



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



ANNUAL REPORT

2022 - 2023

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 2022-23 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 2022-23. 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 Esteemed Faculty, Staff, and Students,

As we embark on this reflective journey, I am immensely proud of the remarkable accomplishments and advancements that have defined our trajectory over the past year.

In the pursuit of academic excellence, our dedicated faculty members have continued to uphold the highest standards of teaching, research, and mentorship. Their unwavering commitment to fostering a dynamic learning environment has undoubtedly shaped the next generation of brilliant minds in the field of Electrical and Electronics Engineering. Our students have showcased exceptional brilliance and ingenuity in their academic pursuits and extracurricular activities. Their enthusiasm, determination, and passion for innovation continue to be a source of inspiration for all of us.

Throughout the year, the department of Electrical and Electronics Engineering has made significant strides in cutting-edge research and development, contributing to groundbreaking discoveries and technological advancements. We have actively engaged in initiatives aimed at promoting sustainable development, technological literacy, and social responsibility.

I extend my heartfelt gratitude to each and every member of the department for their unwavering dedication and hard work. Your relentless efforts have been instrumental in making our department a beacon of excellence in the realm of Electrical and Electronics Engineering. Together, let us embrace the opportunities that lie ahead and strive to create a brighter, more sustainable future through our collective endeavors.

Message from Dean's Desk

Dr.V.Jayasankar
**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 2022-23. 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 2022-23, 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.P.Chandrasekar

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 2022-23. 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 2022-23 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. Our B.Tech. program graduates who have preferred placements through the campus placement program have received 100% placement.

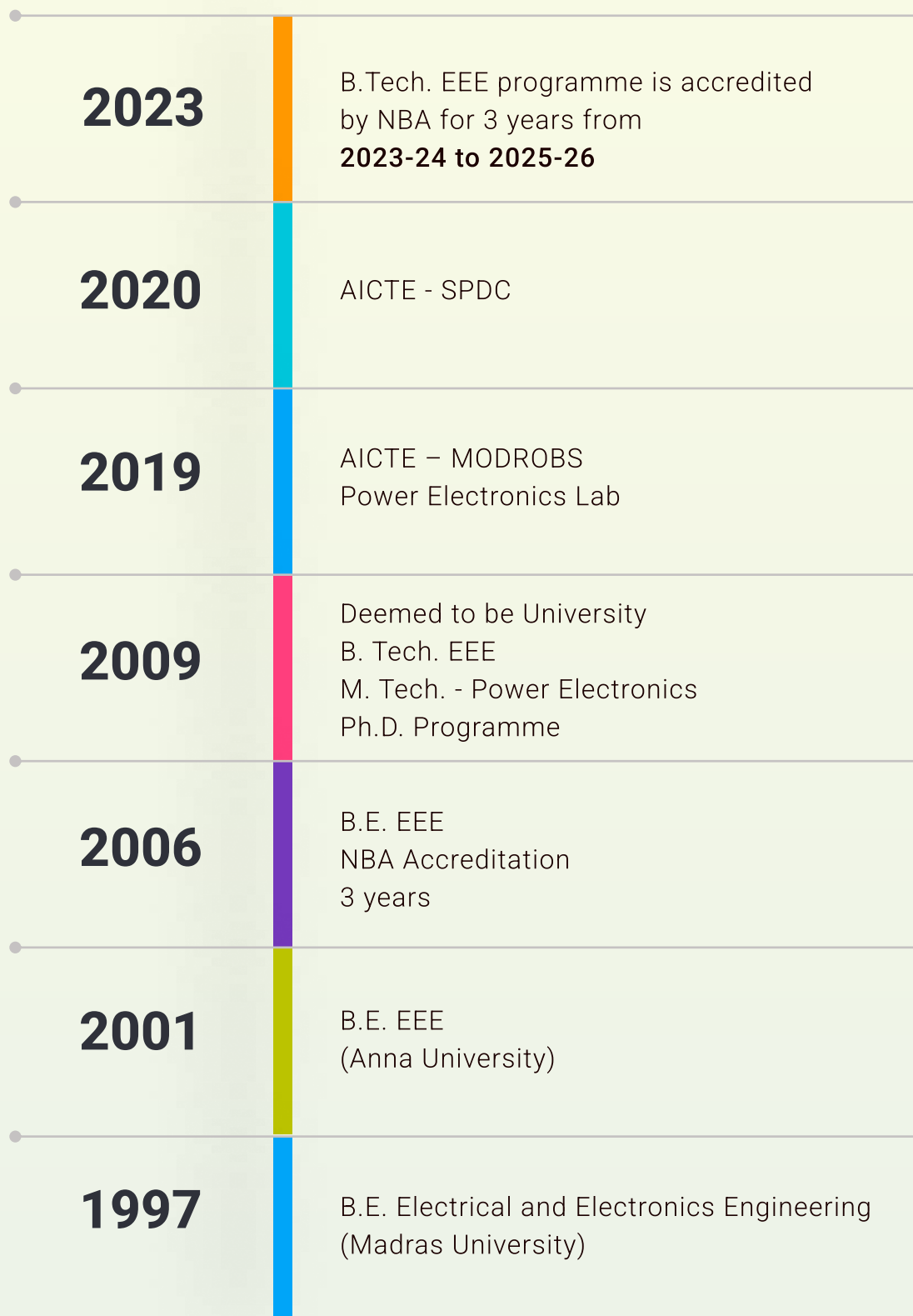
I want to express my heartfelt gratitude to all our faculty members, students, staff, alumni, industry partners, and supporters who have played a pivotal role in our department's continued growth and success. Your unwavering support and collaboration have been instrumental in our journey, and I look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

