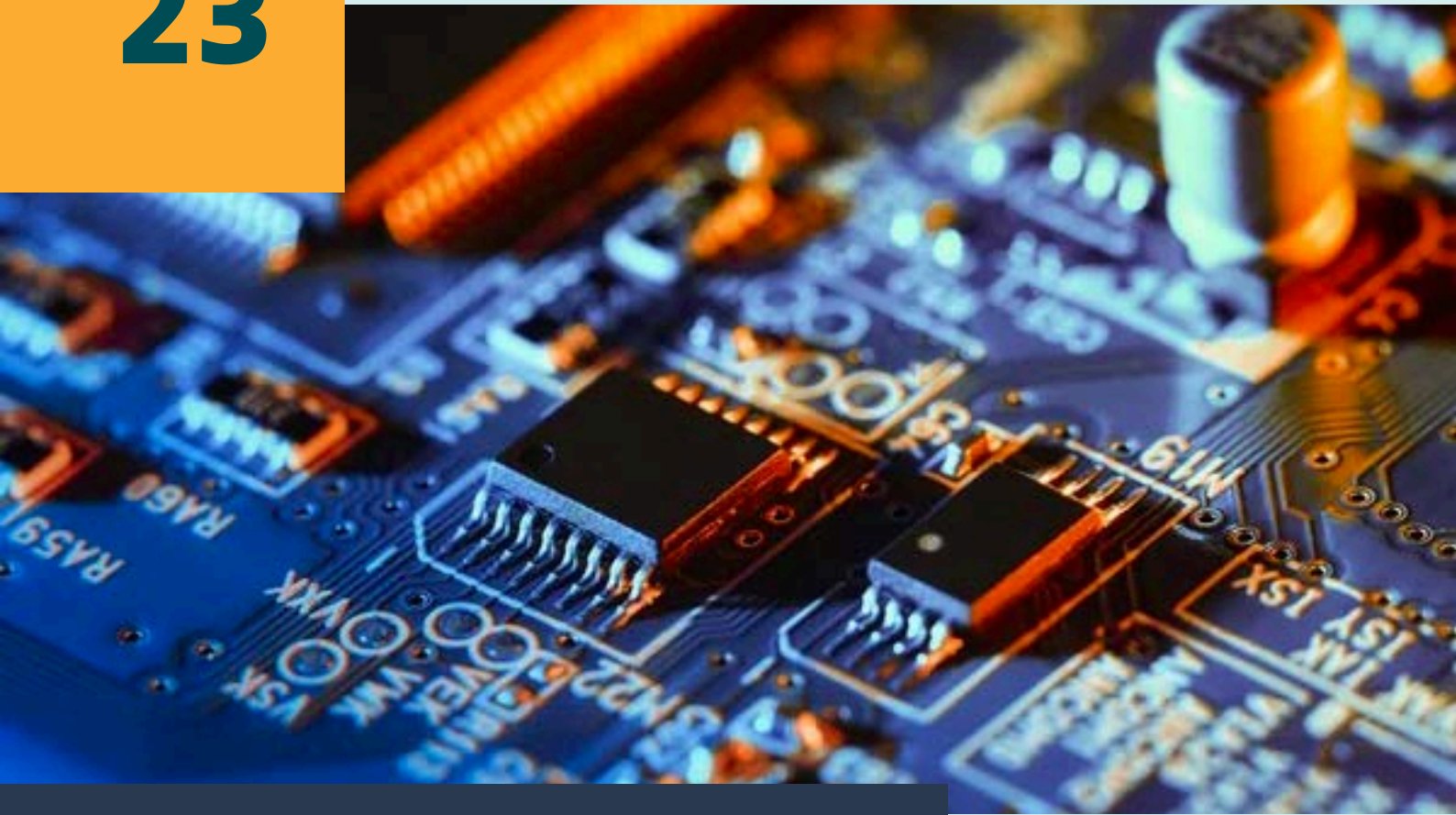


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**VIT**<sup>®</sup>  
Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)

