



Vel Tech

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



School of Electrical and Communication

**Department of
Electrical and
Electronics Engineering**



**ANNUAL
REPORT**

2023-2024

Foreword



**Col. Prof. Vel. Dr. R. Rangarajan Founder
President & Chancellor**



**Dr. Mrs. Sagunthala Rangarajan
Foundress President**

Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology has been on the path of delivering quality education by developing the young vibrant student fraternity with ethical and moral values, while boosting their research culture and innovative technical skills.

Our infrastructure is vast with well-equipped laboratories, highly qualified and motivated faculty, who work with commitment and dedication for the cause of education and research. At Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology , research and innovation are regarded as pillars of our success. Most of the faculty members are involved in academic activities, research publications and Intellectual Property Rights.

We deeply appreciate that the Department of Electrical and Electronics Engineering has brought the annual report for the academic year 2023-24 highlighting the faculty and student accomplishments, funded projects and industry interactions etc. Updating with recent trends in technology is very important in the life of an educationalist and all are supported as well as encouraged in the department.

We congratulate all the faculty members and students of the Department of EEE for their worthy efforts and wish them the very best in all imminent endeavors.

Foreword

Mrs. Rangarajan Mahalakshmi Kishore
Chairperson & Managing Trustee



It is with much delight that I pen down a few words about annual report of the Electrical and Electronics Engineering department for the academic year 2023-24. I am very happy to witness the achievements of the faculty members and students in various academic and research activities.

I congratulate the entire team for the smart work they have put forth to stretch this annual report accomplishments to its much-needed color and vigor. It brings me great pleasure to commend the department for turning out talented-driven, and innovative engineers whom the society needs to meet new and challenging issues. My best wishes go out to everyone who had contributed and looking forward to another year of success.

Foreword

Prof. Dr. S. Salivahanan
Vice Chancellor

Vel Tech Rangarajan
Dr.Sagunthala R&D Institute of
Science and Technology



Dear Faculty, Staff, and Students,

It is a matter of great pride to reflect on the achievements of our Department of Electrical and Electronics Engineering over the past year. Our dedicated faculty have continued to excel in teaching, research and mentorship, while our students have demonstrated remarkable talent, creativity and innovation.

The department has made significant progress in research, technological advancements, and sustainable development. We have also encouraged students to participate in technical events, workshops, and extracurricular activities to enhance their knowledge, skills and professional growth.

I sincerely thank every member for their valuable contributions and commitment to excellence. Let us continue working together to embrace new opportunities, overcome challenges, and achieve greater heights. Together, we can strengthen our department and build a brighter, more sustainable future.

Message from Dean's Desk

Prof. Dr. R.S. Valarmathi
Dean – School of Electrical
and Communication



Dear Colleagues, Friends, and Supporters,

I am pleased to extend a warm welcome to you all as we present the Annual Report of the department of EEE for the academic year 2023-24. As the Dean of this esteemed school, it is my privilege to offer you a glimpse into the remarkable journey and achievements we have embarked upon in the past year. The School of Electrical and Communication has always been at the forefront of pioneering research, innovation, and education in the fields of electrical and electronics engineering, electronics and communication engineering, Biomedical Engineering and Bio-technology and related inter-disciplines. This report serves as a testament to our unwavering commitment to excellence and progress in these domains.

Throughout academic year 2023-24, we have seen our faculty, students, and staff rise to new heights, surpassing boundaries, and making significant contributions to both academia and industry. The pages of this report will take you on a journey through our groundbreaking research projects, collaborative initiatives, academic programs, and community engagement efforts. Our faculty members have continued to push the boundaries of knowledge, producing cutting-edge research that has the potential to reshape industries and improve the quality of life for people around the world. Our students, the future leaders of our fields, have demonstrated exceptional dedication and creativity, leaving an indelible mark on our school and society.

The School of Electrical and Communication is committed to advancing the frontiers of knowledge, nurturing the talents of our students, and serving as a beacon of excellence in our field. I invite you to explore the contents of this report and gain a deeper understanding of the transformative work that has taken place within our school. Together, we can continue to push the boundaries of innovation and education in electrical and electronics engineering. Thank you for your continued trust and support as we embark on another year of progress and growth. I am confident that the School of Electrical and Communication will continue to lead the way in shaping the future of our disciplines.

MESSAGE FROM THE DEPARTMENT HEAD - EEE

Dr.S.Ramesh
HoD & Professor
Department of Electrical and
Electronics Engineering



Dear Esteemed Colleagues, Stakeholders, and Friends,

It is with great pleasure and a deep sense of pride that I present the Annual Report of the Department of Electrical and Electronics Engineering for the academic year 2023-24. As the Head of this department, it is my distinct honor to present this comprehensive overview of our achievements, progress, and endeavors over the past year.

Our department has always strived for excellence in research, education, and innovation, and I am thrilled to report that academic year 2023-24 has been another remarkable year for us. We have continued to push the boundaries of knowledge in electrical and electronics engineering, while also making a meaningful impact on society through our work.

In this report, you will find detailed insights into our research initiatives, collaborations, academic programs, and community engagement efforts. Our dedicated faculty members, talented students, and committed staff have collectively contributed to our department's success, and their hard work and dedication shine through the accomplishments we've achieved.

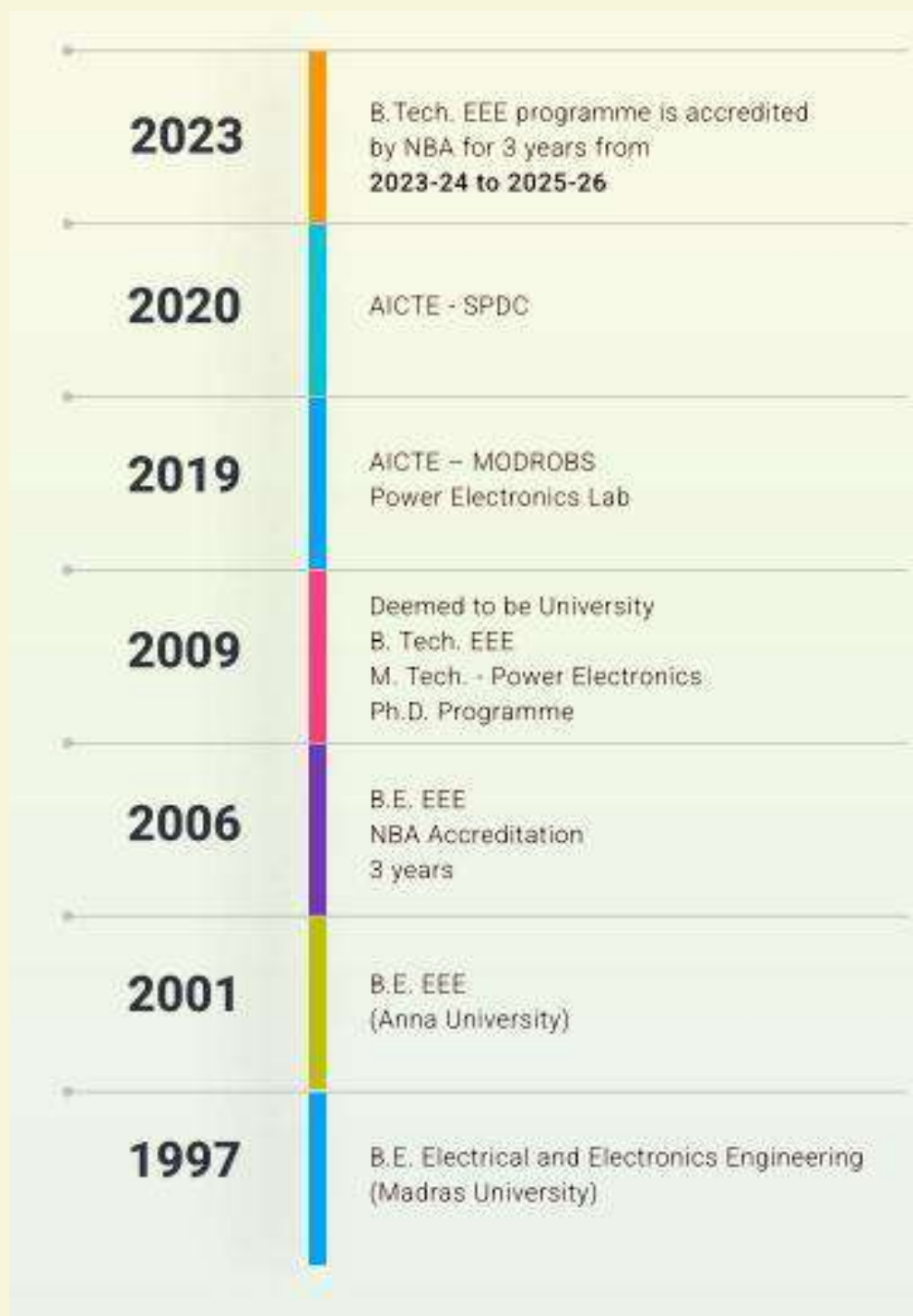
I want to express my heartfelt gratitude to all our faculty members, students, staff, alumni, industry partners, and supporters who have played a pivotal role in our department's continued growth and success. Your unwavering support and collaboration have been instrumental in our journey, and I look forward to our continued partnership in the years to come.

I encourage you to delve into the pages of this report to gain a deeper understanding of the remarkable work that has taken place within our department. Together, we can look forward to an even brighter future filled with groundbreaking research, transformative education, and meaningful contributions to the field of electrical engineering..

