



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

School of Electrical and Communication Department of Electrical and Electronics Engineering

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News Bite

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Founders



Col. Prof. Dr. Vel R. Rangarajan
*B.E. (Elec), B.E. (Mech), M.S. (Auto), D.Sc.,
Founder President & Chancellor*



Dr. Sagunthala Rangarajan
*M.B.B.S.,
Foundress President*



LEADERSHIP



Dr. Rangarajan Mahalakshmi Kishore
Chairperson & Managing Trustee

I am delighted to see the Department of Electrical and Electronics Engineering bring out this vibrant edition of News Bite. This newsletter reflects the academic excellence, research endeavours, and innovative spirit that define our university. As technology rapidly evolves, I encourage everyone to continuously push boundaries, cultivate a mindset of lifelong learning, and apply technical knowledge to solve real-world challenges. I congratulate the editorial team and the entire EEE department for their dedicated efforts in showcasing our collective achievements and vision.

Wishing you all continued success and growth!



LEADERSHIP



Prof. Dr. S. Salivahanan
Vice Chancellor

It gives me immense pride to present the latest edition of News Bite, showcasing the exceptional academic and research milestones of the EEE Department. In a rapidly evolving technological landscape, our commitment continues to center on cultivating critical thinking, research excellence, and sustainable innovation. I extend my heartiest congratulations to the faculty, students, and editorial team for their stellar contributions in bringing this publication to life



Prof. Dr. E. Kannan
Registrar

I warmly congratulate the EEE Department on launching this insightful edition of News Bite. This platform beautifully captures the dynamic activities, student achievements and administrative excellence of the department. I wish the EEE team continued success in inspiring our academic community through such meaningful initiatives.



LEADERSHIP



Dr. V. Jayasankar
Prof. & Dean-SoEC

It is a moment of great pride as the EEE Department releases this new edition of News Bite, capturing our proudest academic and research accomplishments. Driven by a passion for continuous advancement, we focus on empowering inquisitive minds and championing sustainable innovation. I commend the faculty, students, and editorial committee for their outstanding work in assembling this publication.



Dr. P. Chandrasekar
Professor & HoD

I take great pride in sharing another vibrant edition of News Bite, reflecting our department's ongoing pursuit of academic rigor and research excellence. As technology continues to transform our world, we remain dedicated to inspiring critical inquiry and pioneering sustainable engineering solutions. My sincere congratulations go out to our dedicated faculty, talented students, and the editorial team for their creative effort and commitment.

VISION OF THE DEPARTMENT

To provide intellectual curiosity in the field of Electrical and Electronics engineering that produces skilled interdisciplinary engineers to serve the society

MISSION OF THE DEPARTMENT

- M1: To inculcate knowledge among the students through comprehensive curriculum.**
- M2: To enrich the academic experience in terms of flexibility, teamwork, design skills, practice and industrial trainings.**
- M3: To produce competent graduates suitable for a successful career in Industry and Research.**

PROGRAMME EDUCATIONAL OBJECTIVE

- PEO1: Design and analyse electrical and electronic systems by applying the knowledge of mathematics and engineering.**
- PEO2: Provide practical solution to multidisciplinary societal problems through innovative ideas.**
- PEO3: Secure positions and continue as valued, creative and proficient employees in a wide variety of fields and industries for a rewarding career.**

PROGRAMME SPECIFIC OUTCOME

- PSO1: Apply fundamental of mathematics, physical sciences and Electrical & Electronics engineering to analyze and solve complex real-world problems.**
- PSO2: Design, develop and implement Electrical, Electronics and Allied engineering systems to meet the demands of industry and suggest solutions for social needs.**



Hands on Workshop: DIY series Transformer Making

The Department of EEE organized hands-on workshop titled “DIY Series: Transformer Making” on 28th March 2023. The workshop provided students with practical exposure to transformer design and construction. Participants learned about transformer components, winding techniques, and basic operating principles. The hands-on activities enhanced students’ technical knowledge and practical skills. The programme encouraged experiential learning and innovation in electrical engineering.

Impact of the program

The workshop enhanced students’ practical knowledge of transformer construction and operation. It improved their understanding of transformer components and winding techniques. The hands-on activities strengthened technical skills and problem-solving abilities. The programme encouraged experiential learning and innovation in electrical engineering.