**SCHOOL OF ELECTRONICS ENGINEERING**



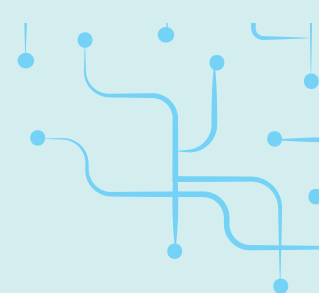
Tech-Tronics

# TRIBUNE

E-NEWSLETTER:

Volume 4 Issue 3

Jul - Sept ' 23

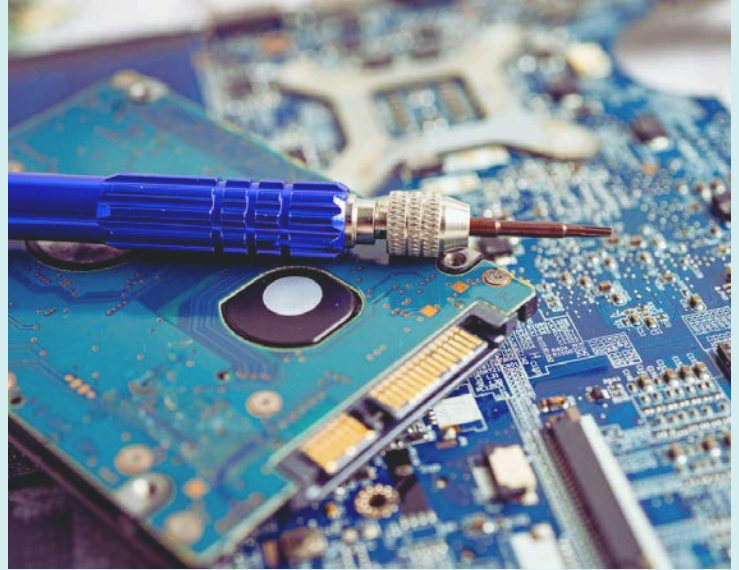


## VISION

To be a leader in imparting in-depth and futuristic knowledge of electronics engineering and allied domains that cater to the needs of industry, research, and society.

## HIGHLIGHTS

- **Vision & Mission**
- **Dean's Message**
- **Faculty Achievements**
- **Events Organized**
- **Selected Publications**
- **Sponsored Research**
- **Consultancy Projects**
- **Editorial Committee**



## MISSION

- To create and maintain an environment of excellence in teaching, learning, and applied research in electronics engineering and associated disciplines to pioneer sustainable growth.
- To equip students with the necessary knowledge and skills enabling them to be lifelong learners in solving real-life problems, thereby improving the quality of human life and values.

## DEAN'S MESSAGE

### Message from SENSE Dean

Dear VITians,

I trust this message finds you in good health and high spirits. Today, I am delighted to bring you important updates and announcements concerning our esteemed institution's School of Electronics Engineering.

In light of the ever-evolving landscape of electronics engineering, we have embarked on a thorough review of our curriculum. Our goal is to ensure that our programs remain at the forefront of technological advancements, equipping our students with the skills and knowledge essential for success in the industry. Anticipate exciting changes in our course offerings, upgraded laboratory facilities, and enriched project-based learning opportunities.

In our commitment to fostering innovation and facilitating groundbreaking research, we have actively pursued collaborations with industry partners and secured additional funding for research projects. These efforts will provide our faculty and students with expanded opportunities to delve into cutting-edge technologies, engage in multidisciplinary research endeavors, and contribute to addressing real-world challenges.

To bridge the gap between academia and industry, we are proactively establishing partnerships and collaborations with leading technology companies. These collaborations will enable our students to gain practical insights through internships, industrial training programs, and guest lectures from industry experts. We firmly believe that these interactions will enhance your professional growth and help you establish valuable industry connections.

I am thrilled to present the 4th Volume, 3rd Issue of our ENewsletter, "Tech-Tronics Tribune," by the School of Electronics Engineering (SENSE) for the third quarter of 2023. This edition showcases the well-deserved honors and recognitions bestowed upon both faculty and students within the SENSE family for the period of July to September 2023. I extend my heartfelt gratitude to all members of the SENSE family for their unwavering support and contributions that have made this newsletter possible. Your continued support is deeply appreciated, and we eagerly anticipate realizing the institute's mission and vision.