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Department Timeline



DEPARTMENT PROFILE

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.

Facts and Figures - EEE

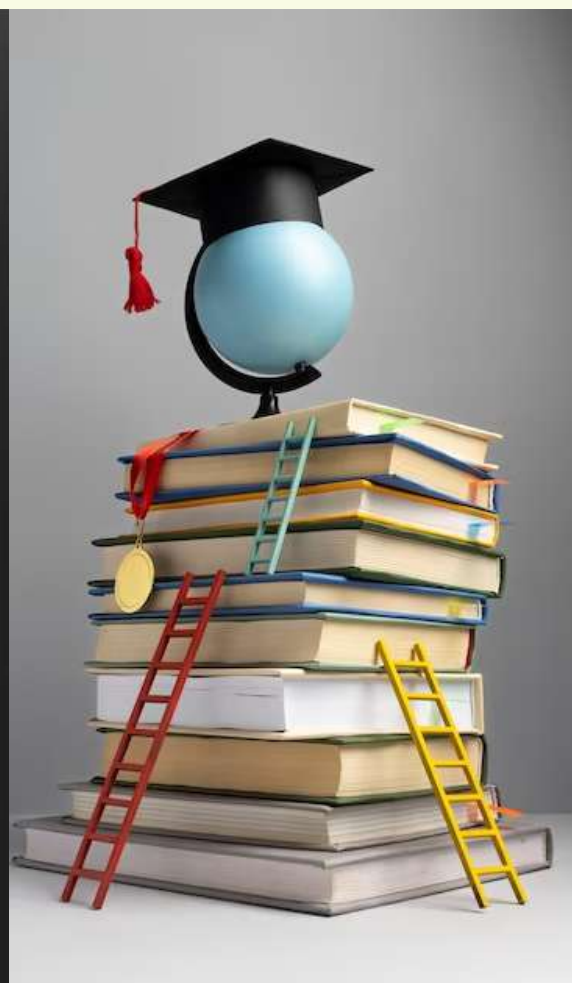


Programmes Approved by AICTE

B.Tech - Electrical & Electronics Engineering

**M.Tech -
Power Electronics**

Ph.D - Electrical & Electronics Engineering



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:

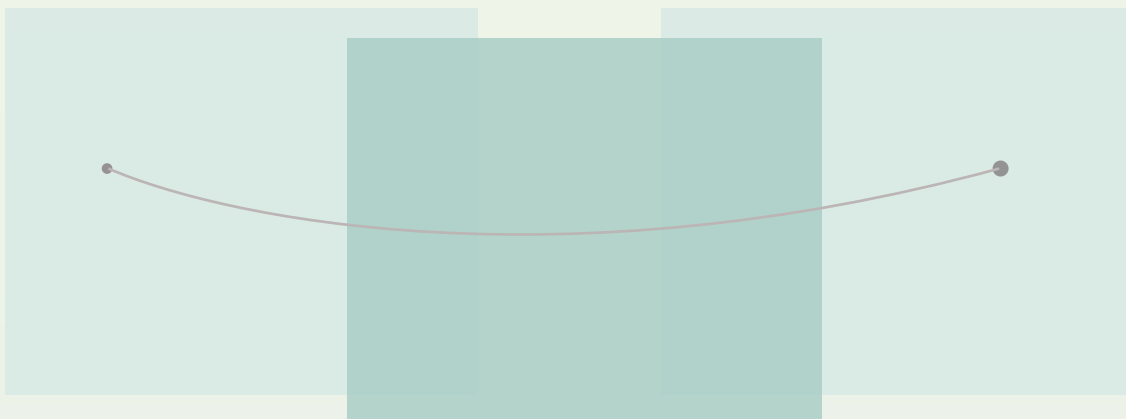
1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated 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.

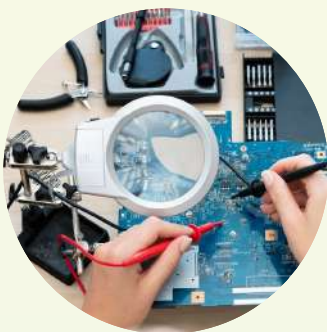
PSO2: Design, develop and implement Electrical, Electronics and Allied engineering systems to meet the demands of industry and suggest solutions for social needs.



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

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

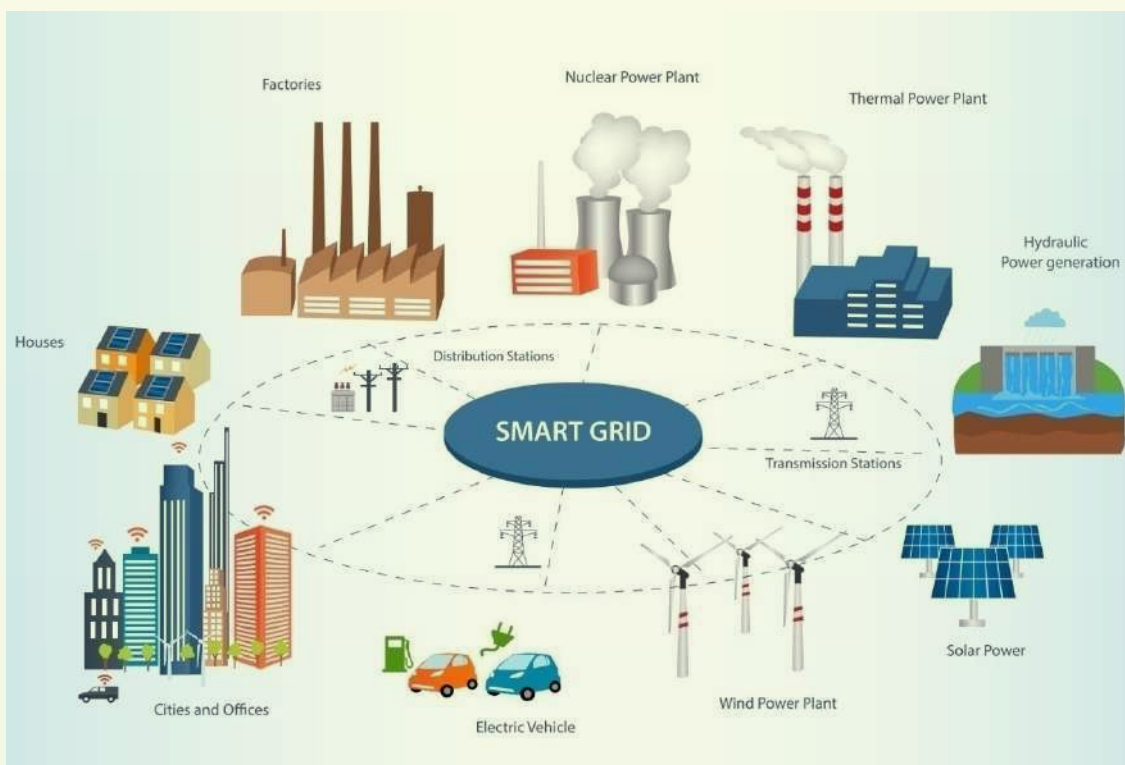
MINOR DEGREE IN RENEWABLE ENERGY SOURCES