Event benefits

- Gained practical knowledge of transformer construction and working principles. Understood the functions of different transformer components.
- Developed hands-on skills in transformer winding and assembly. Improved technical competency through practical activities.
- Enhanced problem-solving and troubleshooting abilities. Learned to identify basic issues in transformer construction.
- Encouraged innovation and experiential learning in electrical engineering. Bridged the gap between theoretical concepts and practical applications.
- Promoted teamwork and collaboration through hands-on activities. Encouraged students to share ideas and learn from practical experiences.



INSTITUTE-INDUSTRY INTERACTION

The Department actively organised various industry interaction programmes in collaboration with reputed industries. These interactions provided students with valuable exposure to current industrial practices, technologies, and trends. Industry experts delivered guest lectures, technical sessions, workshops, and career-oriented programmes. Such initiatives helped students understand industry expectations and develop relevant technical and professional skills. The Department continues to strengthen industry–academia collaboration for enhanced student learning and employability.



HIGHER LEARNING INSTITUTE INTERACTION

The Department actively organised various higher learning institute interaction programmes in support with reputed institutes.

- Prof. Dr. Sheldon Williamson, Ontario Tech University, Canada - Smart Grid Communication Security and Electrical Energy Storage Systems.
- Prof. Dr. Hee Young Youn, Sungkyunkwan University, South Korea - Introduction to IoT and Applications.
- Prof. Dr. Javed Choudhury, La Trobe University, Australia - Smart Grid Communication Security.

The sessions focused on emerging technologies, smart grid security, energy storage, and IoT applications.



Prof. Dr. Sheldon Williamson,
Ontario Tech University,
Canada



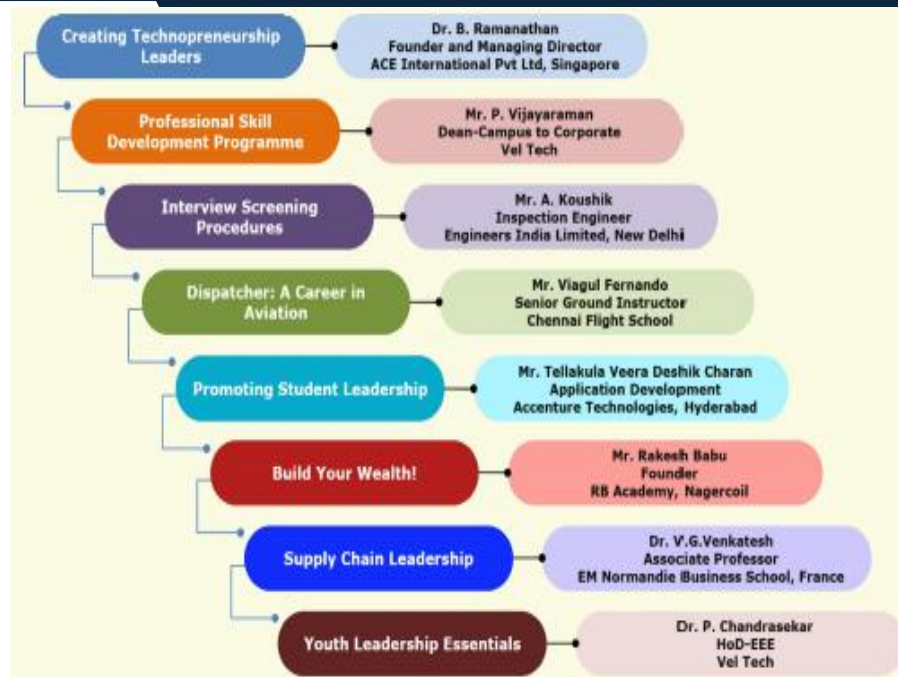
Prof. Dr. Hee Young Youn
Sungkyunkwan University,
South Korea



Prof. Dr. Javed Choudhury
La Trobe University,
Australia

Skill Development and Personality Enhancement Programmes

The department of Electrical and Electronics Engineering (EEE) organised various skill development and personality enhancement programmes for students, conducted by experienced experts and professionals. These programmes focused on strengthening students' technical, communication, leadership, and interpersonal skills, thereby enhancing their overall personality and employability.



STUDENT PUBLICATION

Student publications refer to research papers, technical articles, conference papers, book chapters, and innovative project findings in the field of Electrical and Electronics Engineering. 8 students have actively contributed to research and published technical papers. The Department continues to encourage students to engage in research, publications, and professional academic activities.



STUDENT ACCOMPLISHMENTS

P.V.V.N. Satyanarayana participated in the state-level Project Expo – DIODZ 2023 Technical Symposium organized by SIMATS Engineering. The event was held on 10 March 2023, providing an opportunity to showcase technical knowledge and project skills.