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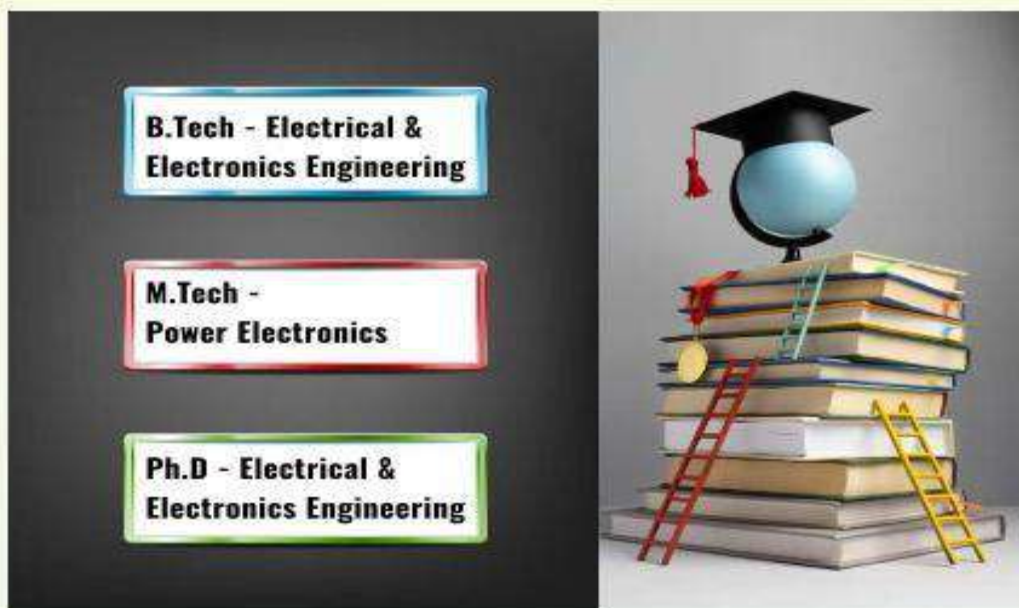
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Department Timeline



The department of Electrical and Electronics Engineering has been started in the year 1997. The department offers B.Tech.-Electrical and Electronics Engineering (EEE), B.Tech Electrical and Electronics Engineering with Specialization in Computer systems, M.Tech. -Power Electronics and Ph.D. programmes. The B.Tech. EEE program has been accredited by National Board of Accreditation (NBA) under Tier-I category for three academic years from 2023-24 to 2025-26. The department has been strengthened by its passionate and research focused faculty members from reputed universities in India. Faculty members having wide range of specializations include Power Systems Engineering, Power Electronics & Drives, Embedded System, VLSI Design and Energy Engineering. The department has well equipped laboratories and state of the art facilities for research and development. The key areas of academic research are Electric Vehicle, Smart Grid, Battery Management System, Industrial Drives, Industrial Automation and Renewable Energy systems. The students of our department are involved in nationally significant projects namely SIH, small satellite projects in collaboration with international industries in France, Germany etc. The faculty and students have won awards from KASA, Korea Creative Technology Award, L&T Techgium Best Innovator Award. The department is having 53 active MoUs with CDAC, ARAI, NIWE, Kwaliti Photonics Ltd etc

Programmes Approved by AICTE



VISION

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



MISSION

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 OBJECTIVES (PEOs)

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 OUTCOMES (POs)

Engineering Graduates will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

PROGRAM SPECIFIC OUTCOMES (PSOs)

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.



B.Tech - Electrical and Electronics Engineering

SPECIALIZATION IN COMPUTER SYSTEMS

COMPUTER SYSTEMS SPECIALIZATION COURSES – 18 CREDITS



Computer
Architecture

Credits - 3

Operating
Systems

Credits - 3

Object Oriented
Programming

Credits - 3

Data Structures
and Algorithms

Credits - 3

Computer Networks
and Communication

Credits - 3

Artificial
Intelligence

Credits - 3

B.Tech. – EEE with Specialization in Electric Vehicles

List of Courses for 18 Credits

B.Tech. – EEE with Specialization in Electric Vehicles

List of Courses for 18 Credits*

Sl.No.	Course Code	Course Name	L	T	P	C
1	10212EE111	Principles of EV Technology	3	0	0	3
2	10212EE112	EV Drives and Control	3	0	0	3
3	10212EE113	Energy Storage Systems	3	0	0	3
4	10212EE114	EV Charging Station	3	0	0	3
5	10212EE205	EV Modelling and Simulation	2	0	2	3

MINOR DEGREE IN ELECTRIC VEHICLE TECHNOLOGIES

ELECTRIC VEHICLE TECHNOLOGY (MINOR) COURSES – 18 CREDITS

S. No.	Lecture Courses	Credits
1	Charging Station	3
2	Battery Management System	3
3	Electric Propulsion System and Control	3
4	Hybrid Electric Vehicle Technologies	3
5	Energy Storage Systems and Control	3
6	Modelling and Simulation of EV	3

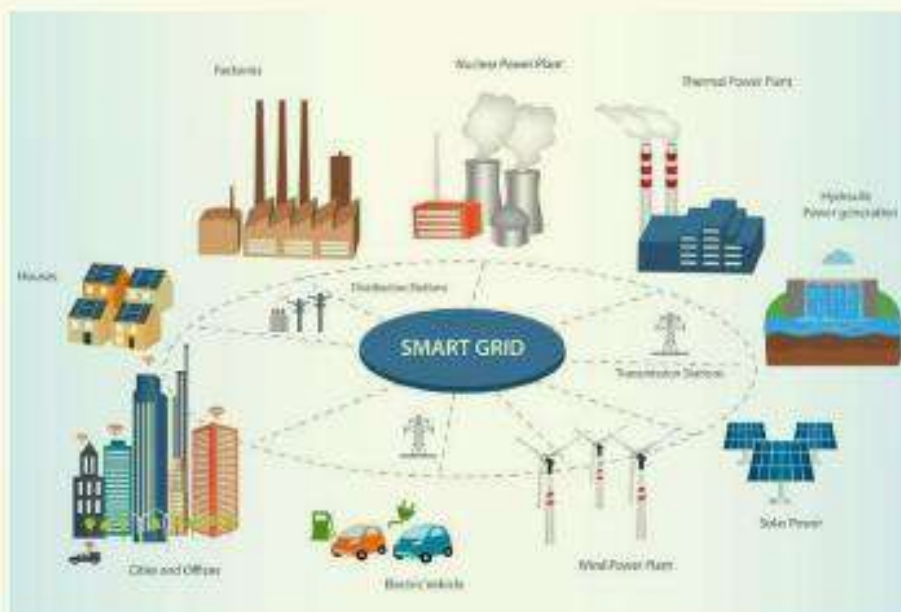
MINOR DEGREE IN RENEWABLE ENERGY SOURCES

RENEWABLE ENERGY SOURCES (MINOR) COURSES – 18 CREDITS

S. No.	Lecture Courses	Credits
1	Renewable Energy	3
2	Wind Energy Conversion Systems	3
3	Solar Photovoltaics: Fundamentals, Technology and Applications	3
4	Climate Change and Carbon Trading	3
5	Conversion of Energy in Buildings	3
6	Solar Thermal Energy Systems	3
7	Advanced Renewable Energy Technologies	3
8	Distributed Generation and Integration of Renewable Energy with Grid	3
9	Wind Energy Technology – Design	3
10	Utilization of Solar Thermal Energy	3

B.Tech - Electrical and Electronics Engineering

Honors in Smart Grid Technologies



SMART GRID TECHNOLOGIES (HONORS) COURSES – 18 CREDITS

S. No.	Lecture Courses	Credits
1	Smart Grid	3
2	Energy Audit and Conservation	3
3	Power Quality	3
4	Energy Management and SCADA	3
5	Power System Restructuring	3
6	Distributed Generation and Micro Grid	3
7	Big Data Analytics and Cloud Computing	3
8	IoT Applications in Smart Grid	3
9	AI for Smart Grid Systems	3
10	Cyber Security	3



Elective Courses offered

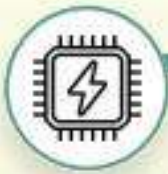


Programme Elective (PE) Courses List of Courses for 18 Credits



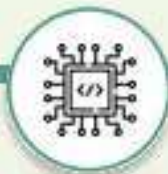
Power Systems Domain

- 1 Power Quality Engineering
- 2 High Voltage Engineering
- 3 Advances in Power System
- 4 Power Plant Engineering
- 5 High Voltage Direct Current Transmission
- 6 Load Forecasting and Generation Forecasting
- 7 Load Dispatching
- 8 Power Management Reactive
- 9 Smart Grid



Power Electronics & Drives Domain

- 1 LED Lighting Technology
- 2 Flexible AC Transmission Systems
- 3 Modern Power Converters
- 4 Automotive Electrical & Electronics Systems
- 5 Fundamentals of Electric and Hybrid Vehicles
- 6 Special Electrical Machines
- 7 Electromagnetic Interference & Compatibility
- 8 Solid State Drives



Embedded Systems Domain

- 1 Principles of Robotics
- 2 Embedded Systems
- 3 Control of Electric Embedded Drives
- 4 VLSI System & Design
- 5 Wearable Electronics



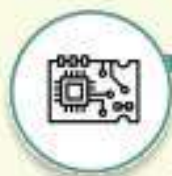
Instrumentation & Control Domain

- 1 Virtual Instrumentation
- 2 Digital Control Systems
- 3 Introduction to Nonlinear Dynamical Systems
- 4 Discrete Time Signal Processing
- 5 Signals and Systems
- 6 Soft Computing
- 7 Bio Medical Instrumentation
- 8 Process Automation



Energy Domain

- 1 Utilization of Electrical Energy
- 2 Energy Auditing and Management
- 3 Electrical Safety & Safety Management
- 4 Renewable Energy Sources
- 5 Solar Electric Systems
- 6 Wind Energy Conversion Systems
- 7 Generation Planning
- 8 Solar Photovoltaic Systems



Electronics Domain

- 1 Nano Electronics
- 2 Green Electronics
- 3 Automotive Electronics
- 4 Vehicle Electronics
- 5 Optoelectronic Devices
- 6 Electronic Circuit Simulation and PCB Design
- 7 Medical Electronics



Integrated Courses

- 1 Applied Soft Computing
- 2 Switch Mode Power Supply Design and Development
- 3 Electrical Machines (only for lateral entry students)



Laboratory Course

- 1 Voltage Stabilizer Fabrication



Open Elective Courses

List of Courses for 12 Credits



Lecture Courses

- 1 Bio Medical Instrumentation
- 2 Power Supply Quality
- 3 Transducers And Sensors
- 4 Renewable Energy Systems
- 5 Electrical Machines
- 6 Green Energy Resources
- 7 Electrical Safety and Safety Management

Laboratory Courses

- 1 Voltage Stabilizer Fabrication

INFRASTRUCTURE



1. Electrical Machines Laboratory

Name of the Equipments

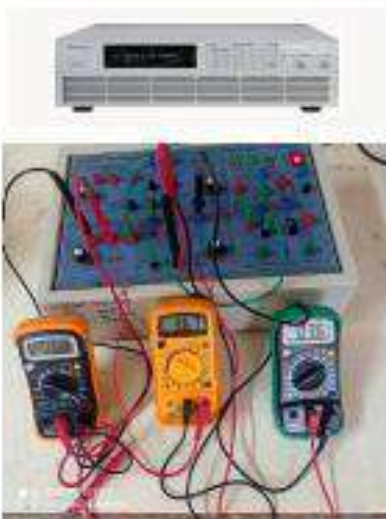
1. DC Shunt, Series, Compound Motor
2. DC Motor Coupled DC Shunt, Compound Generator
3. DC motor coupled Alternator
4. Single phase, Three phase Autotransformer
5. Single Phase, Three phase Induction motor
6. Three phase Synchronous motor
7. Single phase, Three phase Transformer
8. AC, DC Distribution Panel



