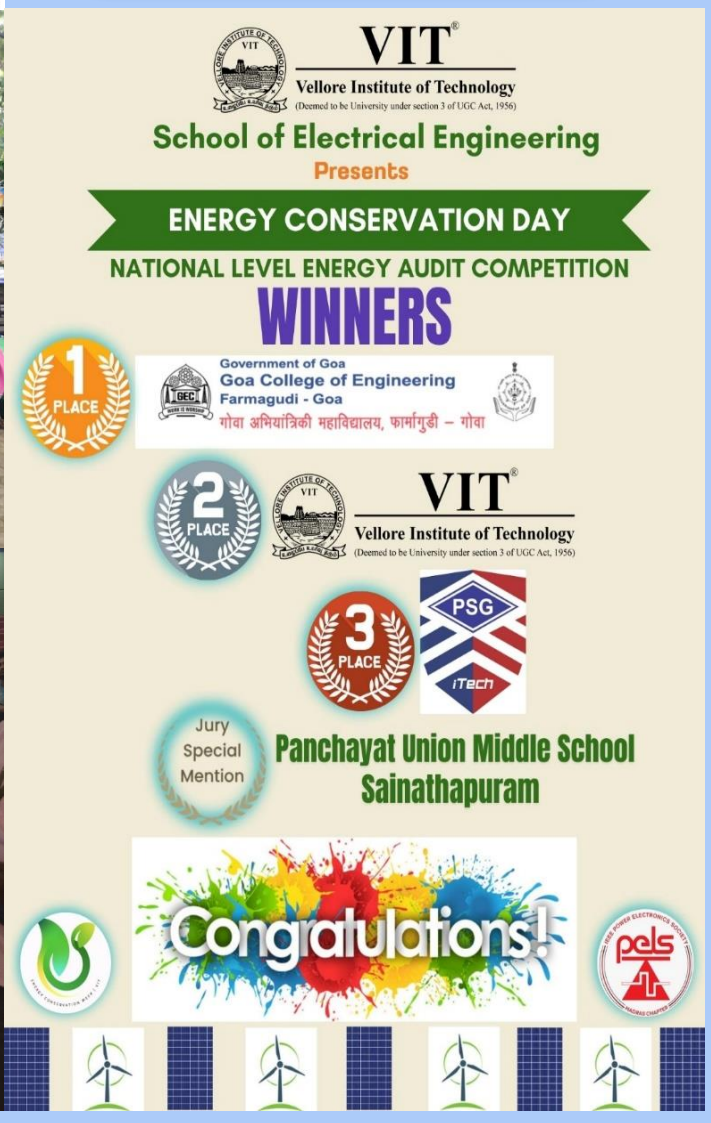
The School of Electrical Engineering had organized an Energy Conservation Week from 01/11/ 2023 to 05/11/2023 to create awareness about the conservation of energy. The program was officially inaugurated in the presence of Mr. Shankar Viswanathan, VP, VIT and Dr. Ashok Kumar, Deputy Director General Bureau of energy efficiency, Government of India.