N. Revanth Kumar participated in the international-level project competition at Kurukshetra'23 – Technovation, organized by the College of Engineering, Guindy. The event was held from 18th to 21st April 2023, providing an opportunity to showcase technical skills and innovative ideas.

Aswin Kumar participated in the international-level project competition at Kurukshetra'23 – Technovation, organized by the College of Engineering, Guindy. The event was held from 18th to 21st April 2023, providing an platform for innovative project ideas.

N. Revanth Kumar participated in the international-level Workshop on Energy Conversion and Storage (IECS-2023), organized by IIT Madras from 18th to 20th January 2023..

HIGHER STUDY

The department encourages students to pursue higher studies in reputed institutions in India and abroad. Further, The Department provides guidance and mentorship to help students prepare for competitive examinations and secure admissions to prestigious universities.

S. No	ID No	Name of the Student	Graduating Year	Name and address of the Institution opted for Higher Studies	Programme Chosen
1	VTU14771	PASUPULETI SAI DEEPAK	2022	NIT	M.Tech-Smart Electric Grid
2	VTU14439	NAMBURI VAMSI KRISHNA	2022	VIT, VELLORE	M.Tech-VLSI
3	VTU11069	VENKATA SAI THIRUMALA NAIDU	2022	University of CINCINNATI, USA	M.S-Information Technology
4	VTU12537	VAMSHI KRISHNA POOSALA	2022	UMSL GRADUATE SCHOOL	MS-Information System and Technology
5	VTU14531	G MUNEEER BABA	2022	University of GREENWICH	M.Sc-Electrical power engineering with industrial practice
6	VTU11013	PRETHI GUNDRE	2022	Kent State University Ohio	Master in Business Analytics and Entrepreneurship



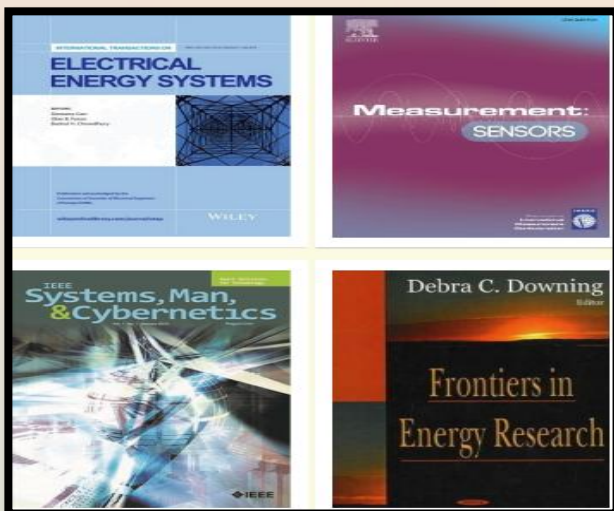
Faculty members of the department have been awarded for actively contributing to academic innovation and publishing research papers

FACULTY ACCOMPLISHMENT



Faculty members of the Department have made significant contributions to research and academic publications during the academic year. A total of 37 research papers were published in reputed journals.

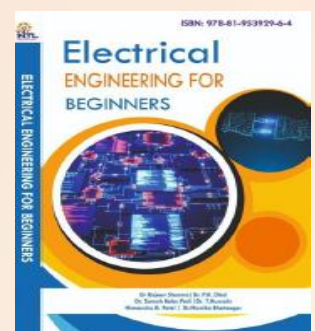
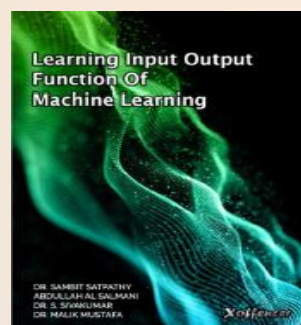
In addition, faculty members contributed 2 book chapters to academic and research publications. They also presented their research findings at 7 IEEE conferences. These achievements reflect the Department's strong commitment to research, innovation, and academic excellence.



