



School of Electrical Engineering (SELECT)



Vision

To be a leader for academic excellence in the field of electrical, instrumentation and control engineering imparting high quality education and research leading to global competence for the societal and industrial developments.

Mission

- Impart high quality education and interdisciplinary research by providing conducive teaching learning environment and team spirit resulting in innovation and product development.
- Enhance the core competency of the students to cater to the needs of the industries and society by providing solutions in the field of electrical, electronics, instrumentation and automation engineering.
- Develop analytical skills, leadership quality and team spirit through balanced curriculum.

Student Achievements

1. First Place at Smart India Hackathon 2020

Ms. Shivani Kumari received the Winner Certificate at Smart India Hackathon 2020 – Grand Finale held from 21 – 23 December 2020.



2. Third Place at Freetail Hacker's Hack TX 2020

Mr. Swarup Tripathy received the Certificate for 3rd Place² in Freetail Hacker's annual Hackathon 2020 (Hack TX 2020) held in Texas, USA

HACK TX
2020

Freetail Hacker's HackTX 2020

3rd Place CERTIFICATE

is hereby presented to

Swarup Tripathy

For outstanding and remarkable work completed and contested with **PI: Unmute Yourself**
in Freetail Hacker's annual hackathon, HackTX, Texas' largest student-run hackathon.

10/28/2020

Date



Ansh Jain, Corporate Director

3. First Place at IvyHacks 2020

Mr. Swarup Tripathy won the "Best Hardware Hack and Best Healthcare Hack" award at IvyHacks 2020 held on October 1-4, 2020

CERTIFICATE OF RECOGNITION

This certificate is granted to

Swarup Tripathy

In recognition of winning the **Best Hardware Hack and Best Healthcare Hack** award and for successful completion of the IvyHacks 2020 hackathon held on October 1-4, 2020.



Awarded By
Mohib Jafri, Director of IvyHacks

Date
10/11/2020

4. Third Place at AVIATE 2020

Mr Sandeep Kumar received the Certificate for 3rd Place (Runner Up) in the event AVIATE 2020 conducted by Aero-Unwired club at NIT Calicut.




CERTIFICATE



This certificate is proudly presented to
Mr. SANDEEP KUMAR, Second Year - B.Tech (EEE)
from **VIT Vellore** who has secured
SECOND RUNNER UP position in the event AVIATE 2020
conducted by Aero-Unwired Club at NIT Calicut during 21-22
November 2020.


AASHISH.R
Technical Secretary
Club Aerounwired, NIT Calicut


DR. T.J. SARVOTHTHAMA JOTHI
Faculty in Charge
Club Aerounwired, NIT Calicut



**Faculty
Achievements**

1. Outstanding Paper Award at SocPros 2020

Mr. Senthil Prabu and Dr. Prabakar Karthikeyan received the Certificate of Outstanding Paper Award in 10th International Conference on Soft computing for Problem Solving (SocProS 2020) held at IIT Indore



2. Technical Committee Member at ICPEs 2020

Dr. Prabakar Karthikeyan contributed as a Technical Committee Member at the 10th International Conference Power and Energy Systems (ICPEs 2020) held in Chengdu, China.



Top Publications October 2020

1) Gil-González W., Montoya O.D., Rajagopalan A., Grisales-Noreña L.F., Hernández J.C., Optimal selection and location of fixed-step capacitor banks in distribution networks using a discrete version of the vortex search algorithm, *Energies*. **I.F.**7.702

2) Thulasi S., Sivabalan S., Hybrid structure based on no-core and graded-index multimode fibers as saturable absorber for a self-starting mode-locked Yb-doped fiber laser. *Applied Optics*. **I.F.** 1.961

**Top Publications
November 2020**

- 1) Tamil Selvan S., Ravichandar R., Kanta Ghosh K., Mohan A., Mahalakshmi P., Gulyás B., Padmanabhan P. "Coordination chemistry of ligands: Insights into the design of amyloid beta/tau-PET imaging probes and nanoparticles-based therapies for Alzheimer's disease", Coordination Chemistry Reviews. **I.F.** 15.367
- 2) Velpula S., Thirumalaivasan R., Janaki M., "Stability analysis on torsional interactions of turbine-generator connected with DFIG-WECS using admittance model" IEEE Transactions on Power Systems. **I.F.** 6.074
- 3) Sridhar N., Kowsalya M. "Enhancement of power management in micro grid system using adaptive ALO technique" Journal of Ambient Intelligence and Humanized Computing. **I.F.** 4.594

**Top Publications
December 2020**

- 1) Aala Kalananda V.K.R., Komanapalli V.L.N., “A combinatorial social group whale optimization algorithm for numerical and engineering optimization problems”, Applied Soft Computing. **I.F.** 5.472
- 2) Dhanamjayulu C., Kaliannan P., Padmanaban S., Maroti P.K., Holm-Nielsen J.B., “A New Three-Phase Multi-Level Asymmetrical Inverter with Optimum Hardware Components”, IEEE Access. **I.F.** 3.745
- 3) Kumar L.A., Raj B.M., Vijayakumar V., Indragandhi V.,⁹Subramaniaswamy V., Karimi H.R., Veluvolu K.C., “Analysis of electric motor magnetic core loss under axial mechanical stress”, Sensors (Switzerland) . **I.F.** 3.275

**Editorial
Committee**

**Prof. Joshua Reddipogu, Assistant
Professor Sr.**