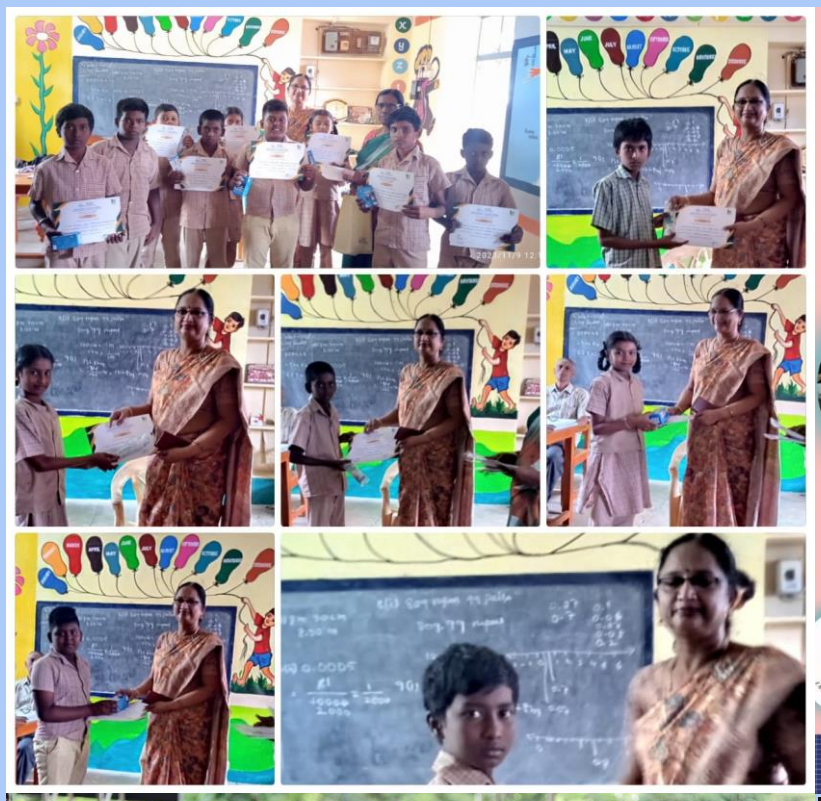


ENERGY CONSERVATION WEEK

Various events were conducted for the faculty, staff and students of VIT and school students such as quiz, painting, model making, art and craft, walkathon, slow cycling, and elocution. A National level energy auditing competition was also conducted on behalf of Energy Conservation Week and the winners were awarded with special prizes.



ENERGY CONSERVATION WEEK



FOUNDER'S DAY ALUMNI SOCIAL ACTIVITY

Around 10 Alumni members from VIT Institutional chapter visited the blind school located in Old Katpadi. More than 25 residents were provided with groceries from the contributions collected from the working Alumni SELECT, VIT, Vellore.

Faculty coordinators

Dr.Prabhakar Karthikeyan

Dr.Vijayapriya

Dr. Anbarasan

Dr.Rani

Prof.Tamilmaran

Dr.Jaganatha Pandian

Dr.Medarametla Praveenkumar

Dr. Vanishree

Dr.Razia Sultana

Dr.Rama Prabha

SPONSORED SHORT TERM COURSE ORGANISED

Five-day offline short-term course on "Power Electronics applications to Smart grid and integration of Renewable Energy sources, PESGRE2023" was organized by the School of Electrical Engineering, VIT, Vellore under the aegis of National Mission on Power Electronics Technology (NaMPET) an initiative of the Ministry of Electronics and Information Technology, Government of India, Nodal Centre- CDAC Trivandrum during November 27 - December 1, 2023.

Sponsor: ***National Mission of Power Electronics Technology (NaMPET)***

Convenor: ***Dr. Raju J***

Coordinators:

Dr. Saravanakumar R,

Dr. Vijayapriya P,

Dr. Thiruvenkadam S

SPONSERED PROJECT AND CONSULTANCY

Title

AI-Driven Adaptive Fast Charging for Electrical Vehicles- Empowering Skills and Curriculum Development

Cost

65.99 lakhs

Principal Investigator

1. Dr. Chitra A, SELECT
2. Dr. V.Indragandhi, SELECT
3. Dr.B.Ashok, SMEC
4. Dr.Thirumalaivasan R, SELECT
5. Dr.Razia Sultana W, SELECT

Funding agency

Royal Academy of Engineering, UK

Title

Establishing a Sustainable Industry 4.0 Facility for Multi-Disciplinary Research & Training towards Digital Transformation

Cost

90 lakhs

Principal Investigator

Dr. B. Jaganatha Pandian

Co-Investigators

1. Dr. N. Ruban
2. Dr. Mathew M. Noel
3. Dr. Partha Sharathi Mallick
4. Dr. R. Saravana Kumar
5. Dr. Bagyaveereswaran V
6. Dr. Manimozhi M
7. Dr. Vinodh Kumar E
8. Dr. Geetha M
9. Dr.Sonam Shrivastava

Funding agency

DST – FIST Program 2023

Title

Development of Artificial Intelligence model for estimation, analysis and prediction of soiling and PV losses for solar photovoltaic plants

Cost

35 lakhs

Principal Investigator

Dr. N.Rajasekar, SELECT

Funding agency

DST-ASEAN- India Collaborative R&D scheme

Title

Fintech Platform solution for sustainable energy system interacting and contracting boosting energy saving and renewable energy FinSESCo

Cost: 86.8 lakhs

Principal Investigator: Dr. Gayathri. V. CCE

Co-investigators: Dr.K.Palanisamy, SELECT

Funding agency: DST-TMD

SPONSERED PROJECT AND CONSULTANCY

Title

Development of a learning framework for renewable energy-based battery swapping station for electric vehicles: A young professional perspective for start-ups, business hubs and employability.