Thank you, and we look forward to an exciting journey ahead.



**Dr. Sivanantham S.**  
Professor & Dean  
School of Electronics Engineering  
Vellore Institute of Technology, Vellore  
dean.sense@vit.ac.in

## Guest Lectures Delivered

- Dr. Suganthan V delivered a lecture titled “Expert Guidance on Defining Your Career Path” at Senthil Matriculation Higher Secondary School, Adhiyamankottai, India, on September 30, 2023.
- Dr. Subhathirai S P delivered a lecture titled “Cultivating Innovation: 3D Disease Models for Precision Medicine” at Central Council for Research in Siddha, Bangalore, India, on September 26, 2023.
- Dr. Arunkumar Chandrasekhar delivered a lecture titled “Beyond Batteries: How Triboelectric Nanogenerators are Shaping the Sustainable Energy Landscape” at Chettinad Academy of Research and Education, Chennai, India, on September 26, 2023.
- Dr. Konguvel Elango delivered a lecture titled “VLSI Memory Design” at Akshaya College of Engineering and Technology, Coimbatore, India, on September 25, 2023.
- Dr. Mohiul Islam delivered a lecture titled “Applications of AI and ML in Signal Processing, Control and Communication” at Ghani Khan Choudhury Institute of Engineering and Technology, Malda, West Bengal, India, on September 23, 2023.
- Dr. Vineeth Palliyembil delivered a lecture titled “Optical Wireless Communication” at Government College of Technology Coimbatore, Coimbatore, India, on September 22, 2023.
- Dr. Rajeshkumar V delivered a lecture titled “Fabrication of Transmission Lines” at Karpagam Institute of Technology, Coimbatore, India, on September 22, 2023.
- Dr. Rajeshkumar V delivered a lecture titled “Antenna Design for 5G and Beyond Networks” at Government College of Technology GCT Coimbatore, Coimbatore, India, on September 21, 2023.
- Dr. Anand Singh delivered a lecture titled “Optimal UAV Deployment and LED Power Allocation Strategies for VLC-enabled Indoor Flying Networks” at Baderiya Global Institute of Engineering and Management, Jabalpur, Madhya Pradesh, India, on September 21, 2023.
- Dr. Poongundran Selvaprabhu delivered a lecture titled “Non-Orthogonal Multiple Access (NOMA) Systems” at Government College of Technology, Coimbatore, India, on September 20, 2023.
- Dr. Poongundran Selvaprabhu delivered a lecture titled “Multiple Input Multiple Output Wireless System” at Government College of Technology, Coimbatore, India, on September 20, 2023.

## Guest Lectures Delivered

- Dr. Prachi Sharma delivered a lecture titled “Synthesis of Nanocrystalline Silicon-Based Thin-Film Transistors by Using Laser Deposition Technologies” at Samara University, Samara, Russia, on September 18, 2023.
- Dr. Somasundaram D delivered a lecture titled “Signals and Systems” at Bharathiyar Institute of Engineering for Women, Salem, India, on September 15, 2023.
- Dr. Sujatha R delivered a lecture titled “Industry 5.0 – The Power of Edge Computing” at Universiti Teknikal Malaysia Melaka, Melaka, Malaysia, on September 12, 2023.
- Dr. Somasundaram D delivered a lecture titled “Biomaterials and Biosensors for the Development of MEMS and MOS Capacitors” at CMR Institute of Technology, Bangalore, India, on September 11, 2023.
- Dr. Hemprasad Yashwant Patil delivered a lecture titled “End-to-End Machine Learning Project Implementation Using Scikit-Learn and Relevant Python Frameworks” at Vellore Institute of Technology, Vellore, India, on September 11, 2023.
- Dr. Rajesh Kumar M delivered a lecture titled “Speech Signal Processing for Clinical Application” at VIT India Universiti Teknikal Malaysia Melaka, India Malaysia, Malaysia, on September 4, 2023.
- Dr. Jaffino delivered a lecture titled “Insights of Transport Layer Protocols” at Kalasalingam Academy of Research and Education, Krishnankoil, India, on August 31, 2023.
- Dr. Sriharipriya K C delivered a lecture titled “Introduction to 5G and Key Concepts” at RMK College of Engineering and Technology, Chennai, India, on August 31, 2023.
- Dr. Mohiul Islam delivered a lecture titled “Signal/Image in Frequency Domain: Representation, Analysis and Applications” at Barak Valley Engineering College Assam, Karimganj, Assam, India, on August 28, 2023.
- Dr. Suresh Kumar T R delivered a lecture titled “EMC/EMI and Antenna Design” at Vivekanandha College of Technology for Women, Tiruchengode, India, on August 25, 2023.
- Dr. Sriharipriya K C served as a session chair at APU Malaysia, Asia Pacific University of Technology and Innovation, Kuala Lumpur, Malaysia, on August 16, 2023.
- Dr. Dilip Kumar Choudhary delivered a lecture titled “Metamaterial Microwave Circuits for Wireless Communication” at EEMEET 2023, Vancouver, Canada, on August 14, 2023.