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

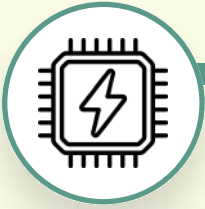


Programme Elective (PE) Courses List of Courses for 18 Credits



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

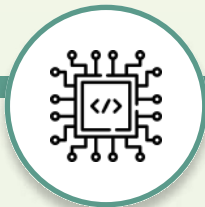
Special Electrical Machines

7

Electromagnetic Interference & Compatibility

8

Solid State Drives



Embedded Systems Domain

1

Principles of Robotics

2

Embedded Systems

3

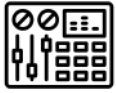
Control of Electric Embedded Drives

4

VLSI System & Design

5

Wearable Electronics



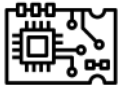
Instrumentation & Control Domain

- 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

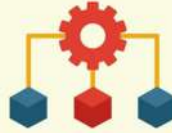
7

Electrical Safety and Safety Management

Laboratory Courses

1

Voltage Stabilizer Fabrication



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



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

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, 40 MOSFET, 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

3. Control and Instrumentation Laboratory



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. P, PI, 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 | 6. Lamp loads |
| 2. Wattmeter | 7. Energy Meter |
| 3. Lux Meter | |
| 4. Auto transformers | |
| 5. Resistive Loads | |

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 category from the academic year 2023-24 to 2025-26.

राष्ट्रीय प्रत्यायन बोर्ड NATIONAL BOARD OF ACCREDITATION

चौथा तल, ईस्ट टावर, एन. बी. सी. प्लेस, भौषम 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	Academic Years 2023-2024 to 2025-2026 i.e. upto 30-06-2026	
3.	Electrical & Electronics Engineering		Accredited		

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./...

- ★ The department has organized IEEE Power & Energy Society Sponsored Faculty Development Program on “Smart Grid Simulation” during the month of December 2022.



- ★ The department has also organized hands-on workshop on “Transformer Making” for the benefit of students



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 Research Domain



FACULTY NAME	RESEARCH DOMAIN
 Dr. S.Ramesh TTS 2784 Professor	1. Electric vehicle 2. Power System Optimization 3. Evolutionary Algorithms 4. Non-Destructive Testing
 Dr. P.K.Dhal Professor TTS 351	1. Power System Stability 2. Optimization Renewable Energy Commitment
 Dr. P.Chandrasekar Professor TTS 2085	1. Power Quality 2. Signal Processing 3. Smart Grid
 Dr. K.Karunanithi Professor TTS 2736	1. Energy Planning 2. Microgrid Design 3. Electric Vehicle 4. Electric Vehicle Charging System
 Dr. K.KarthiKumar Associate Professor TTS 3065	1. Smart Grid 2. Power Quality 3. Renewable Energy 4. Power System Optimization

FACULTY NAME	RESEARCH DOMAIN
 Dr. S. Sivakumar Assistant Professor TTS 1326	1. Embedded 5. Microgrid 2. IoT 6. Embedded N/W 3. Electric Vehicle 7. Renewable Energy 4. Smart Grid 8. Green Energy
 Dr. K. Vinoth Associate Professor TTS 2611	1. Multilevel Inverter 2. Power Quality 3. Renewable Energy
 Dr. S. Vinoth John Prakash Assistant Professor TTS 2026	1. Microgrid 2. Renewable Energy 3. Electric Vehicle Charging System
 Dr. Prabu M.S Assistant Professor TTS 3528	1. Power System Protection 2. Renewable Energy 3. Machine Learning to Power System
 Dr. P. Rajakumar Assistant Professor TTS 3514	1. Solar PV System 2. IoT 3. Renewable Energy
 Dr. S. Amosedinakaran Assistant Professor TTS 3517	1. Forecasting 2. Planning EV 3. Converter , Inverter