Cost

40,000 GBP (Rs. 42 Lakhs INR).

Investigator

Dr. B. Ashok, SMEC,
Dr. Tapano Kumar Hotta, SMEC,
Dr. Bibhuti Bhushan Sahoo,SMEC and
Dr.K. Palanisamy, SELECT

Funding agency: "British Council" an international funding agency

Title

Energy-Environment and Green Audit Process

Cost

88500/-

Principal Investigator

Dr. I.Jacob Raglend

Co-investigators

Dr.K.Palaniswamy,
Dr. J.Belwin Edward,
Dr. M.Monica Subashini,
Dr. S. Albert Alexander,
Dr. K. Ravi

Funding agency

M/s. Holy Cross Hospital, Nagercoil

EVENTS ORGANISED

A Two-Day hands-on Workshop titled "Python for Science and Engineering Applications" was organised by Dr. Vinodh Kumar, Dr. Medarametla Praveenkumar and Dr. Jitendra Kumar Goyal on 16th and 17th Nov 2023

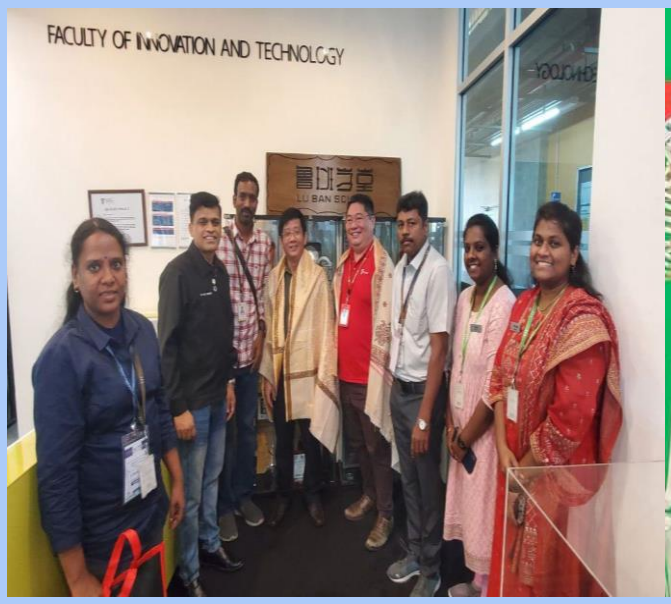
A one-day Virtual Seminar titled "Artificial Intelligence & Machine Learning Applications in Power Electronics and Image Processing" was organised By Dr. Sonam Shrivastava, and Dr. Satyajit Mohanty on 17TH Nov 2023

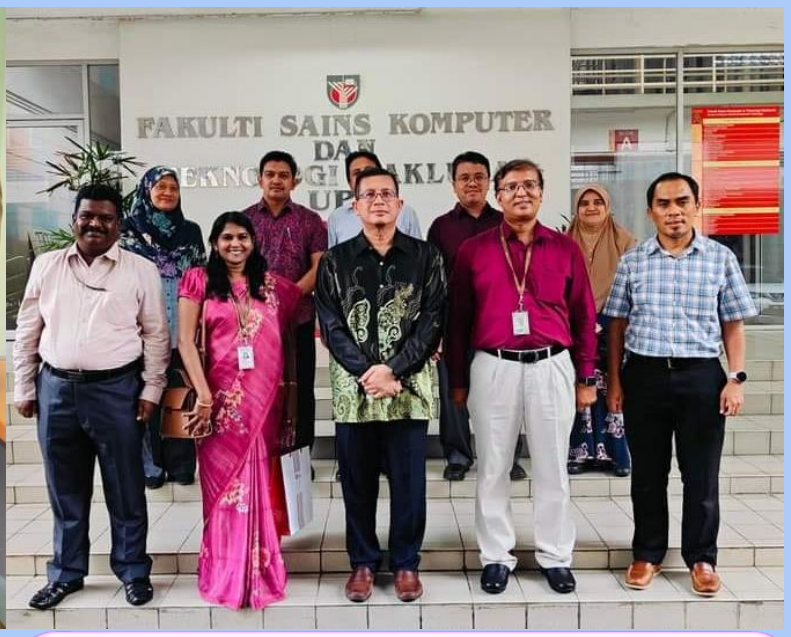
FACULTY FOREIGN UNIVERSITY VISIT

Faculty members from School of Electrical Engineering visited INTI International University