FACULTY

# ACHIEVEMENTS

## Guest Lectures Delivered

- Dr. Subhathirai S P delivered a lecture titled “Recent Advances on Cell-Culture Tools for (Metal) Nano-Drug Screening: Organ on Chip” at National Institute of Siddha, Chennai, India, on August 11, 2023.
- Dr. Kathirvelan J delivered a lecture titled “Introduction to Sensors and IoT” at VIT University, Vellore, India, on August 11, 2023.
- Dr. Sujatha R delivered a lecture titled “Recent Innovations in Intelligent Industrial IoT and Digital Transformation using ML Techniques” at Saveetha Institute of Medical and Technical Sciences (SIMATS), Chennai, India, on August 11, 2023.
- Dr. Rajkishor Kumar delivered a lecture titled “Programming for Problem Solving” at Vellore Institute of Technology, Vellore, India, on August 11, 2023.
- Dr. Saranya K.C delivered a lecture titled “Signal Processing in Engineering - IEEE Signal Processing Society” at VIT, Vellore, India, on August 10, 2023.
- Dr. Vinoth Babu K delivered a lecture titled “Undergraduate Research Opportunities” at Vellore Institute of Technology, Vellore, India, on August 10, 2023.
- Dr. Sivakumar R delivered a lecture titled “Biomedical Application” at VIT, Vellore, India, on August 9, 2023.
- Dr. Idrasen Singh delivered a lecture titled “Machine Learning for 5G/B5G Communication” at SR University Warangal, Warangal, India, on August 9, 2023.
- Dr. Sriharipriya K C delivered a lecture titled “Software Defined Radio” at JCT College of Engineering and Technology, Coimbatore, India, on August 5, 2023.
- Dr. Vinoth Babu K delivered a lecture titled “Python Plotting Tools” at Vellore Institute of Technology, Vellore, India, on August 4, 2023.
- Dr. Vinoth Babu K delivered a lecture titled “Python-File Handling (.csv files)” at Vellore Institute of Technology, Vellore, India, on August 3, 2023.
- Dr. Christina Josephine Malathi A delivered a lecture titled “Computer Programming: Python” at VIT, Vellore, India, on August 2, 2023.
- Dr. Konguvel Elango delivered a lecture titled “Python Programming Fundamentals” at Vellore Institute of Technology, Vellore, India, on August 2, 2023.
- Dr. Vinoth Babu K delivered a lecture titled “Python-Collections (Set and Dictionary)” at Vellore Institute of Technology, Vellore, India, on August 2, 2023.
- Dr. Poongundran Selvaprabhu delivered a lecture titled “Computer Programming: Python: ‘Loops and Control Statements’” at Vellore Institute of Technology, Vellore, India, on August 2, 2023.