2. Power Electronics Laboratory

Name of the Equipments

1. Microcontroller and DSP based control of BLDC motor, Stepper motor, Synchronous motor, Induction motor
2. Mc-Murray Bedford Three Phase Inverter
3. Single Phase Cyclo-converter Single Phase Half & Fully Controlled Bridge converter
4. SCR, 40MOSFET, IGBT, TRIAC, DIAC Characteristics & UJT Triggering Module
5. UJT Firing for Three phase SCR power Circuit
6. Forced Commutation Kit
7. Series & Parallel Inverter kit
8. Three Phase IGBT Based PWM Inverter
9. Isolation Transformer
10. AC Phase Control using SCR, TRIAC & DIAC
11. Three Phase half & Fully controlled Bridge Converter
12. Step up & Step-down Chopper, Buck converter, Boost converter, Buck-Boost converter, Fly-back converter, series and parallel resonant converter



13. 4 Channel Digital Storage Oscilloscope
14. Power Quality Analyser
15. Solar Array Simulator

3. Control and Instrumentation Laboratory



Process control Trainer Module



Solar Trainer Module

Name of the Equipments

1. Wheatstone, Kelvin, Anderson, Schering, Hay's, De Sauty's Bridge
2. Maxwell's Inductance Bridge with Ring Specimen
3. Function Generator
4. CRO Digital/Analog
5. DC, AC Servo Motor
6. Stepper Motor
7. AC & DC Position Control System
8. Energy Meter
9. PPI, PID Controller
10. Regulated Power Supply
11. Lag, Lead, Lag-Lead Compensator Trainer
12. 8085 Microprocessor Kit
13. 8051 Microcontroller Kit
14. Stepper Motor Interfacing Kit
15. ADC Interfacing Kit

4. Simulation Laboratory



Name of the Equipments

1. 30 Computers and Accessories
2. Printers
3. UPS-20 KVA
4. MATLAB Software
5. DigSILENT Software -25 Users License

5. Basic Electrical Laboratory



Name of the Equipments

1. Megger
2. Wattmeter
3. Lux Meter
4. Auto transformers
5. Resistive Loads
6. Lamp loads
7. Energy Meter

STATE OF THE ART FACILITIES



Electrochemical Workstation



Chroma Solar Array Simulator



Advanced Battery Analyzer



Solar Trainer Module



Fluke Power Quality Analyser



DIGSILENT Software

Department level Achievements

The B.Tech, Electrical and Electronics Engineering is accredited by National Board of accreditation (NBA) for the first time under Tier 1 categories from the academic year 2023-24 to 2025-26.

राष्ट्रीय प्रत्यायन बोर्ड NATIONAL BOARD OF ACCREDITATION

बौध्द लान, ईस्ट टावर, एन. बी. सी. प्लेस, भीष्म पितामह मार्ग, प्रगति विहार, लोधी रोड, नई दिल्ली - 110003

4th Floor, East Tower, NBCC Place, Bhisham Pitamah Marg, Pragati Vihar, Lodhi Road, New Delhi 110003



F.No: 33-295/2013-NBA

Date: 29-05-2023

To
The Vice Chancellor
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology,
No. 42, Avad-Veltech Road, Avadi,
Chennai-600062, Tamil Nadu

Subject: Accreditation status of programs applied by Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, No. 42, Avad-Veltech Road, Avadi, Chennai-600062, Tamil Nadu.

Sir,

This has reference to your application I.D. No. 6227-29/12/2021 seeking accreditation by National Board of Accreditation to UG Engineering programs applied by Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, No. 42, Avad-Veltech Road, Avadi, Chennai-600062, Tamil Nadu.

2. An Expert Team conducted onsite evaluation of the programs from 3rd to 5th March, 2023. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The Competent Authority in NBA has approved the following accreditation status to the programs as given in the table below:

Sl. No.	Name of the Program(s) (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Mechanical Engineering	Tier-I January 2016 Document	Accredited	Academic Years 2022-2023 to 2024-2025 i.e. upto 30-06-2025	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the Competent Authority, whichever is earlier
2.	Aeronautical Engineering		Accredited		
3.	Electrical & Electronics Engineering		Accredited	Academic Years 2023-2024 to 2025-2026 i.e. upto 30-06-2026	

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The programs have been granted accreditation for 3 years. Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, No. 42, Avad-Veltech Road, Avadi, Chennai-600062, Tamil Nadu should submit the Compliance Report at least six months before the expiry of validity of accreditation mentioned above so as to be eligible for consideration by the concerned Committee in NBA for further processing of the accreditation status.

5. The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, No. 42, Avad-Veltech Road, Avadi, Chennai-600062, Tamil Nadu as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

Contd./...

FACULTY ACCOMPLISHMENTS

Faculty Current Research Domain:

The following are the major research domains in which team of faculty members, research Scholars, PG & UG students are working:



MAJOR RESEARCH DOMAIN

- Electric vehicle
- Smart Grid & Micro-grid
- Power Systems
- Energy Planning
- Power Quality
- Renewable / Green Energy
- Power Electronic Converters / Inverters for Drives Application
- Soft Computing
- AI & ML for Electrical engineering
- Medical Image Processing
- Embedded and IoT based System Design
- Non-Destructive Testing
- Battery Management System

FACULTY MEMBERS

S.NO	Faculty_ID	NAME	DESIGNATION	QUALIFICATION
1	TTS 2784	Dr.RAMESH. S	PROFESSOR & HEAD	B.E., M.E., Ph.D.
2	TTS 2736	Dr. KARUNANITHI. K	PROFESSOR	AMIE., M.E., Ph.D.
3	TTS 351	Dr. DHAL P.K.	PROFESSOR	AMIE., B.E., M.E., Ph.D.
4	TTS 1326	Dr. S. SIVA KUMAR	ASSOCIATE PROFESSOR	B.E., M.E., Ph.D.
5	TTS 2085	Dr. CHANDRASEKAR. P	PROFESSOR	B.Tech., M.E., Ph.D.
6	TTS 2611	Dr. K.VINOTH	ASSOCIATE PROFESSOR	B.E., M.Tech., Ph.D.
7	TTS 2666	Dr. NIDAGHA KUMAR RAYAGURU	ASSOCIATE PROFESSOR	AMIE., M.Tech., Ph.D.
8	TTS 3065	Dr. K. KARTHIKUMAR	ASSOCIATE PROFESSOR	B.E., M.E., Ph.D.
9	TTS 2026	Dr. S. VINOTH JOHN PRAKASH	ASSISTANT PROFESSOR	B.E., M.E., Ph.D.
10	TTS 3517	Dr. AMOSEDINAKARAN. S	ASSISTANT PROFESSOR	B.E., M.Tech., Ph.D.
11	TTS 3550	Dr. PRIYA. R.A	ASSISTANT PROFESSOR	B.E., M.Tech., Ph.D.
12	TTS 1495	Mr. SIVARAJ. P	ASSISTANT PROFESSOR	B.E., M.E.
13	TTS 2652	Mr. SREEDHAR. R	ASSISTANT PROFESSOR	B.E., M.Tech.
14	TTS 3514	Dr. RAJAKUMAR. P	ASSISTANT PROFESSOR	B.E., M.E., Ph.D.
15	TTS 3529	Dr. HARI CHARAN NANNAM	ASSISTANT PROFESSOR	B.Tech., M.Tech., Ph.D.
16	TTS 3545	Dr. BABURAO PASUPULETI	ASSISTANT PROFESSOR	B.Tech., M.Tech., Ph.D.
17	TTS 2325	Mrs.PRISCILLA WHITIN	ASSISTANT PROFESSOR	B.E., M.Tech.
18	TTS 2394	Mr.CHITHRAS. T	ASSISTANT PROFESSOR	B.E., M.E.
19	TTS 2151	Mr. Barathi. K	ASSISTANT PROFESSOR	B.E., M.E.
20	TTS 3528	Dr.M.S.Prabhu	ASSISTANT PROFESSOR	B.E., M.E., Ph.D
21	TTS 3056	Mr.P.Sathyanathan.P	ASSISTANT PROFESSOR	B.E., M.E.

**List of faculty Members as
Resource Person in STTP/FDP Events**

FACULTY ACCOMPLISHMENTS

S.N o.	Name of the Faculty as Resource Person	Name of the STTP/FDP	Date	Location	Organized by
1	Dr. Ramesh S	FDP on Opportunities and Challenges in Integrating Renewable Energy in EV Charging Infrastructure	28.06.2024	Tiruchirappalli	Kongunadu College of Engineerin g and Technology
2	Dr. Baburao Pasupuleti	Seminar session on Technology- Based Entrepreneurshi p Development Program.	16.09.2023	Andhra Prades h	Ramachandr a College of Engineering
3	Dr. KarunanithiK	International FDP on Self- Sustained Intelligent Power Management Model for Smart and Microgrids	10.01.2024	Chennai	Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology
4	Dr. Vinoth John Prakash S	International FDP on Self- Sustained Intelligent Power Management Model for Smart and Microgrids	10.01.2024	Chennai	Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology

Developed MOOC Course- 2023-24

FACULTY ACCOMPLISHMENTS

S. No.	Name of the Faculty	Name of the Course Developed	Link
1	Mr.Sreedhar R	Basic Electrical and Instrumentation Engineering	https://www.academia.edu/119148188/Basic_Electrical_and_Instrumentation_Engineering_Course_notes
		Special Electrical Machines Notes	https://www.academia.edu/75608900/Special_Electrical_Machines_Notes
		Power Electronics	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
2	Dr. Karthikumar K	Electric Vehicle Technology	https://www.academia.edu/85246189/Improved_Transformer_Based_Full_Bridge_Inverter
		Measurements and Instrumentation	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
3	Dr.Amosedinakaran S	EV Drives and Control	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
		Modelling and Simulation of EV	
		Computer Networks and Communication	
4	Dr. Karunanithi K	AC Machines	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
		Design of electrical Machines	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
5	Dr. Ramesh S	Power System operation and Control	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
6	Dr. Dhal P K	Linear Control System	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
		Circuit Theory	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
7	Dr. Chandrasekar P	Energy Storage Systems	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
		Power Supply Quality	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
8	Dr. Vinoth K	EV Charging station	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
		Protection and Switch Gear	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
9	Dr. Siva Kumar S	Electrical Machine Design	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
		Data Structures and Algorithms	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
		Object Oriented Programming	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
10	Dr. Vinoth John Prakash S	Electromagnetic Fields	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
		Power System Analysis	
11	Dr. Rajakumar P	Electrical Machines	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
		Wind and Solar Power System	
12	Dr. Rayaguru N K	LED Lighting Technology	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx
		Basic Electrical and Electronics Engineering	https://ams.veltech.edu.in/Faculty/MaterialUpload.aspx