FACULTY FOREIGN UNIVERSITY VISIT

Faculty members from the School of Electrical Engineering visited Taylor's University, Malaysia and had an interactive discussion with Dr. Aravind C V, one of our Adjunct Professors in the School of Electrical Engineering



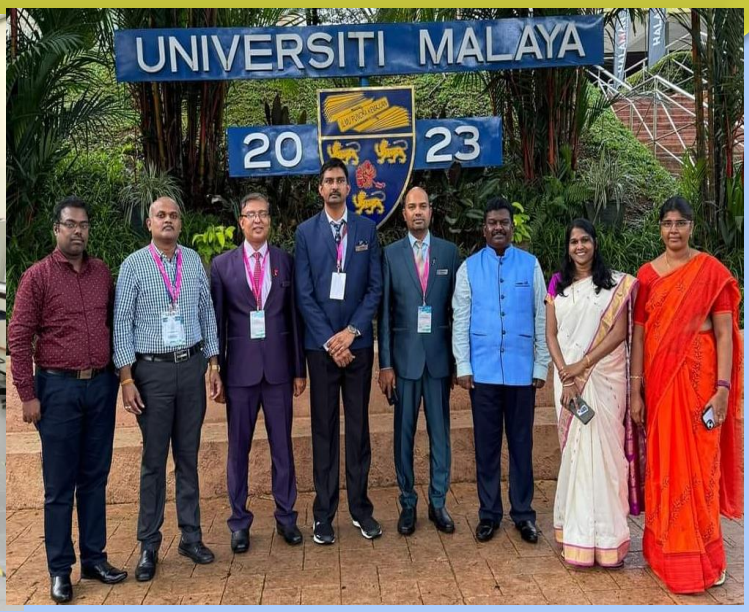


Faculty members from the School of Electrical Engineering visited Multimedia University, Malaysia

Faculty members from the School of Electrical Engineering visited University Putra Malaysia for discussions on research and development.

FACULTY FOREIGN UNIVERSITY VISIT

Faculty members from the School of Electrical Engineering visited a laboratory setup in Universiti Malaya, Kuala Lumpur, Malaysia and discussed about research and possible collaborations.



Faculty members from the School of Electrical Engineering visited KOLEJ KEJURUTERAAN College of Engineering and had an interactive session with Professor Mohamed Ansari. The discussion inculcated deep insights on future research areas in the field of Electrical Engineering.

Dr M V Chilukuri attended the CIGRE 2023 Sendai Colloquium,

FACULTY INDUSTRIAL VISIT

Faculty members from the School of Electrical Engineering visited many industries and discussed about future research

GUEST LECTURES DELIVERED

Dr. ALBERT ALEXANDER S from SELECT delivered a guest lecture in Er Perumal Manimekalai College of Engineering, Hosur, India on the topic “Design of Solar PV to your house” on 21-12-2023

Dr. ALBERT ALEXANDER S from SELECT delivered a guest lecture in Coimbatore Institute of Technology, Coimbatore, India on the topic “Funding Opportunities in AI Based Health Care systems” on 20-12-2023

Dr. ARUNKUMAR G from SELECT delivered a guest lecture in Sri Venkateswara College of Engineering, Tirupathi, India on the topic “Guidelines to Start Power Converter Hardware Projects for EV Battery Charging Applications” on 20-12-2023.

Dr. ALBERT ALEXANDER S from SELECT delivered a guest lecture in Sri Krishna College of Technology, Coimbatore, India on the topic “Innovations in converter and inverter controller design techniques used in Electrical Vehicles” on 16-12-2023.

Dr. ALBERT ALEXANDER S from SELECT delivered a guest lecture in Universiti Malaya, Kuala Lumpur, Malaysia on the topic “Computing” on 10-12-2023.