## Guest Lectures Delivered

- Dr. Sivakumar R delivered a lecture titled “Medical Image Fusion using Stationary Wavelet Transform” at Advances in Computer Science and Engineering Technology, Guangzhou, China, on July 30, 2023.
- Dr. Kavitha K.V.N. delivered a lecture titled “Impact of Digital Modulation Techniques in Recent Wireless Communication Technologies” at Sri Manakula Vinayagar Engineering College, Puducherry, India, on July 28, 2023.
- Dr. Budhaditya Bhattacharyya delivered a lecture titled “Vision Towards Beyond 5G: Security and Vulnerability” at IEEE LMAG, Vellore, India, on July 27, 2023.
- Dr. Venugopal P delivered a lecture titled “AI for Cyber Physical Systems” at NIT Kurukshetra, Kurukshetra, India, on July 22, 2023..
- Dr. Renuga Devi S delivered a lecture titled “Criterion 6 Governance Leadership and Management and Student Satisfaction Survey” at VIT, Chennai, India, on July 21, 2023.
- Dr. Kavitha K.V.N. delivered a lecture titled “Frequency Response Analysis of CE and CS Amplifier” at Vellore Institute of Technology, Vellore, India, on July 20, 2023.
- Dr. Sathya P delivered a lecture titled “MOSFET Power Amplifiers” at Vellore Institute of Technology, Vellore, India, on July 20, 2023.
- Dr. Debashis Maji delivered a lecture titled “Development of Thick and Thin Film Sensors” at Vellore Institute of Technology, Vellore, India, on July 20, 2023.
- Dr. Sanjay Kumar Singh delivered a lecture titled “Role of Robotics in Academics and Industry 4.0 (RRAI)” at Vellore Institute of Technology, Vellore, India, on July 17, 2023.
- Dr. Rajesh R delivered a lecture titled “FDP on Analog Circuits” at VIT, Vellore, India, on July 17, 2023.
- Dr. Christina Josephine Malathi A delivered a lecture titled “Engineering Electromagnetics” at VIT, Vellore, India, on July 17, 2023.
- Dr. Kathirvelan J delivered a lecture titled “Sensors for Robotics & Automation and Embedded Systems” at VIT University, Vellore, India, on July 17, 2023.
- Dr. Budhaditya Bhattacharyya delivered a lecture titled “Hands-on Session in Simscape Tools” at VIT, Vellore, India, on July 17, 2023.
- Dr. Konguvel Elango delivered a lecture titled “VLSI Memory Design” at Mohamed Sathak A J College of Engineering, Chennai, India, on July 13, 2023.
- Dr. Ravi S delivered a lecture titled “Nanoelectronics (ICRAF MN – 2023)” at Manipal Institute of Technology, Bangalore, India, on July 12, 2023.
- Dr. Vijay Kumar delivered a lecture titled “Advanced Compact Antenna System for Radar Applications” at IIT Patna, Patna, India, on July 6, 2023.
- Dr. Pradheep T delivered a lecture titled “Physics and Performance Aspects of Integrated Circuits” at University of Madras, Chennai, India, on July 5, 2023.

# FACULTY ACHIEVEMENTS

## Honours and Awards

- Dr. Sivakumar R. received the “Samsung PRISM Program Recognition” from Samsung R&D on September 11, 2023.
- Dr. Sujatha R. received the “Best Oral Presentation” award at the United Research Forum Global Health Conference on August 25, 2023.
- Dr. Kittur Harish Mallikarjun received the “Certificate of Appreciation” from Samsung Prism on August 8, 2023.





# EVENTS

## Events Organized

The School of Electronics Engineering at VIT has been busy hosting a variety of events that encompass workshops, training programs, seminars, and more. These events are not only enriching for our students and faculty but also contribute to the growth of knowledge and expertise in the field of electronics.