List of Faculty Members Obtained Certification of MOOCs- 2023-24

S.No	Name of the Faculty	Name of Course Passed	Course Offered by (agency)	Grade obtained if any
1	Mr. Sreedhar.R	Fuzzy Sets, Logic and Systems & Applications	NPTEL	Elite with Silver
2	Dr. Karthikumar K	Sustainable Power Generation Systems	NPTEL	Elite
3	Dr. Priya RA	Biophotonics	NPTEL	Elite

List of FDPs/STPs organized by 2023-24

FACULTY ACCOMPLISHMENTS

S. No.	Name of the Program	Date	Duration	Name of the Speaker and Designation Organization
1	Self-Sustained Intelligent Power Management Model for Smart and Microgrids	08.01.2024 to 12.01.2024	5 days	Dr. K. Vijayakumar, Associate Professor, Dept. of ECE IIITDM, Kanchipuram. Dr. Sishaj P. Simon, Professor, Dept. of EEE, NIT Tiruchirappalli Dr. K. Karunanithi, Professor, EEE, Vel Tech Dr. S. Vinoth John Prakash, Assistant Professor, EEE, Vel Tech Ir. Dr. Alicia Sinsuw, Associate Professor, Electrical Engineering Dept of Engineering, Sam Ratulangi University, Indonesia
2	Electric Power Grid Modernization Trends Challenges and Opportunities	20.05.2024 to 25.05.2024	6 Days	Dr. S. Ramesh, Professor, Head, EEE, Vel Tech Dr. K. Karunanithi Professor, EEE, Vel Tech. Dr. S. Sivakumar Associate Professor, EEE, Vel Tech Dr. Priya R.A, Asst. professor, EEE, Vel Tech Dr. Chandrasekar. P, Professor, EEE Vel Tech Dr. P.K Dhal Professor, EEE, Vel Tech Dr. S. Vinoth John Prakash, Asst. professor, EEE Vel Tech Dr. K. Karthikumar, Associate Professor, EEE, Vel Tech Dr. Hari Charan Nannam, Asst. Professor, EEE, Vel Tech

List of Faculty Members Involved in Student Innovative Projects.

S. No.	Name of the Faculty	Name of the Event	Date of Event	Place of Event	Website Link if any
1	Dr. Dhal.P K	Innovation idea presentation	16.11.2023	Sai Ram Institute of Technology	https://hs.sairamit.edu.in/symposium/
2	Dr. Priya RA	Ideathon	29.03.2024 - 31.03.2024	IIT Madras	https://unstop.com/competitions/ideathon-mechanica-2024-iit-madras-926495?utm_source
3	Dr. Chandrasekar P	VISAI – 14 th International Project Competition and Exhibition	23.02.2024	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai	https://www.veltech.edu.in/events/visai-2024/
4	Dr. Karunanithi K	VISAI – 14 th International Project Competition and Exhibition	23.02.2024	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai	https://veltech.edu.in/vtu/events/visai-2024/
5	Dr. Amosedinakaran	7 th Science fest	30.03.2024	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai	https://www.veltech.edu.in/events/7th-science-fest-2k24-project-expo
6	Chithras T	7 th Science fest	30.03.2024	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai	https://www.veltech.edu.in/events/7th-science-fest-2k24-project-expo
7	Sreedhar R	7 th Science fest	30.03.2024	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai	https://www.veltech.edu.in/events/7th-science-fest-2k24-project-expo

National Level Open Hardware IoT Geospatial Hackathon Winners 2024

One of the EEE student, Sohaib Siddiq Won the prestigious National Level Open Hardware IoT Geospatial Hackathon organized by IIT Madras in the year 2024.



Faculty internship details.

FACULTY ACCOMPLISHMENTS

S. No.	Name of the Faculty	Name of the Internship/ Training/Co llaboration	Name of the Company & Place	Duration	Outcomes of Internship / Training/ Collaborati on
1	Dr. Vinoth John Prakash S	Industrial Training	Auckam Technologies, Chennai.	20/11/2023 to 04.12.2023 (15 days)	Guided Minorproje cts
2	Dr. Rajakumar P	Industrial Training	Auckam Technologies, Chennai.	20/11/2023 to 04.12.2023 (15 days)	Guided Minorproje cts
3	Dr. Amosedinaka ran S	Industrial Training	Auckam Technologies, Chennai.	20/11/2023 to 04.12.2023 (15 days)	Guided Majorproje cts
4	Dr. Hari Charan Nannam	Industrial Training	Auckam Technologies, Chennai.	20/11/2023 to 04.12.2023 (15 days)	Guided Majorproje cts
5	Dr. Siva Kumar S	Industrial Training	BlinC Smart Homes Pvt Ltd, Chennai	13/05/2024 to 28.05.2024 (16 days)	Training the students
6	Mrs. Priscilla Whitin	Industrial Training	BlinC Smart Homes Pvt Ltd, Chennai	13/05/2024 to 28.05.2024 (16 days)	Training the students
7	Mr Sivaraj P	Industrial Training	BlinC Smart Homes Pvt Ltd, Chennai	13/05/2024 to 28.05.2024 (16 days)	Training the students
8	Dr. Baburao Pasupuleti	Industrial Training	BlinC Smart Homes Pvt Ltd, Chennai	13/05/2024 to 28.05.2024 (16 days)	Guided Major projects

Faculty members attending FDP

Faculty members actively participate in Faculty Development Programs, including "Self-Sustained Intelligent Power Management Model for Smart and Microgrid," to enhance their professional skills and technical knowledge. They deliver FDP sessions, sharing their expertise, research experiences, and innovative teaching practices with fellow educators.



S.No	Name of the Faculty members	Title of the paper	Publisher name / Journal name	Vol. & Issue No.	month / year of publication	DOI	SCOPUS / WoS/ others
1	Dr. Siva Kumar S	Analysis of Voltage Source Inverter with Photovoltaic Renewable Energy Source for Improving Power Quality in Solar	International Journal of Intelligent Systems and Applications in Engineering	12(11)	Jan 2024	2-s2.0-85184937961	Scopus
2	Dr. Vinoth John Prakash S	Green Power Ev Charging Station Design and Analysis for Electric Vehicles	International Journal of Electrical and Electronics Research	12(2)	April 2024	10.37391/IJEER.120203	Scopus
3	Dr. Chandrasekar P	Evaluating a novel bidirectional soft-switching DC-DC converter for electric vehicles	International Journal of Applied Power Engineering	13(4)	Apr 2024	10.11591/ijape.v13.i4.pp825-834	Scopus
4	Dr. Chandrasekar P	Enhancing Environmental Sustainability: Extreme Learning Machine Approach to Industrial Waste Management	Journal of Environmental Nanotechnology	13(2)	Jun 2024	10.13074/jent.2024.06.242595	Scopus
5	Dr. Vinoth K	Enhanced Predictive Model for Grid Stability Using Hybrid GBM-LSTM Approach	International Journal of Renewable Energy Research	14(1)	Mar 2024	10.20508/ijrer.v14i1.14591.g8880	WoS
6	Dr. Karunanithi K	A hybrid multilayer perceptron-extreme gradient boost approach for precise state of charge and state of health assessment	e-Prime - Advances in Electrical Engineering, Electronics and Energy	8, 100591	May 2024	10.1016/j.prime.2024.100591	Scopus

FACULTY ACCOMPLISHMENTS

7	Dr. Karunanithi K	Generation Expansion Planning considering environmental impact and sustainable development for an Indian state using the LEAP platform	Utilities Policy	86, 101702	Feb 2024	10.1016/j.jup.2023.101702	WoS
8	Dr. Karunanithi K	Measurement of State of Charge of Lithium-Nickel Manganese Cobalt Battery using Artificial Neural Network and NARX Algorithm	International Journal of Electrical and Computer Engineering Systems	15(4)	Mar 2024	10.32985/ijeces.15.4.1	WoS
9	Dr. Ramesh S	Design and FEA analysis of hub based dual rotor machine for optimal energy generation in four wheeled electric vehicle application	International Journal of Ambient Energy	45(1), 2304724	Jan 2024	10.1080/01430750.2024.2304724	Scopus
10	Dr. Dhal P K	Multi-objective economic load dispatch using hybrid NSGA-II and PVDE techniques	International Journal of Power Electronics and Drive Systems	15(2)	Jun ,2024	10.11591/ijpeds.v15.i2.pp1266-1275	Scopus
11	Dr. Dhal P K	Multi-objective economic and emission dispatch problems using hybrid honey bee simulated annealing	Measurement: Sensors	32, 101065	Apr 2024	10.1016/j.measen.2024.101065	Scopus
12	Dr. Dhal P K	Impact of load flow and network reconfiguration for unbalanced distribution systems	Measurement: Sensors	32, 101078	Apr 2024	10.1016/j.measen.2024.101078	Scopus
13	Dr. Dhal P K	Comparison of Crow Search and Practice Swarm Algorithm for Minimization of Losses in Unbalanced Radial Distribution System	Mathematical Modelling of Engineering Problems	11(4)	Apr 2024	10.18280/mmep.110427	Scopus

FACULTY ACCOMPLISHMENTS

14	Dr. Dhal P K	INTEGRATION OF DISPERSED RENEWABLE ENERGY GENERATING IN POWER DISTRIBUTION NETWORK	ARPN Journal of Engineerin g and Applied Sciences	19(2)	Jan 2024	10.59018/012 422	Scop us
15	Dr. Dhal P K	DeepFore: A Deep Reinforcement Learning Approach for Power Forecasting in Renewable Energy Systems	Electric Power Componen ts and Systems	1-17	Apr 2024	10.1080/1532 5008.2024.23 32391	WoS
16	Dr. Dhal P K	Photovoltaic-wind- battery and diesel generator-based hybrid energy system for residential buildings in smart city Coimbatore	Environme ntal Science and Pollution Research	31(9)	Jan 2024	10.1007/s113 56-024- 32071-0	WoS
17	Dr. Dhal P K	Synergistic Optimization of Unit Commitment Using PSO and Random Search	Contempor ary Mathemati cs (Singapore)	5(1), pp. 698– 710	Mar 2024	10.37256/cm. 5120243638	WoS
18	Dr. Rajakumar P	Optimization of Distributed Generation in Radial Distribution Network for Active Power Loss Minimization using Jellyfish Search Optimizer Algorithm	Internation al Journal of Electrical and Computer Engineerin g Systems	15(3)	Mar 2024	10.32985/ijec es.15.3.1	WoS
19	Dr. Amosedinakaran S	Performance Analysis for Battery Stability Improvement using Direct Air Cooling Mechanism for Electric Vehicles	e-Prime - Advances in Electrical Engineerin g, Electronics and Energy	8, 10058 5	Jun 2024	10.1016/j.pri me.2024.1005 85	Scop us
20	Dr. Amosedinakaran S	Simulink and real- time implementation of the E-cycle for measuring the reliability of the model using sensors	Measurem ent: Sensors	32, 10106 6	April 2024	10.1016/j.me asen.2024.10 1066	Scop us