Dr. ALBERT ALEXANDER S from SELECT delivered a guest lecture in Universiti Malaya, Kuala Lumpur, Malaysia on the topic “Design and Development of Intelligent Controllers for the Performance Improvement in Power Electronics and Drives” on 8-12-2023.

Dr. ALBERT ALEXANDER S from SELECT delivered a guest lecture in Government College of Engineering, Bodinayakanur, India titled “Optimization Techniques and Its Applications” on 05-12-2023.

Dr. ALBERT ALEXANDER S from SELECT delivered a guest Lecture in The Indian Public School, Erode, India titled “SPACE DEBRIS” on 01-12-2023.

Dr. ARUNKUMAR G from SELECT delivered a guest Lecture in VIT and National Mission of Power Electronics Technology NaMPET, Vellore, India titled “Hardware Demo Smart Grid Applications” on 30-11-2023.

GUEST LECTURES DELIVERED

Dr. ALBERT ALEXANDER S from SELECT delivered a guest lecture in Mahindra Engineering College, Namakkal, India titled "Advanced Technological Insights on Solar Energy Conversion System" on 24-11-2023.

Dr. INDRAGANDHI V from SELECT delivered a guest lecture in VIT, Vellore , India and Rajamangala University of Technology, Krungthep, Thailand titled "An Overview of On-board charger and DC-DC Converters for EV Applications" on 15-11-2023

Dr. ALBERT ALEXANDER S from SELECT delivered a guest lecture in Dayananda Sagar College of Engineering, Bengaluru, India titled "Electric Vehicle Design and Dynamics" on 11-11-2023

Dr. INDRAGANDHI V from SELECT delivered a guest lecture in IEEE Women in Engineering, Sweden, titled "Design of on-board-charger for EV Applications" on 07-11-2023.

Dr. ALBERT ALEXANDER S from SELECT delivered a guest Lecture in Shandong University of Technology, Zibo, China titled "Applications of Machine Learning Techniques for the performance improvement in Power Electronics" on 28-10-2023

Dr. ELANGOVAN D from SELECT delivered a guest Lecture in VIT, Vellore, India on a Short-Term Course on "Electric Vehicle Powertrain"" on 19-10-2023

Dr. ALBERT ALEXANDER S from SELECT delivered a guest lecture in, Sri Sairam Institute of Technology, Chennai, India titled "Role of Power Electronics towards Smart City Development" on 18-10-2023

Dr. ALBERT ALEXANDER S from SELECT delivered a guest Lecture in Rajalakshmi Engineering College, Chennai, India titled "Applications of Machine Learning Techniques for Power Electronics" on 14-10-2023

Dr. UMA SATHYAKAM P from SELECT delivered a guest lecture in St Joseph's College of Engineering, Chennai, India titled "High speed VLSI interconnects" on 7-10-2023

FACULTY ACHIEVEMENTS

Around 65 faculty members from the School of Electrical Engineering received various Awards during the Faculty Research Award 2022 namely Top 2% Scientist Award, Research Award and Outstanding Research Award conducted by Vellore Institute of Technology, Vellore, India.

Top 2% Scientist Award

Dr. Jayabarathi T

Dr. Rajasekar N

Dr. Geethanjali P

Dr. Geetha M

Outstanding Research Award

Dr. Indragandhi V

Dr. Chitra A

Dr.Yeddula Pedda Obulesu

Dr.Raja Singh R

Dr.Dhanamjayulu C

Dr.Selvakumar K

FACULTY ACHIEVEMENTS

MANIPAL ACADEMY of HIGHER EDUCATION

RAiSE 2023

International Conference

Recent Advances in Science and Engineering

RAiSE - 2023

Best AWARD

BEST PAPER AWARD

Awarded to

ABHISHEK GUDIPALLI

for the paper titled

Current Measurement and Fault Detection Based on Non-Invasive Smart IOT Technique

in the Two Day International Conference held from 4th - 5th October 2023 at MAHE, Dubai

Dr. Sathyashankara Sharma
Organizing Chairman
HOD, Mechanical and Industrial Engineering
MIT, MAHE, Manipal, India

Dr. Pavan Hiremath
Conference Convenor
Mechanical and Industrial Engineering
MIT, Manipal India