FACULTY NAME	RESEARCH DOMAIN
 Dr. N. Haricharan Assistant Professor TTS 3529	1. Single Stage Converter 2. Renewable energy 3. Power Electronic converters
 Dr. P. Babu Rao Assistant Professor TTS 3545	1. Power System Planning 2. Radial Distribution 3. Optimization Technique
 Dr. R.A. Priya Assistant Professor TTS 3550	1. Power Electronics & Drives 2. Renewable Energy 3. Analysis of Converter
 Dr. N.K. Rayaguru Associate Professor TTS 2666	1. Solar PV 2. Optimization 3. MPPT 4. DC-DC converter
 Mr. R. Sreedhar Assistant Professor TTS 2652	1. MPPT controller for Solar PV System 2. Battery
 Mr. P. Sathyanathan Assistant Professor TTS 3056	1. Multilevel Inverter 2. Converter 3. Electrical drives

FACULTY NAME

RESEARCH DOMAIN



Mr. P.Sivaraj
Assistant Professor
TTS 1495

1. Renewable Energy - Solar PV
2. EV



Mr. T.Chithras
Assistant Professor
TTS 2394

1. Electrical Vehicle Charging
Technology
2. IoT



Mrs. Priscilla Whitin
Assistant Professor
TTS 2325

1. Machine Learning & Deep learning



Mr. K.Barathi
Assistant Professor
TTS 2151

1. Renewable Energy



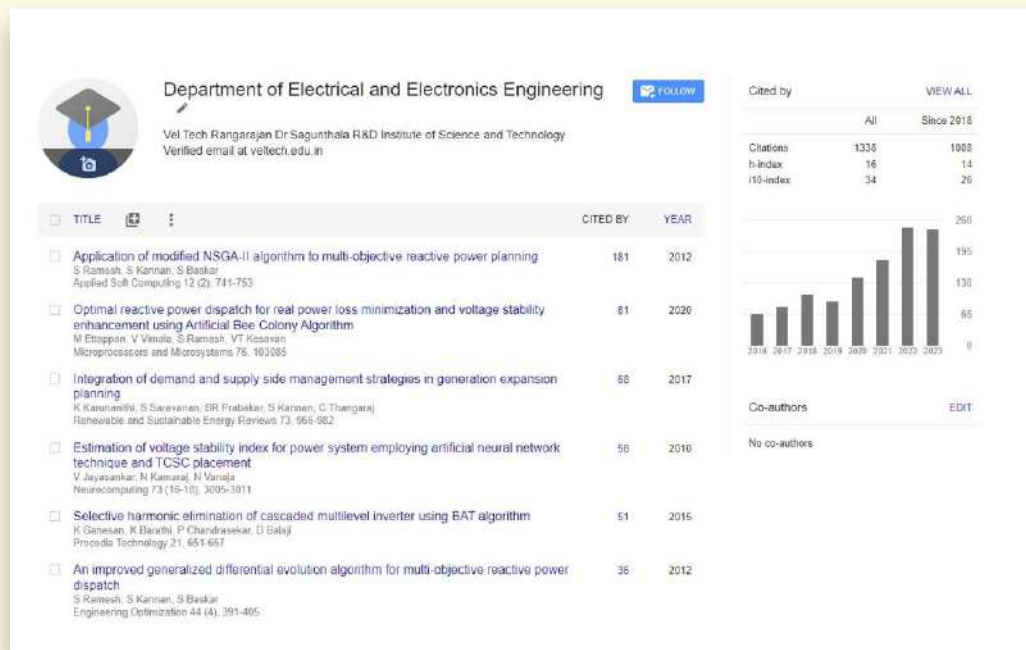
Faculty Research Publications:

Faculty members have published 37 peer reviewed journal articles indexed by Scopus and Web of Science in addition to 2 book chapters and 7 international conference papers.

37 JOURNALS

2 BOOK CHAPTERS

**7 INTERNATIONAL
CONFERENCE**



Web of Science Core Collection metrics

Citation counts are from Web of Science Core Collection.