21	Dr. Amosedinakaran S	Performance analysis of battery E-vehicle system using open loop and closed loop application	Measurement: Sensors	31, 100963	Feb 2024	10.1016/j.measen.2023.100963	Scopus
22	Dr. Hari Charan Nannam	A Single-Phase Cascaded H-Bridge Multilevel Inverter with Voltage Boost Ability: Modulation and Analysis	IEEE Transactions on Industry Applications	60(3)	Jan 2024	10.1109/TIA.2024.3351796	WoS
23	Dr. Hari Charan Nannam	Performance Evaluation of Single-Phase Boost-Type Cascaded H-Bridge Inverter in the Applications of Grid-Tied Photovoltaic Systems	IEEE Journal of Emerging and Selected Topics in Power Electronics	12(2)	Feb 2024	10.1109/JESTPE.2023.3249905	WoS
24	Dr. Ramesh S Dr. Karunanithi K	A hybrid DMO-RERNN based UPFC controller for transient stability analysis in grid connected wind-diesel-PV hybrid system	International Review of Applied Sciences and Engineering	14(3)	Oct 2023	10.1556/1848.2022.00556	Scopus
25	Dr. Karunanithi K	Energy Forecasting Information System of Optimal Electricity Generation using Fuzzy-based RERNN with GPC	KSII Transactions on Internet and Information Systems	17(10)	Oct 2023	10.3837/tis.2023.10.006	Scopus & WoS
26	Dr. Karthikumar K	Energy recovery from waste animal fats and detailed testing on combustion, performance, and emission analysis of IC engine fueled with their blends enriched with metal oxide nanoparticles	Energy	284	Dec 2023	10.1016/j.energy.2023.129287	Scopus & WoS
27	Dr. Chandrasekar P	Failure Analysis of Distribution Transformer and Proposing Proper Solution to Mitigate the Faults-A Case Study of Kombolcha City Dessie District Ethiopian Electric Utility, Ethiopia	WSEAS Transactions on Power Systems	18	Dec 2023	10.37394/232016.2023.18.32	Scopus

FACULTY ACCOMPLISHMENTS

28	Dr. Vinoth K	Fault analysis in grid-connected solar photovoltaic systems based on multi-objective grey wolf optimisation	Indonesian Journal of Electrical Engineering and Computer Science	31(3)	Sep 2023	10.11591/ijeecs.v31.i3.pp1250-1257	Scopus
29	Dr. Hari Charan Nannam	Grey wolf-optimized MPPT controller for q-ZSI-based grid-tied wind power generation system	Electrical Engineering	106	Dec 2023	10.1007/s00202-023-02168-9	Scopus & WoS
30	Dr. Karunanithi K Dr. Ramesh S Mr. Sreedhar R	Investigations of standalone PV system with battery-supercapacitor hybrid energy storage system for household applications	International Journal of Information Technology	15	Dec 2023	10.1007/s41870-022-01144-z	Scopus
31	Mr. Sreedhar R Dr. Karunanithi K Dr. Ramesh S	Machine learning based cascaded ANN MPPT controller for erratic PV shading circumstances	International Journal of Power Electronics and Drive Systems	14(4)	Dec 2023	10.11591/ijpeds.v14.i4.pp2447-2456	Scopus
32	Dr. Dhal P K	Median Economic Community Framework for Waste Management Using IoT	SN Computer Science	4	Sep 2023	10.1007/s42979-023-02123-2	Scopus
33	Dr. Amose Dinakaran S	Modelling and performance analysis of improved incremental conductance MPPT technique for water pumping system	Measurement: Sensors	30	Dec 2023	10.1016/j.measen.2023.100895	Scopus

FACULTY ACCOMPLISHMENTS

34	Dr. Dhal P K	Multi-objective unit commitment with spinning reserve cost using hybrid method	International Journal of Power Electronics and Drive Systems	14(4)	Dec 2023	10.11591/ijpeds.v14.i4.pp2537-2545	Sco pus
35	Dr. Dhal P K	Operation of Transmission Congestion Management Through Optimal Size of PV using a Hybrid: Whale Optimization and Firefly Algorithms	International Journal of Engineering Trends and Technology	71(9)	Sep 2023	10.14445/22315381/IJETT-V71I9P225	Sco pus
36	Dr. Dhal P K	Optimal placement of time-varying distributed generators by using crow search and black widow - Hybrid optimization	Measurement : Sensors	30	Dec 2023	10.1016/j.measen.2023.100900	Sco pus
37	Dr. Dhal P K	PMU placement and fault elimination in power system using hybrid IWD-goat algorithm	ARPN Journal of Engineering and Applied Sciences	18(17)	Nov 2023	10.59018/0923248	Sco pus
38	Dr. Hari Charan Nannam	Reliability evaluation of carrier-based pulse width modulated three-level F-type neutral point clamped inverter with power loss analysis	International Journal of Circuit Theory and Applications	51(7)	Jul 2023	10.1002/c ta.3737	Sco pus & Wo S
39	Dr. Dhal P K	Scheduling of thermal unit on hourly basis using novel hybrid WOA-SOMA	ARPN Journal of Engineering and Applied Sciences	18(24)	Dec 2023	10.59018/1223325	Sco pus
40	Dr. Dhal P K	Combined Economic and Emission Dispatch Using Whale Optimization Algorithm	ARPN Journal of Engineering and Applied Sciences	19(3)	Feb 2024	10.59018/1223321	Sco pus
41	Chithras. T	Efficient Liver Disease Diagnosis Using Infrared Image Processing for Enhanced Detection and Monitoring	Journal of Environmental Protection and Ecology	25(4)	Sep 2023	2-s2.0 85200696624	SC OP US

Conference Publication 2023-24

S.No	Name of the Faculty members	Title of the paper	Publisher name / Journal name	month/ year of publication	DOI	Scopus/ WoS / others
1	Dr. Siva Kumar S	Improving the efficiency of IoMT using fuzzy logic methods	Advances in Fuzzy-Based Internet of Medical Things (IoMT)	Mar 2024	10.1002/9781394242252.ch7	Scopus
2	Dr. Siva Kumar S	Development of Green Computing through Power Management in Wireless Networks using Machine Learning	7th International Conference on Inventive Computation Technologies, ICICT 2024	Jun 2024	-	Scopus
3	Dr. Vinoth John Prakash S	Optimization of renewable system for assessing reliability and cost	Proceedings of the 2nd IEEE International Conference on Networking and Communications 2024, ICNWC 2024	Apr 2024	10.1109/ICNWC60771.2024.10537541	Scopus
4	Dr. Vinoth John Prakash S	Reliability effects in solar and wind system during load forecasting uncertainty	10th International Conference on Electrical Energy Systems, ICEES 2024	Dec 2024	10.1109/ICEES61253.2024.10776908	Scopus
5	Chithras T	Energy-Efficient Communication Protocols for IoT Devices	9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024	Jun 2024	10.1109/ICONSTEM60960.2024.10568674	Scopus

FACULTY ACCOMPLISHMENTS

6.	Dr. Vinoth K	Robust AI-Enabled Electronic Components Authentication and Anti -Counterfeiting	9th International Conference on Science, Technology, Engineering and Mathematics: The Role	-	Apr 2024	10.1109/ICONSTE M60960. 2024.105 68793	SCOP US
7.	Dr. Dhal P K	Meta-heuristic optimization for enhancing the thermal performance of solar energy devices	Metaheuristics Algorithm and Optimization of Engineering and Complex Systems	-	Jun 2024	10.4018/979-8-3693-3314-3.ch006	SCOP US
8.	Dr. Baburao Pasupuleti	NSTLBO-Based Approach for Optimal Scheduling of Hydrothermal Generating Units in Regulated Environment	10th International Conference on Electrical and Electronics Engineering	1109	Jan 2024	10.1007/978-981-99-8289-9_2	SCOP US
9.	Dr. Priya R A	Current-mode fuzzy logic controlled Cascaded Quadratic Boost Converter fed DC drive system	4th International Conference on Advances in Physical Sciences and Materials, ICAPSM 2023	3122 (1)	Jun 2024	10.1063/5.0216314	SCOP US
10.	Dr. Chandrasekar P	A predictive control with decreased computational weight range for a staggered inverter in photovoltaic system	5th International Conference on Advances in Steel, Power and Construction Technology, ICASPCT	-	Sep 2023	10.1063/5.0164683	SCOP US
11.	Dr. Dhal P K	Deep Water Culture using Automated Hydroponic Systems	Proceedings of the 2nd International Conference on Edge Computing and Applications, ICECAA 2023	-	Aug 2023	10.1109/ICECAA58104.2023.10212402	SCOP US
12.	Dr. Karunanithi K, Dr. Ramesh S	Design of Passive Cell Balancing for 48V Lithium Batteries for EV/Drones Applications	Proceedings of the 2023 2nd International Conference on Augmented Intelligence and Sustainable Systems, ICAISS 2023	-	Sep 2023	10.1109/ICAISS58487.2023.10250675	SCOP US

FACULTY ACCOMPLISHMENTS

13.	Dr. Dhal P K	Optimizing solar energy utilization and energy efficiency through thermal energy storage with phase change materials in a solar water heating system	International Conference on Green Energy and Sustainable Technology (ICGEST	-	Dec 2023	10.1051/e3sconf/202345502005	SCOP US
14.	Sathyanathan P	Photovoltaic Powered Fuzzy Algorithm for IoT-Monitored Four Switch Induction Motor Drive	International Conference on Self Sustainable Artificial Intelligence Systems, ICSSAS 2023 - Proceedings	-	Dec 2023	10.1109/ICSSAS57918.2023.10331888	SCOP US
15.	Dr. Vinoth K Dr. Chandra Sekar P	Power Factor Correction by ANN Based Bridgeless Modified Landsman Converter	Proceedings of the International Conference on Circuit Power and Computing Technologies, ICCPCT 2023	-	Aug 2023	10.1109/ICCPCT58313.2023.10244792	SCOP US
16.	Dr. Vinoth K	PSO Pretrained ADP Based Control Scheme for Energy Storage System	Proceedings - 2023 3rd International Conference on Pervasive Computing and Social Networking, ICPCSN 2023	-	Oct 2023	10.1109/ICPCSN58827.2023.00295	SCOP US
17.	Dr. DHAL P K	Sustainable Renewable Energy Sources and Solar Mounting Systems for PV Panels: A Critical Review	Proceedings of the International Conference on Materials for Emerging Technologies, ICMET-2021	-	Sep 2023	10.1063/5.0163017	SCOP US
18.	Dr. Vinoth K	Blockchain-based access control and interoperability framework for electronic health records (ANCILE)	Artificial Intelligence, Blockchain, Computing and Security: Volume 1	1, 1028	Dec 2023	10.1016/j.scs.2018.02.014	SCOP US
19.	Dr. Dhal P K	Voltage fluctuation control analysis of induction motor drives in textile mill using phasor measurement unit	Smart Grids for Smart Cities	-	Jul 2023	10.1002/9781119872108	SCOP US