Dr. Rajiv Selvam
Conference Convenor
School of Engineering & IT,
MAHE, Dubai

Prof. Nithesh Naik
Conference Convenor
Mechanical and Industrial Engineering
MIT, Manipal India

Dr. Abhishek Gudipalli received Best Paper Award at the International Conference on Recent Advances in Science and Engineering (RAiSE-2023) for the paper titled "Current Measurement and Fault Detection Based on Non-Invasive Smart IOT Technique" Organized by Department of Mechanical & Industrial Engineering, Manipal Institute of Technology, MAHE, Manipal, India. In Association with School of Engineering and IT, MAHE Dubai, UAE. 4 – 5 October 2023 | Hybrid Mode (Offline & Online)| MAHE Dubai.

S.No.: NITP/ICEFEET23/70

NIT PATNA

3rd International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET)

ICEFEET 2023

21-22 December, 2023

Certificate

This is to certify that Prof./Dr./Mr./Ms. ***Nishant Chaudhary*** *from* ***IIT(ISM) Dhanbad*** *has presented a paper titled* ***"Harmonic Reduction Strategies for EV Charging in Power Systems using Shunt Active Power Filter"*** *(Paper ID: 223) authored by* ***Nishant Chaudhary, Alok Ranjan, Devara Vijay Bhaskar, Mrutunjaya Panda, Abhishek Kumar, and Prashant Kumar*** *in 3rd International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET) organized by the Department of Electrical Engineering, National Institute of Technology Patna.*

Dr. Amitesh Kumar
Convener, ICEFEET 2023

Dr. Gagan Deep Meena
Convener, ICEFEET 2023

Dr. Vimlesh Verma
Convener, ICEFEET 2023

Dr. Rajib Kumar Mandal
Secretary, ICEFEET 2023

Dr. Mrutunjaya Panda presented a paper titled "Harmonic Reduction Strategies for EV Charging in Power Systems using Shunt Active Power Filter" and won the Best Paper Award for the technical session in power system in 3rd International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET) organized by the Department of EE, National Institute of Technology Patna.

STUDENT ACHIVEMENTS

Mr. Vishakh Garg (20BEE0012) represented VIT at the Times of India Torrent Public Speaking Contest 2023 and won the Second Runners Up position in the State Level with a cash prize of Rs.40,000/-. He had earlier competed at the Regional Level (Ahmedabad) and won the Second Runners Up position with a cash prize of Rs.3000/-.

PATENT APPLIED AND GRANTED

PATENT GRANTED

INVENTOR NAME: DR. ELANGOVAN D, AND PETER K JOSEPH

TITLE: FLEXIBLE DISTANCE WIRELESS CHARGER FOR ELECTRIFIED VEHICLES

INVENTOR NAME: Mr. SARANSH CHHAWCHHARIA, SELECT

TITLE: SEAT POSITION ADJUSTING MECHANISM FOR LIFTING AND SHIFTING A SEAT OF A WHEELCHAIR

PATENT FILED

INVENTOR NAME: DR.CHITRA A, DAKI KRISHNACHAITANYA

TITLE: 5-LEVEL LOOP INVERTER WITH FEASIBLE COMMERCIALIZATION ATTRIBUTES

INVENTOR NAME: DR. MARIMUTHU R, ALAJINGI RAMKUMAR

TITLE: TEG BASED ENERGY DEVICE TO CONVERT AIR CONDITIONER EXHAUST INTO ELECTRICAL ENERGY

CORPORATE TRAINING

Faculty members from the School of SELECT Dr. M. Manimozhi, Dr.Jaganatha Pandian B, Dr.Bagyaveereswaran V, Dr. Chitra A and Dr. Razia Sultana W, conducted a corporate training program for the employees from M/s.Royal Enfield on the topic Linear Multivariable Control (LMC). Total amount sanctioned for the program is Rs. 403276.