- The Kokuru Mental Health Awareness Programme was organized from July 4, 2023, to July 8, 2023, coordinated by Dr. Sharmila N and Dr. Aarthi S.L.
- The Current Scope and Future Challenges in Electronics Engineering FDP was organized from September 20, 2023, to September 22, 2023, coordinated by Dr. Dilip Kumar Choudhary and Dr. Naveen Mishra.
- The Academics and Industry Applications Leveraging Image Processing Techniques (AIAIP) FDP was organized from September 19, 2023, to September 21, 2023, coordinated by Dr. Suraj Prakash Sahoo and Dr. Mohiul Islam.
- The Artificial Intelligence in Solving Real World Problems (Part - II) FDP was organized from September 11, 2023, to September 15, 2023, coordinated by Dr. Konguvel Elango and Dr. Saraswathi Priyadarshini A.
- The Recent Trends in Machine/Deep Learning for Computer Vision and Biomedical Applications FDP was organized from August 21, 2023, to August 23, 2023, coordinated by Dr. Nisha J S and Dr. Gopinath P.
- The B5G/6G Technologies for Wireless Communications FDP was organized from August 2, 2023, to August 4, 2023, coordinated by Dr. Idrasen Singh and Dr. Veerapu Goutham.
- The FDP on Computer Programming: Python (BCSE101E) was organized from August 2, 2023, to August 6, 2023, coordinated by Dr. Vinoth Babu K and Dr. Poongundran Selvaprabhu.
- The FDP on Sensor Technology was organized from July 19, 2023, to July 21, 2023, coordinated by Dr. Mythili A and Dr. Prakash R.
- The 3-Days Faculty Development Program on Signals and Systems (BECE202L) was organized from July 18, 2023, to July 20, 2023, coordinated by Dr. Kalaivani S and Dr. Ashish P.



# EVENTS

## Events Organized

- The FDP on Digital System Design was organized from July 17, 2023, to July 21, 2023, coordinated by Dr. Satheesh Kumar S and Dr. Sri Adibhatla Sridevi.
- The Role of Robotics in Academics and Industry 4.0 (RRAI) FDP was organized from July 17, 2023, to July 21, 2023, coordinated by Dr. Budhaditya Bhattacharyya and Dr. Mohiul Islam.
- The FDP on Analog Circuits (BECE206L/ BECE206P) was organized from July 17, 2023, to July 21, 2023, coordinated by Dr. Aarthi G and Dr. Kavitha K.V.N.
- The Kokoru - Mental Awareness Session was organized from July 4, 2023, to July 8, 2023, coordinated by Dr. Sharmila N and Dr. Aarthi S.L.
- Connecting IIC-ATAL Tinkering Labs at Swami Vivekananda School, Serkadu, Vellore was organized on August 24, 2023, coordinated by Dr. Sundar S and Dr. Vidhya S.
- The Exposure Visit for School Students and Teachers was organized on August 2, 2023, coordinated by Dr. Sujatha R, Dr. Sasikumar P, and Dr. Padmini T N.
- The One Day Workshop and Brainstorming Session on 'Establishing a Pathway to VIT Research Excellence' was organized on September 26, 2023, coordinated by Dr. Sasikumar P and Dr. Arulmozhivarman P.
- A National Workshop on How to Plan for Start-Up and Legal & Ethical Steps was organized on August 30, 2023, coordinated by Dr. Sundar S and Dr. Mageshvaran R.
- The Redundancy Protocols for Internetworking Workshop was organized on August 26, 2023, coordinated by Dr. Venugopal P and Dr. Venkata Ravi Kumar