FACULTY ACCOMPLISHMENTS

20.	Dr. Karunanithi K	Impact of Integrated Learning approach to Students' Success: A case study for the I Year PEEE course in a Bachelor of Technology Programme	2023 International Conference on Energy, Materials and Communication Engineering, ICEMCE 2023	-	Feb 2024	10.1109/I CEMCE5 7940.2023 .10434 126	SCOP US
21.	Sathyanathan P	Integrating Cloud Computing with IoT for Battery Monitoring in Electric Vehicles	2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023	-	Jan 2024	10.1109/SmartTechCon57526.2023. 10391798	SCOP US
22.	Dr. Amosedinakar an S Dr. Rajakumar P Dr. Vinoth John Prakash S	Medium-Term Electric Demand Prediction using Whale Optimisation Algorithm	2023 International Conference on Data Science, Agents and Artificial Intelligence, ICDSAAI 2023	-	Mar 2024	10.1109/ICDSAAI 59313.2023.1045 2463	SCOP US
23.	Dr. Karunanithi K	Modelling of a Novel Eight Switch 15-Level Asymmetric Inverter for PV Sources	2023 International Conference on Energy, Materials and Communication Engineering, ICEMCE 2023	-	Feb 2024	10.1109/I CEMCE5 7940.2023 .10434 269	SCOP US
24.	Dr. Dhal P K	Modular Multi Converter for DC Fault Protection based Levy Multi-Objective Gray Wolf Optimization	2023 1st International Conference on Advances in Electrical, Electronics and Computational Intelligence, ICAEECI 2023	-	Jan 2024	10.1109/ICAEECI5 8247.2023 .10370 976	SCOP US
25.	Sathyanathan P	Photovoltaic Powered Electric Vehicle Using Direct Torque Control and IoT Monitoring	2023 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2023	-	Mar 2024	10.1109/PEEIC593 36.2023.1 045052 2	SCOP US

FACULTY ACCOMPLISHMENTS

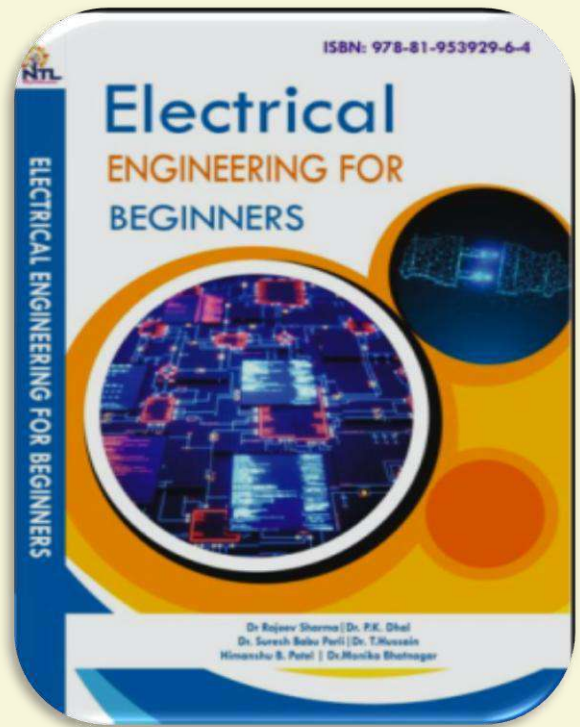
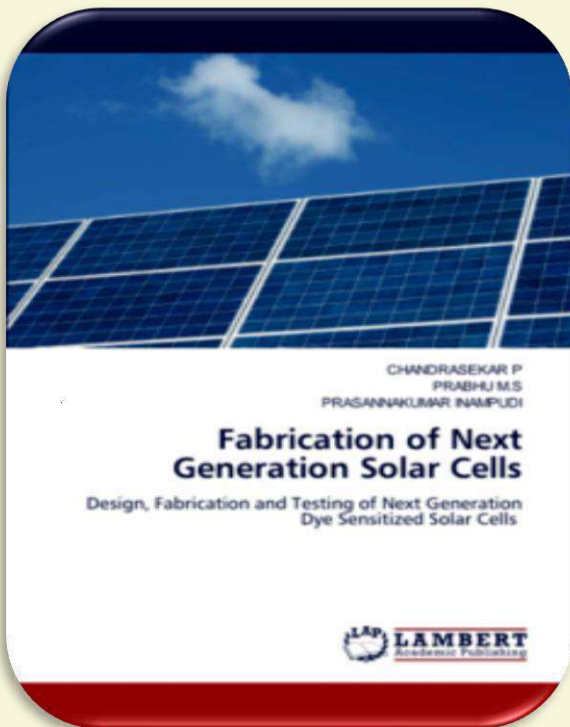
26.	Dr. Sivakumar S	Scada energy management system under the distributed decimal of service attack using verification techniques by IIoT	Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023	-	Apr 2023	10.1109/ICECONF57129.2023.10083924	SCOP US
27.	Dr. Prabhu M S	Small Signal Analysis of Gate Controlled Series Capacitor based Tidal Generation using Hybrid Crow Search-Nelder Mead Algorithm	3rd International Conference on Smart Technologies for Power, Energy and Control, STPEC	-	Feb 2024	10.1109/STPEC59253.2023.10431090	SCOP US
28.	Dr. Amosedinak ar an S Dr. Baburao Pasupuleti Dr. Rajakumar P	Forecasting the Electricity Demand of Tamil Nadu using Ant Colony Optimization Technique Based on Linear and Non-Linear Models	2023 International Conference on Data Science, Agents and Artificial Intelligence, ICDSAAI 2023	-	Mar 2024	10.1109/ICDSAAI59313.2023.10452594	SCOP US
29.	Dr. Karunanithi K	Efficient Automated Detection System for Pneumonia-Affected X-Ray Images using Neural Networks	7th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2023	-	Feb 2024	10.1109/ICECA58529.2023.10395545	SCOP US
30.	Dr. Sivakumar S	Design of Hybrid Energy Aware Cluster Based Multipath Routing Protocol in IoT Assisted Wireless Sensor Networks	7th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2023 - Proceedings	-	Feb 2024	10.1109/ICECA58529.2023.10395094	SCOP US
31.	Mrs. Priscilla Whitin	Ecological Restoration of Soil Plant System by Earthworms based on Image Segmentation Algorithm	2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023	-	Jan 2024	10.1109/SmartTechCon57526.2023.10391292	SCOP US
32.	Mrs. Priscilla Whitin	Ecological Restoration of Soil Plant System by Earthworms based on Image Segmentation Algorithm	2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023	-	Jan 2024	10.1109/SmartTechCon57526.2023.10391292	SCOP US

Book Published 2023-24

S.NO	Name of the Faculty members	Title of the paper	Publisher name / Journal name	month/year of publication	ISBN/ISSN number of the proceeding
1	Dr. Dhal P K	Advancements in EMI Shielding Strategies and Innovations with a Focus on Energy Storage Solutions	Introduction to Functional Nanomaterials, CRC Press	Nov 2024	9781003495437-3
2	Dr. Sivakumar S	Embedded Systems and IoT	GCS Publication	2024	978-81-97-818677
3	Dr. Chandrasekar P	Automatic Voltage Stabilizers: Design, Fabrication & Testing	LAP LAMBERT Academic Publication	2024	978-620-7-47329-8
4	Dr. Chandrasekar P	Inspection of Wind Turbine System	LAP LAMBERT Academic Publication	2024	978-620-7-48571-0
5	Dr. Chandrasekar P	fabrication of Next Generation Solar cells	LAP LAMBERT Academic Publication	2024	978-620-6-78433-3
6	Dr. Dhal P K	A Text book of basic electrical technology	RK Publication	2024	978-81-971218-1-4
7	Dr. Rayaguru N K	Basic Electrical & Instrumentation Engineering	Pearson education Pvt Ltd	2024	978-81-198-9681-3

Academic Innovation

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



Faculty members of the department have actively contributed to academic excellence by publishing textbooks in emerging areas of technology. Dr. Dr. Chandrasekar P , Dr. Dhal P K published book with reputed publishing house

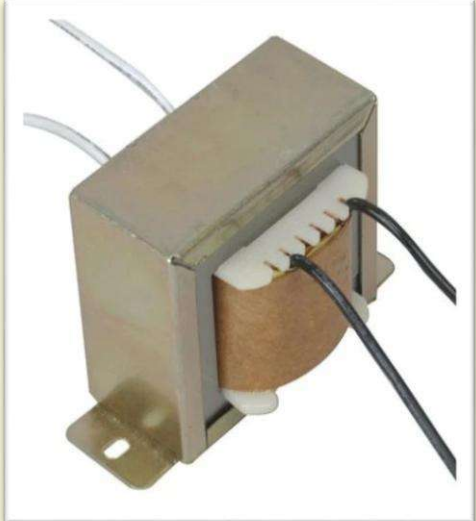
Details of Ph.D. Scholars Awarded

S.N o.	Research scholar	Supervisor name	Title of the thesis	Date	Year
1	Mr Sivaraj P	Dr. Karunanithi K	Investigation of losses and performance evaluation of solar PV - inverter by optimum power point tracking using CNN	27.09.2024	2024
2	Mr.Vanam Sathyanarayana	Dr. Vinoth K	Implementation of Meta-Heuristic Optimization Algorithm to Improvement of Grid Tied PV System	23.08.2024	2024
3	Mr.Syed Abdul Razzaq	Dr. Siva Kumar S	An Ameliorated Power Control Strategy for Hybrid Micro Grid Interlinking Convertor	01.11.2023	2023
4	Mr.Mutharasan A	Dr. Chandrasekar P	Certain Investigations on Vibration-Based Condition Monitoring of Horizontal Axis Wind Turbines	26.08.2023	2023
5	Mr.Vempalle Rafi	Dr. Dhal P K	Power system reconfiguration using different heuristic algorithms to minimize the losses in distribution system	16.06.2023	2023
6	Mr.Ramesh Kumar T	Dr. Chandrasekar P	Computational Analysis and Performance Enhancement of Horizontal Axis Wind Turbine System	03.04.2023	2023

Details of Patent(s)