FACULTY PUBLICATION

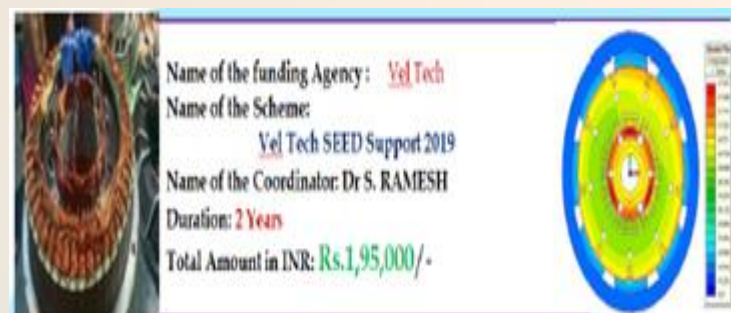
Faculty members of the department have actively contributed to academic innovation and publishing several textbooks in emerging areas of technology.

Dr. S. Sivakumar published a book titled as Learning input and output function of machine learning with Xoffencer published house, similarly, Dr. P.K. Dhal Sivakumar published two books titled as Switchgear and Protection-Basics and Electrical Engineering For Beginners in Indo-Continental Academic Publishers, India and Ntl Technology Publishers, respectively.



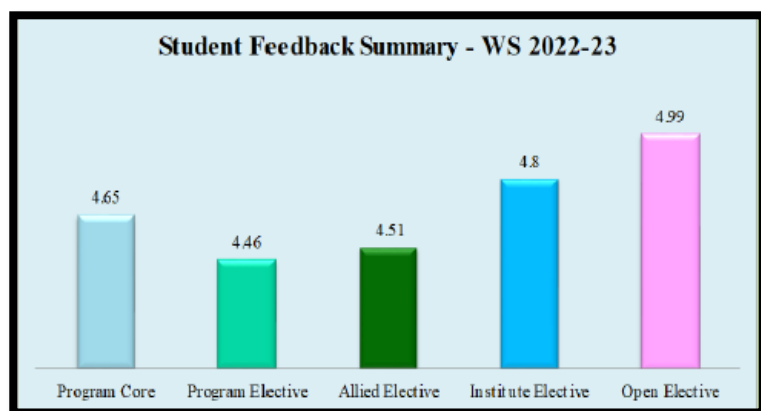
FUNDING PROJECT

Name of the funding Agency: **AICTE**
Name of the Scheme:
Skill and personality Development Program
centre for SC/ST students
Name of the Coordinator: **Dr P. CHANDRASEKAR**
Duration: **3 Years**
Total Amount in INR: **Rs.12,83,400/-**



STUDENT FEEDBACKS

The Department has received highly positive feedback from students across various categories in both summer and winter semester. The feedback reflects the students' overall satisfaction with the academic and learning environment. All the core and elective courses have secured an average feedback score of more than 4.5 out of 5. These encouraging results highlight the Department's commitment to continuous improvement and academic excellence.



Ms. T. Sree Mythili, a student of the 2018-2022 batch, shared her journey and experiences. She expressed her sincere gratitude to the Department of Electrical and Electronics Engineering and Vel Tech University for providing her with continuous guidance, encouragement, and opportunities to develop her skills and achieve her goals. She acknowledged the support of the faculty members and the university in shaping her knowledge, confidence, and career.

Youtubelink:

<https://www.youtube.com/watch?v=J7m1AhEqyIQ>



PLACEMENTS

The Department actively supports students through dedicated placement training. These initiatives enhance students' employability and prepare them to successfully pursue opportunities in reputed organisations.



8.4 LPA
MAXIMUM SALARY

5.4 LPA
AVERAGE SALARY

3 LPA
MINIMUM SALARY



**SCHOOL OF ELECTRICAL AND COMMUNICATION
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

BATCH	TOTAL NO STUDENTS	OPTED	PLACED	%
2019-2023	63	39	39	100
2018-2022	47	39	39	100
2017-2021	41	28	28	100
2016-2020	29	23	23	100
2015-2019	31	13	13	100

PLACEMENTS & COUNTS



**Triple Offer : 05
Double offer : 38
Single offer : 99**

1800 212 7669

www.veltech.edu.in



**SCHOOL OF ELECTRICAL & COMMUNICATION
DEPARTMENT OF EEE**

Hearty congratulations

1. SAI SATHVIKA- VTU 15039
2. GAURAV KUMAR- VTU 15945
3. UTSAV KUMAR- VTU 13976
4. RAHUL BHAGAT- VTU 15476
5. GUTAM MAHESH- VTU 15922

Batch- 2019-23

**CTC-
3 LPA**

We are pleased to announce that our student has been selected by



EDITORIAL BOARD

FACULTY TEAM

Dr. P. Chandrasekar
Professor & HOD

STUDENTS TEAM

Abhishek Kumar
(VTU19765)
K.Guhan
(VTU20248)