## TOP PUBLICATIONS (IF)

- COVID-19 clinical waste reuse: A triboelectric touch sensor for IoT-cloud supported smart hand sanitizer dispenser, Basith S.A., Chandrasekhar A., Nano Energy, Vol:108, DOI: 10.1016/j.nanoen.2023.108183, IF = 16.8
- Sucrose assisted chemical-free synthesis of rGO for triboelectric nanogenerator: Green energy source for smart-water dispenser, Muktar Ahmed R.F.S., Mohan S.B., Ankanathappa S.M., Shivanna M., Basith S.A., Chandrashekara Shastry M.H., Chandrasekhar A., Sannathammegowda K., Nano Energy, Vol:106, DOI: 10.1016/j.nanoen.2022.108085, IF = 16.8
- A graphene oxide decorated BZT-CNF composite through hybrid microwave processing: an advanced multifunctional material for superior microwave shielding applications, Parhi C.C., Thirumalasetty A.B., James A.R., Choukiker Y.K., Wuppulluri M., Journal of Materials Chemistry A, DOI: 10.1039/d3ta06292a, IF = 10.7
- Marriage between metal-organic frameworks/covalent-organic frameworks and triboelectric nanogenerator for energy harvesting ?A review, P K N.; Chandrasekhar A., Materials Today Energy, Vol:37, DOI: 10.1016/j.mtener.2023.101393, IF = 9
- Developing novel channel estimation and hybrid precoding in millimeter-wave communication system using heuristic-based deep learning, G N.R., Ravikumar C.V., Energy, Vol:268, DOI: 10.1016/j.energy.2022.126600, IF = 9
- Ti<sub>3</sub>AlC<sub>2</sub> MAX phase and Ti<sub>3</sub>C<sub>2</sub>TX MXene-based composites towards supercapacitor applications: A comprehensive review of synthesis, recent progress, and challenges, Kewate O.J.; Punniyakoti S., Journal of Energy Storage, Vol:72, DOI: 10.1016/j.est.2023.108501, IF = 8.9
- Deep convolution neural network based semantic segmentation for ocean eddy detection, Saida S.J., Sahoo S.P., Ari S., Expert Systems with Applications, Vol:219, DOI: 10.1016/j.eswa.2023.119646, IF = 7.5
- L-shaped geometry-based pattern descriptor serving shape retrieval, Priyanka S., Oliva D., Mallikarjuna K., Sudhakar M.S., Expert Systems with Applications, Vol:213, DOI: 10.1016/j.eswa.2022.119260, IF = 7.5
- Adaptive Bezier Curve-based Membership Function formulation scheme for Interpretable Edge Detection, Madhu C., Sudhakar M.S., Applied Soft Computing, Vol:133, DOI: 10.1016/j.asoc.2022.109968, IF = 7.2
- A Novel Single Capacitor-Based T-Type Bidirectional Converter with Buck-Boost Capabilities, Gautam S.P.; Barwar M.K.; Sahu L.K.; Agrawal N.; Kumar M.R.; Muttaqi K., IEEE Transactions on Power Electronics, Pg.No:(1-10), DOI: 10.1109/TPEL.2023.3307613, IF = 6.6
- Synergistic Effect of Dual Surface Modified Ecoflex Polymer for Dynamic Triboelectric Nanogenerator Towards Sustainable Battery-Free Tally Counter, Basith S.A.; Chandrasekhar A., Advanced Materials Technologies, DOI: 10.1002/admt.202300495, IF = 6.4

## TOP PUBLICATIONS (IF)

- Breast cancer diagnosis through knowledge distillation of Swin transformer-based teacher-student models, Kolla B., Venugopal P., Machine Learning: Science and Technology, Vol:4, Issue: 4, DOI: 10.1088/2632-2153/ad10cc, IF = 6.3
- Energy balanced reliable and effective clustering for underwater wireless sensor networks, Kaveripakam S.; Chinthaginjala R., Alexandria Engineering Journal, Vol:77, Pg.No:(41-62), DOI: 10.1016/j.aej.2023.06.083, IF = 6.2
- A novel approach for brain tissue segmentation and classification in infants' MRI images based on seeded region growing, foster corner detection theory, and sparse autoencoder, Hrishikesh Jaware T.; Ramesh Patil V.; Nayak C.; Elmasri A.; Ali N.; Mishra P., Alexandria Engineering Journal, Vol:76, Pg.No:(289-305), DOI: 10.1016/j.aej.2023.06.040, IF = 6.2
- Clustering-based dragonfly optimization algorithm for underwater wireless sensor networks, Kaveripakam S.; Chinthaginjala R., Alexandria Engineering Journal, Vol:81, Pg.No:(580-598), DOI: 10.1016/j.aej.2023.09.047, IF = 6.2
- Bandwidth enhancement of substrate integrated waveguide cavity-backed half bow-tie complementary-ring slot antenna for Ku-band applications, Patil S.M.; Venkatesan R., Alexandria Engineering Journal, Vol:81, Pg.No:(46-54), DOI: 10.1016/j.aej.2023.08.082, IF = 6.2
- Dingo optimization influenced arithmetic optimization ? Clustering and localization algorithm for underwater acoustic sensor networks, Kaveripakam S.; Chinthaginjala R.; Naik C.; Pau G.; Ab Wahab M.N.; Akbar M.F.; Dhanamjayulu C., Alexandria Engineering Journal, Vol:85, Pg.No:(60-71), DOI: 10.1016/j.aej.2023.11.025, IF = 6.2
- Revolutionizing Intelligent Transportation Systems with Cellular Vehicle-to-Everything (C-V2X) technology: Current trends, use cases, emerging technologies, standardization bodies, industry analytics and future directions, R D.K.; A R., Vehicular Communications, Vol:43, DOI: 10.1016/j.vehcom.2023.100638, IF = 5.8
- Clitoria ternatea flower extract: Biopolymer composite-based triboelectric nanogenerator as a self-powered smart counter, Ahmed R.F.S.M.; Swamy S.K.K.; Chandrasekhar G.S.; Ankanathappa S.M.; Chandrasekhar A.; Sannathammegowda K., Surfaces and Interfaces, Vol:42, DOI: 10.1016/j.surfin.2023.103369, IF = 5.7