FACULTY ACCOMPLISHMENTS

S.No	Name of the Inventor	Applicant number	Title of innovation	Date of Publication / Grant	Approval Status
1	Dr. Chandrasekhar P	201841029827	Self Dependent Machine for Automotive Applications	04.01.2024	Granted
2	Dr. Karthikumar K Dr. Rayaguru N K	202141054894	Water Purification Using Sensors	02.08.2023	Granted
3	Bharathi T Dr. Ramesh S	202041057449	A device for an electric vehicle	29.02.2024	Granted
4	Chithras T	202341058825	Dynamic wireless charging system for an electric vehicle	06.10.2023	Published
5	Chithras T	202341058823	Intravenous Fluid Monitoring and Alerting System	06.10.2023	Granted
6	Chithras T	202341079323	Power Generation from Sludge Using A Microbial Fuel Cell	22.12.2023	Published
7	Chithras T	202341080079	An Integrated monitoring system for coal mine safety	22.12.2023	Published
8	Dr. Hari Charan Nannam	202341089376	A Novel Dual Source Split Source Inverter for Single-phase Applications	12.01.2024	Published
9	Chithras T	202441034245	Object Detection System for Improving Safety at Railways Crossing	10.05.2024	Published
10	Dr. Dhal P K	202441040777	A system for solar power monitoring and automatic cleaning of solar panels	31.05.2024	Published
11	Dr. Dhal P K	202441041459	A Surface defect detection apparatus	07.06.2024	Published
12	Dr. Rayaguru N K	202441047333	A portable system to generate and dispense a Disinfectant	05.07.2024	Published
13	Dr. Rayaguru N K	202441042702	A Portable Non-invasive Vein finder for easy visualization and human veins.	07.06.2024	Published
14	Dr. Rayaguru N K	202441045156	Multi-Functional Alarm Sensor system	21.06.2024	Published
15	Dr. Chandrasekhar P	410485-001	Wireless charging gadget for Electric Vehicle	14.03.2024	Granted
16	Dr. Dhal P K	202341041472	Iot based network for monitoring and assessing water table in agricultural terrain	15.09.2023	Published
17	Dr. Dhal P K	404265-001	Digital cordless drilling machine	04.03.2024	Granted
18	Dr. Dhal P K	202441004209	An advanced neural network-based predictive maintenance system for autonomous systems with adaptive learning and real-time analytics	09.02.2024	Published
19	Dr. Dhal P K	6338623	An Intelligence Sensor Based Biodegradable Waste Collection Unit	22.01.2024	Granted

S.No	Name of the Faculty	Title of the Prototype / Product Developed	Prototype / Product	Proof
1	Dr. Priya RA	smart table tennis bat	Prototype	 The image shows a pink table tennis bat with a black PCB board mounted on the back. Various electronic components are labeled with numbers 1 through 8. A legend at the bottom left of the image lists the components: 1. ESP32 (WIFI&BT), 2. HX711 Sensor, 3. LOAD CELL (10kg), 4. PCB BOARD, 5. MPU6050 Sensor, 6. Push Button Switch, 7. Rechargeable Lith-ion Battery (3000mh), and 8. Charging Module (5v).
2	Dr. Karunanithi K	Single Phase 230v Ac To 12v Ac Transformer,	Prototype	 The image shows a rectangular transformer with a brown core and a white winding. It has two input wires (white and grey) and two output wires (black and grey). The transformer is mounted on a metal base.

List of active professional societies/ bodies/ chapters clubs.

S.N.	Name of the Professional society
1.	IEEE – Power and Energy Society

List of events/ programs organized.

S.N	Name of the Professional Societies	Name of the Event	National/ International level	Date of Event
1	IEEE- PES	Workshop on IoT (ESP32)	National	24.08.2023-26.08.2023
2	IEEE- PES	Workshop on ANSYS Solution to EV	National	13.10.2023
3	IEEE- PES	Workshop on Design and Fabrication of single phase transformer	National	17.10.2023
4	IEEE- PES	Workshop on Self-Sustained Intelligent Power Management Model for Smart and Microgrids	International	08.01.2024 - 12.01.2024

FACULTY DEVELOPMENT PROGRAM



A glimpse of Dr. K. Vijayakumar, FDP resource person from IIITDM–Kanchipuram



A glimpse of Dr. Alicia Sinsuw, FDP Resource Person from, Sam Ratulangi University, Indonesia

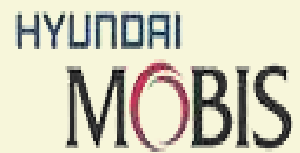
Student's Participations and Achievements

S. N.	Name of the Student	Name of the Event	State/National/International Level	Date of Event	Name of the Award
1	Sohaib Siddiq	Mock Interview Event- KRATORQ 2023 organized by SRM Institute of Science and Technology	State Level	06.10.2023	First place
2	Sohaib Siddiq	Illuminating Ideas – Infyra'23 National Level Technical Fest organized by Sairam Institute of Technology	State Level	16.10.2023	Second Place
3	Sohaib Siddiq	Innovision – Idea Presentation (Praestantia 2k23) organized by Sairam Institute of Technology	State Level	16.11.2023	First place
4	Sohaib Siddiq	Paper presentation in National Conference on Advancement in Artificial Intelligence and Emerging Trends (NCAA IET'23) organized by Sairam Engineering College	State Level	21.11.2023	Second Place
5	Sohaib Siddiq	Paper presentation in International Conference on Material Processing using Lasers and Surface Engineering (IMPULSE 2023) organized by Indian Institute of Technology Madras	International Level	14.12.2023 to 15.12.2023	Presented

List of student publications.

S.No.	Name of the Student	Name of the Publisher	Name of the Journal/ Conference, etc.	Volume No. & Issue No.	Name of the Award if any
1	Pranav Kumar Rowlo	Elsevier	Utility Policy	Vol No. 86	Published
2	Kongri. D.	Asian Research Publishing network	ARNP Journal of Engineering and Applied Sciences	Vol No. 18, Issue No. 19	Published
3	Keerthi G, Geetha U, Tejaswini G.S.	IEEE	2023 International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics (AIKIE)	-	Presented
4	Siddique, S.A.	AIP	AIP Conference proceedings	Vol No. 3192, Issue No.1	Presented
5	Ankita Parida	IEEE	2024 IEEE North Karnataka Subsection Flagship International Conference	-	Presented

Recruiters



Average
Salary

INR
5.4 LPA

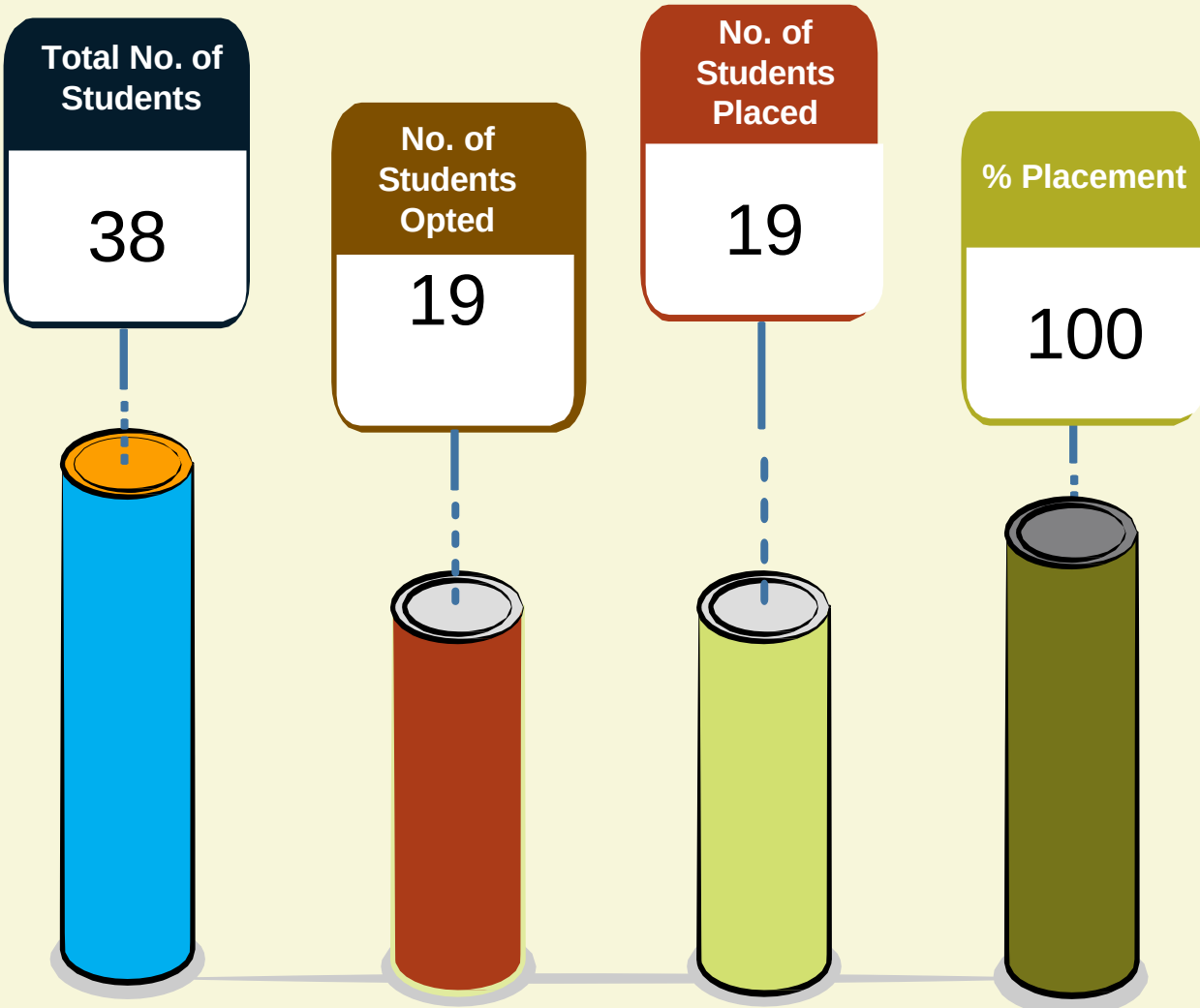
INR
8.4 LPA

Maximum
Salary

INR
3 LPA

Minimum
Salary

Placement



GATE Qualified



**Mr. Pranav Kumar
Rowlo**

(VTU 17929)
B.Tech. Final Year,
(Batch 2020-2024)



**GATE Score :
354**

**All India Rank :
7584**

EE

**GATE Score :
360**

**All India Rank :
7824**

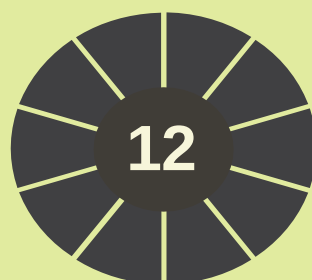
EC

Successfully Qualified in **GATE 2024** with **Dual GATE Scores** in Electrical Engineering (EE) and Electronics and Communication Engineering (EC)