Details of the courses chosen for training and the experts involved (Total 96 hours)

Course title	Name of the Experts(Professors)
Statistical Signal Processing (SSP) -24 Hours	• **Dr.J.Valarmathi, SENSE** • **Dr. Mohanaprasad K, SENSE**
Linear Multivariable Control (LMC) - 24 Hours	• **Dr. M. Manimozhi, SELECT** • **Dr.Jaganatha Pandian B, SELECT** • **Dr.Bagyaveereswaran V, SELECT**
Electric Drives and control(EDC)-21 Hours	• **Dr. Chitra A, SELECT** • **Dr. Razia Sultana W, SELECT**
Controller Area Networks (CAN) - 12 Hours	• **Dr. Gerardine Immaculate Mary, SENSE**
Fundamentals of Reliability Engineering (FRE) -15 Hours	• **Dr. Chitra A, SELECT** • **Dr. Razia Sultana W, SELECT**

HIGH IMPACT FACTOR PUBLICATIONS -OCTOBER 2023

Vedhanayaki S., Indragandhi V., A comprehensive review of state of charge estimation in lithium-ion batteries used in electric vehicles, Journal of Energy Storage, I.F. 9.4

- *D. L.S.N., R. M..., Review on advanced control techniques for microgrids, Energy Reports,* ***I.F. 5.2***
- *Goyal J.K., Sachan A., Prabha N.A., Kamal S., Chauhan A.K., Ghosh S., Bandyopadhyay B.,*
- *Xiong X.., Non-smooth integral sliding surface based control for systems with mismatched disturbances, Journal of Process Control,* ***I.F. 4.2***
- *Sharma P., Raju S., Metaheuristic optimization algorithms: a comprehensive overview and classification of benchmark test functions, Soft Computing,* ***I.F. 4.1***
- *Nyamathulla S., Chittathuru D.., A Review of Multilevel Inverter Topologies for Grid-Connected Sustainable Solar Photovoltaic Systems, Sustainability,* ***I.F. 3.9***
- *Prabhu N., Thirumalaivasan R., Ashok B.., Critical Review on torque Ripple Sources and Mitigation Control strategies of BLDC Motors in Electric Vehicle applications, IEEE Access,* ***I.F. 3.9***
- *Gade C.R., Wahab R.S.., Conceptual Framework for Modelling of an Electric Tractor and Its Performance Analysis Using a Permanent Magnet Synchronous Motor, , Sustainability,* ***I.F. 3.9***
- *Kandasamy P., Kumar C., Lakshmanan M., Jaisiva S., Stonier A.A., Peter G., Ganji V.., Initial condition based real time classification of power quality disturbance using deep convolution neural network with bidirectional long short-term memory, IET Generation, Transmission and Distribution,* ***I.F. 2.5***
- *Kalel D., Raja Singh R..., Energy-Efficient Sensorless PMSM Pump Drive with mGWO and Loss Model for Field Orientation Control Strategy, Iranian Journal of Science and Technology - Transactions of Electrical Engineering,* ***I.F. 2.4***
- *Sathishkumar S., Kamatchi Kannan V., Maheswari C., Albert Alexander S..., High gain novel two input two output buck- boost converter for electric vehicle applications, International Journal of Electronics,* ***I.F. 1.3***
- *Bairabathina S., Balamurugan S.., Modelling and Real-time Validation of a Two–input High–gain DC–DC Converter with a Reduced Number of Switches, International Journal of Renewable Energy Research,* ***I.F. 1***

HIGH IMPACT FACTOR PUBLICATIONS – DECEMBER 2023

Ramachandra N., Natarajan R., An efficient power extraction approach for roof-top photovoltaic systems under immobile shade scenarios, Journal of Cleaner Production, I.F. 11.1