# PATENTS

1. Title: Flexible and Stretchable Double Surface Modified Ecoflex Polymer for Self-Powered Tally Counter Applications

Inventors: Arunkumar Chandrasekhar, Sayyid Abdul Basith

Date of Filing: 26-09-2023

Status: Published

2. Title: Momentary Push Button Based Finger Rehabilitation Device and Method

Inventors: Kishor Lakshminarayanan, Vadivelan R

Date of Filing: 01-09-2023

Status: Published

## SPONSORED PROJECTS

Prof. Kathirvelan J

Type: Co-PI (Co-Principal Investigator)

Project Title: Concerted Approach to Diagnose and Manage Anemia through Development of Cost-Effective Point of Care Devices

Funding Agency: Department of Science and Technology (DST)

Agency Type: Government

Sanction Date: July 28, 2023

Sanction Amount: ₹27,28,401



Prof. Sasikumar P

Type: Co-PI (Co-Principal Investigator)

Project Title: IoT Forensics for Detecting and Tracking Construction Material

Funding Agency: Building and Construction Authority (BACC)

Agency Type: Government

Sanction Date: July 27, 2023

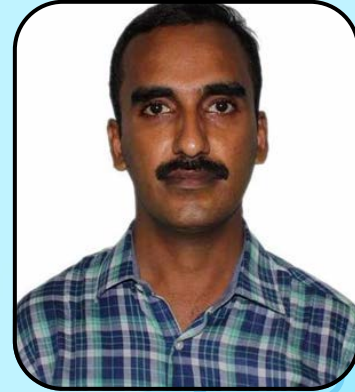
Sanction Amount: ₹28,37,900



## CONSULTANCY PROJECTS

Prof. Suresh Kumar T R  
Prof. Zachariah C Alex  
Prof. Shambavi K  
Type: PI & Co-PI  
(Principal Investigator)  
(CO -Principal Investigator)

Project Title: Design and  
Development of Test Method for  
Shielding Effectiveness  
Measurement of Glass Samples  
Funding Agency: Saint Gobain India  
Private Limited, India  
Agency Type: Private  
Sanction Date: September 6, 2023  
Sanction Amount: Rs. 2,16,000  
Project Duration: September 6,  
2023 - September 5, 2024



Prof. Kathirvelan J  
Type: PI(Principal Investigator)  
Project Title: Technical Consultant  
for PD & E and COE  
Funding Agency: SKF India Ltd,  
India  
Agency Type: Private  
Sanction Date: September 5, 2023  
Sanction Amount: Rs. 3,54,000  
Project Duration: September 5,  
2023 - March 5, 2024



# EDITORIAL BOARD

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- Om Golechha (22BEC0549)

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