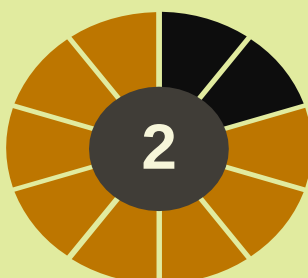
Patent



Granted



Published



Filed

Research Proposal

Faculty Members have submitted research proposal in various funding agencies including **DST, SERB, AICTE** etc., with a worth of INR 6.67 Crores

RESEARCH PROPOSAL SUBMISSION

S. No.	Name of the Investigators	Title	Funding Agency/ Scheme	Amount (INR)
1	Dr.S.Ramesh	Smart Grid Technologies	FIST-2024	2,17,99,248
2	Dr.S.Sivakumar Dr.S.Ramesh	Predictive Maintenance and Adaptive Control for Energy-Efficient AI-Enabled Industrial Water Purification System	DST-WTC	84,39,000
3	Dr.S.Ramesh Dr.K.Karunanithi	AI Based Energy Efficient Dual Rotor Machine Model For Performance Enhancement of Electric Mobility	CM Research Grant	37,49,860
4	Dr.P.Chandrasekhar Dr.Haricharan Nannam	Real-Time Implementation of Cost-Effective Solar Powered 6.6 kW Standalone DC Microgrid System in Tribal Remote Areas of Aliyar Region, Coimbatore District	CCCE-DST	35,00,000
5	Dr.K.Karunanithi Dr.S.Ramesh	Optimized Generation Expansion Planning for Tamil Nadu State to Enhance Sustainable Energy Development	CM Research Grant	31,61,360

RESEARCH PROPOSAL SUBMISSION

S. No.	Name of the Investigators	Title	Funding Agency/ Scheme	Amount (INR)
6	Dr.Karthikumar K Dr.Rajakumar	Optimizing Direct Torque Control with Battery Power Management for Open-End Winding Induction Motor Drive in Electric Vehicles	SERB - SURE	29,63,781
7	Dr.K.Vinoth Dr.K.Karunanithi	Design and Implementation of Multilevel Inverter based Shunt Active Filter for Power Quality Solutions to Industrial Applications	SERB- SURE	29,31,080
8	Dr.S.Ramesh	Technology Demonstration of Energy-Efficient In-Wheel Hub Based Single and Dual Rotor Machines For EV Application Using FEA and AI	SERB- SURE	29,11,000
9	Dr.S.Vinoth John Prakash Dr.P.K.Dhal	Design and Development of 20 kW Concentrated Solar Power with Solar PV Panels and Enhancing the Efficiency using Machine Learning Technique	SERB SUPRA	28,89,000
10	Dr.Haricharan Nannam	Design and Implementation of a Novel Dual- Source Single-Phase Single-Stage Inverter in a Grid Connected Photovoltaic and Wind Energy Systems	SERB- SURE	28,40,000

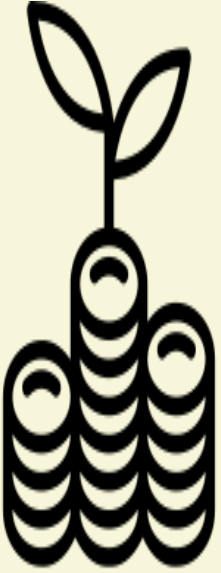
RESEARCH PROPOSAL SUBMISSION

S. No.	Name of the Investigators	Title	Funding Agency/ Scheme	Amount (INR)
11	Dr.K.Karunanithi Dr.S.Ramesh	An Energy Management and Scheduling of EV Charging Stations under Power Quality issue classification and Mitigation	SERB-SURE	28,23,360
12	Dr.S.Sivakumar	A Modern Power Control Strategy for a Hybrid Microgrid Integrating Converter using Artificial Intelligence Techniques	SERB-SURE	25,23,360
13	Dr.Priya.R.A Dr.Sridevi.S	A Standalone Magnus Effect Wind Energy Conversion System using Artificial Intelligence for Compatible Prosumers	SERB POWER	21,10,000
14	Dr.S.Ramesh	Analysis Design and Development of Energy Efficient Dual Rotor Motor for EV Applications	TARE	16,80,000
15	Dr.K.Karthikumar	Battery Power Management and Torque Control of Open End Winding Induction Motor Drive for Electric Vehicle	TNSCST	4,25,000

RESEARCH PROPOSAL SUBMISSION

S. No.	Name of the Investigators	Title	Funding Agency/ Scheme	Amount (INR)
16	Dr. P. Chandrasekar Dr. S. Amosedinakaran	Design and Development of Smart Fire Extinguishing System focusing Southern Western Ghats Wild Fire using IoT and Rainwater Harvesting	TNSCST	3,38,000
17	Dr.K.Karunanithi Dr.S.Ramesh	Design and Development of Battery Powered E-Weeder for Inter-row Crops	TNSCST	3,36,000
18	Dr.Priya.R.A Dr.Hema.S	AI based Magnus Effect Wind Turbine System for Smart Home	TNSCST	3,32,000
19	Dr.S.Sivakumar	IOT based Energy Management system for Autonomous Hybrid Micro-Grid	SEED Fund	2,00,000
20	Dr.S.Vinoth John Prakash	Design and Implementation of IoT based Solar Microgrid System	SEED Fund	1,98,700

Research Funding



2 Faculty members have received
SEED Grant worth of INR 3,58,000/-.



**Dr. Hari Charan
Nannam**
Assistant
Professor
TTS 3529

Amount Sanctioned: ₹ 1,98,000/-



Dr. R. A. Priya
Assistant
Professor
TTS 3550

**Amount Sanctioned: ₹
1,60,000/-**

Unnat Bharath Abhyan 2.0



Dr. N K Rayaguru
Associate Professor
TTS2666

Received a Grant of INR 50,000/- through Unnat Bharath Abhyan 2.0 for Rural Energy Systems supported IIT Delhi

Research Development Fund (RDF)



Dr.K.Karthikumar



Dr.S.Ramesh

Two of our Faculty members have received INR 1,50,000/- under Research Development fund scheme for having high impact factor publications in 2023.

Best Paper Award



Dr. S. Sivakumar
(TTS1326)
Asso. Prof / EEE

Industry Interaction Course



Industry Name: Auckam Technologies
Pvt.Ltd.

Course Name: PCB Design & Assembly

Expert Name: Mr.A.Balasuresh

No. of Students Benefited: 24

Industry/Higher Learning Institute Interaction



Industry Name: Deutsche WindGuard

Course Name: Wind Energy Technology for
Electrical Engineering

Expert Name: Dr.R.Kumaravel

No. of Students Benefited: 28

Higher Learning Interaction Course



Professor Name: Dr. Sheldon Williamson

**University Name: University of Ontario Institute
of Technology, Canada**

**Course Title: Electrical Energy Storage
Systems**

No. of Hours: 15

No. of Credits: 1

No. of Students Attended: 12

Higher Learning Interaction Course



Professor Name: Dr Lung-Jieh Yang

University Name: Tamkang University, Taiwan

**Course Title: Sustainability and Offshore Wind
Farm**

No. of Hours: 15

No. of Credits: 1

No. of Students Attended: 29

Event Organized – Workshop



Department of EEE, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology associated with Human Resource Development Centre organized **Five Days International Workshop on “Self-Sustained Intelligent Power Management Model for Smart and Microgrids”** From 8th January to 12th January 2024.

GRADUATION 2023-24

Students who graduated from the program in the stipulated course duration- 2023-24

S.No.	Stu_id	Stu_Name	Stu_CGPA	Stu_Class
1	VTU17114	GUDDIGALLA SAI KUMAR	7.25	FIRST CLASS
2	VTU17116	SHAIK KARIMULLA	7.48	FIRST CLASS
3	VTU17037	DAKYRMEN KONGRI	8.27	FIRST CLASS WITH DISTINCTION
4	VTU17227	BALAJEE	7.96	FIRST CLASS
5	VTU17899	NEELAMSETTY REVANTH KUMAR	9.14	FIRST CLASS WITH DISTINCTION
6	VTU17929	PRANAV KUMAR ROWLO	9.38	FIRST CLASS WITH DISTINCTION
7	VTU17522	PURAMSETTI VEERAVENKATA NAGA SATYANARAYANA	7.16	FIRST CLASS
8	VTU21653	KAMBAM VENKATA SAIKUMAR REDDY	9.42	FIRST CLASS WITH DISTINCTION
9	VTU21664	THANEERU ROHITH VARUN	8.81	FIRST CLASS WITH DISTINCTION
10	VTU21655	NIROJ PALAI	8.57	FIRST CLASS WITH DISTINCTION
11	VTU21657	PATHAKOTA SUMANJALI	8.5	FIRST CLASS WITH DISTINCTION
12	VTU21658	PULAVARA BHAVYAPRIYA	8.99	FIRST CLASS WITH DISTINCTION

13	VTU21628	YARRAMSETTI LAKSHMI PRASANNA KUMAR	8.14	FIRST CLASS WITH DISTINCTION
14	VTU18224	NAMALA PRUDHVI VENKAT	8.23	FIRST CLASS WITH DISTINCTION
15	VTU18296	C JASWANTH REDDY	8.72	FIRST CLASS WITH DISTINCTION
16	VTU18550	MANOJ KUMAR	8.33	FIRST CLASS WITH DISTINCTION
17	VTU18180	GADI REVANTH JASHUVA	7.08	FIRST CLASS
18	VTU18038	CHINTHAPALLI VEERA REDDY	7.01	FIRST CLASS
19	VTU11999	R S ASWIN KUMAR	8.64	FIRST CLASS WITH DISTINCTION
20	VTU12307	SABAREESH S	7.54	FIRST CLASS
21	VTU12400	KISHORE KUMAR A	6.78	FIRST CLASS
22	VTU17011	AJEET KUMAR	7.83	FIRST CLASS
23	VTU16961	GANDAVARAPU DILEEP	8.31	FIRST CLASS WITH DISTINCTION
24	VTU16962	CHALLA HARISH	8.45	FIRST CLASS WITH DISTINCTION
25	VTU16976	NADIMINTI ADISANKAR	7.43	FIRST CLASS
26	VTU16908	LUNTAN YANKIUBA	8.74	FIRST CLASS WITH DISTINCTION
27	VTU16813	MD SHAHZEB	7.38	FIRST CLASS

EDITORIAL TEAM

Editor-in Chief

Dr.S.Vinoth John Prakash,
Assistant Professor, EEE

Data Collection

VTU 16908 Luntan Yankiuba
VTU 21658 Pulavara Bhavya Priya