- *Vijaya Sambhavi Y., Ramachandran V., A technical review of modern traction inverter systems used in electric vehicle application, Energy Reports,* ***I.F. 5.2***
- *Srinivasan T., Venkatapathy S., Jo H.-G., Ra I.-H., VNF-Enabled 5G Network Orchestration Framework for Slice Creation, Isolation and Management, Journal of Sensor and Actuator Networks,* ***I.F. 3.5***
- *Sharma P., Raju S., Efficient estimation of PV parameters for existing datasets by using an intelligent algorithm, Optik,* ***I.F. 3.1***
- *Sarin C.R., Mani G., Stonier A.A., Peter G., Kumaresan P., Ganji V., An extensive critique on expert system control in solar photovoltaic dominated microgrids, IEEE Acces IET Renewable Power Generations,* ***I.F. 2.6***
- *Ravi T., Sathish Kumar K., Dhanamjayulu C., Khan B., Utilization of Stockwell Transform and Random Forest Algorithm for Efficient Detection and Classification of Power Quality Disturbances, Journal of Electrical and Computer Engineering,* ***I.F. 2.4***
- *Mohanty R., Chatterjee D., Mohanty S., Dhanamjayulu C., Khan B., THD Reduction of Improved Single Source MLI Using Upgraded Black Widow Optimization Algorithm, International Transactions on Electrical Energy Systems,* ***I.F. 2.3***
- *Harish S., Hamza M., Uma Sathyakam P., Senthil Kumar A., Statistical Model Identification and Variable Selection for Prediction of Heat Exchanger Fouling, Mathematical Problems in Engineering.*
- *Arun S.L., Bingi K., Vijaya Priya R., Jacob Raglend I., Hanumantha Rao B., Novel Architecture for Transactive Energy Management Systems with Various Market Clearing Strategies, Mathematical Problems in Engineering.*

HIGH IMPACT FACTOR PUBLICATIONS – DECEMBER 2023

Salgotra R.; Sharma P.; Raju S.; gandomi A.H., A Contemporary Systematic Review on Meta-heuristic Optimization Algorithms with Their MATLAB and Python Code Reference, Archives of Computational Methods in Engineering, I.F. 9.7

- *Prabhavathy T.; Elumalai V.K.; Balaji E.; Sandhiya D.., A surface electromyography based hand gesture recognition framework leveraging variational mode decomposition technique and deep learning classifier, Engineering Applications of Artificial Intelligence,* ***I.F. 2.4***
- *Sharma P.; Raju S.; Salgotra R.; Gandomi A.H.., Parametric estimation of photovoltaic systems using a new multi-hybrid evolutionary algorithm, Energy Reports,* ***I.F. 5.2***
- *Ravi T.R.; Kumar K.S.; Dhanamjayulu C.; Khan B.; Rajalakshmi K.., Analysis and mitigation of PQ disturbances in grid connected system using fuzzy logic based IUPQC, Scientific Reports,* ***I.F. 4.6***
- *Singh S.; Sachan A.; Goyal J.K.; Purwar S.; Soni S.K.., Supervisory-based quantised hands-off control for a class of uncertain systems with nonlinear sector, International Journal of Systems Science,* ***I.F. 4.3***
- *Anuradha N.; Sivabalan S.., Low Level Concentration Measurement of Mercury Ions using CLF-GIMF based Multimode Interference Sensing in a Fiber Optic Ring Cavity Laser, IEEE Sensors Journal,* ***I.F. 4.3***
- *Shimpi J.K.; Shanmugam P.; Stonier A.A.., Analytical model to predict diabetic patients using an optimized hybrid classifier, Soft Computing,* ***I.F. 4.1***
- *Anil V.; Arun S.L.., Credit Rating-Based Transactive Energy System with Uncertainties in Energy Behavior, IEEE Access,* ***I.F. 3.9***
- *Aijaz M.; Hussain I.; Lone S.A.; Chankaya M.., GRLF-LAD Control Based Active Power Filter Operation with QSG-SOGI Algorithm for Grid Voltage Harmonics Disturbance Rejection, IEEE Access,* ***I.F. 3.9***
- *Ojha S.K.; Obaiah M.C.., Delay Dependent Stability Analysis of Load Frequency Control via Asymmetric Lyapunov-Krasovskii Functional, IEEE Access,* ***I.F. 3.9***
- *Venkatapathy S.; Srinivasan T.; Jo H.-G.; Ra I.-H.., An E2E Network Slicing Framework for Slice Creation and Deployment Using Machine Learning, Sensors,* ***I.F. 3.9***
- *Mathesh G.; Saravanakumar R.., A Novel Intelligent Controller-Based Power Management System With Instantaneous, IEEE Access,* ***I.F. 3.9***

ADVISORY TEAM

Dr. Mathew Mithra Noel

Professor (HAG) and Dean

School of Electrical Engineering

Vellore Institute of Technology (VIT)

Vellore-632014, Tamil Nadu, India

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கருதி இடத்தாற் செயின். – திருவள்ளுவர்

The pendant world's dominion may be won,
In fitting time and place by action done. - Thiruvalluvar