78

Publications in
Web of Science

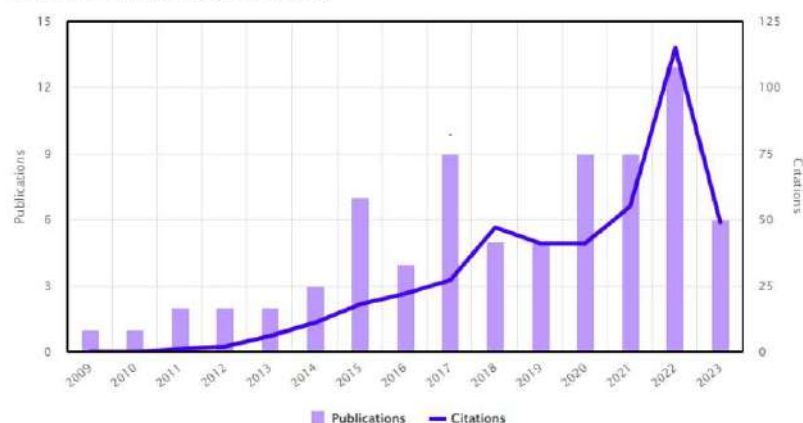
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Sum of Times
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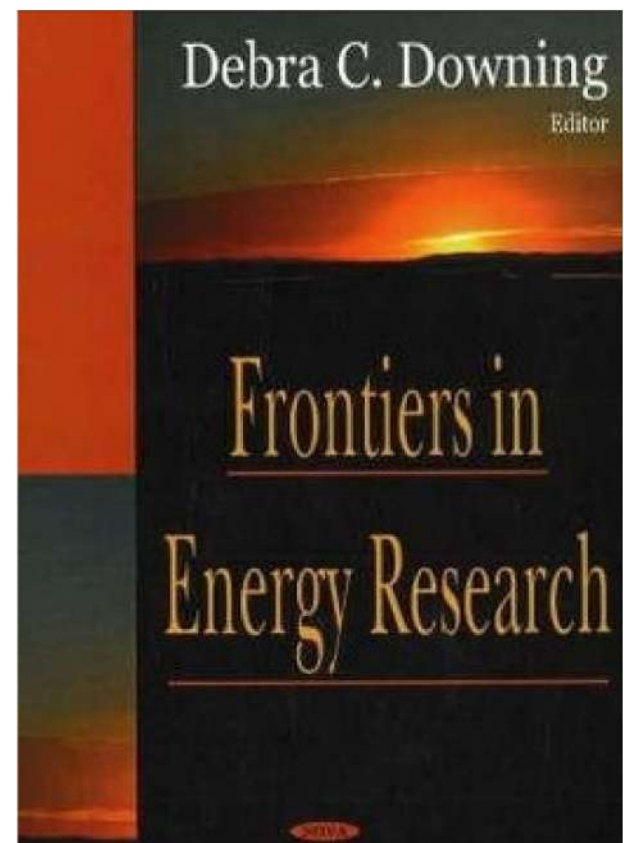
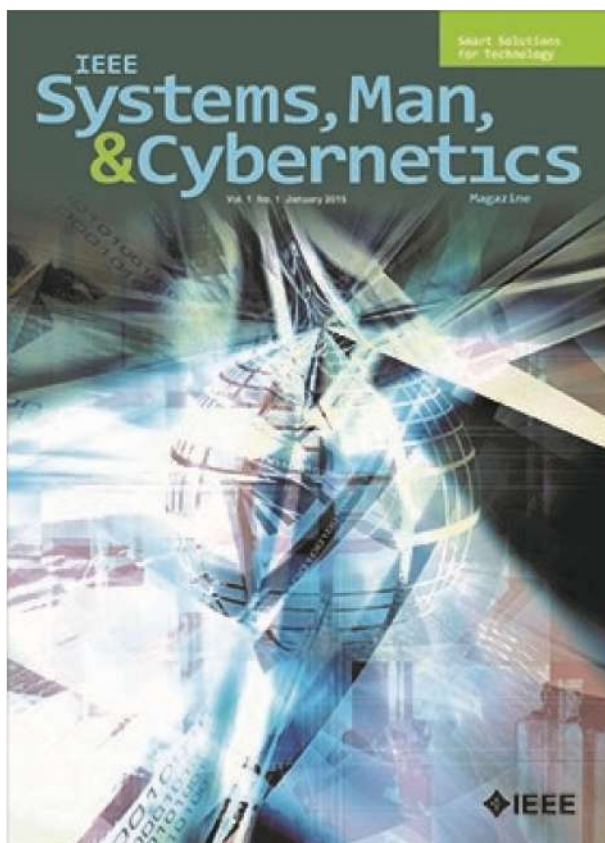
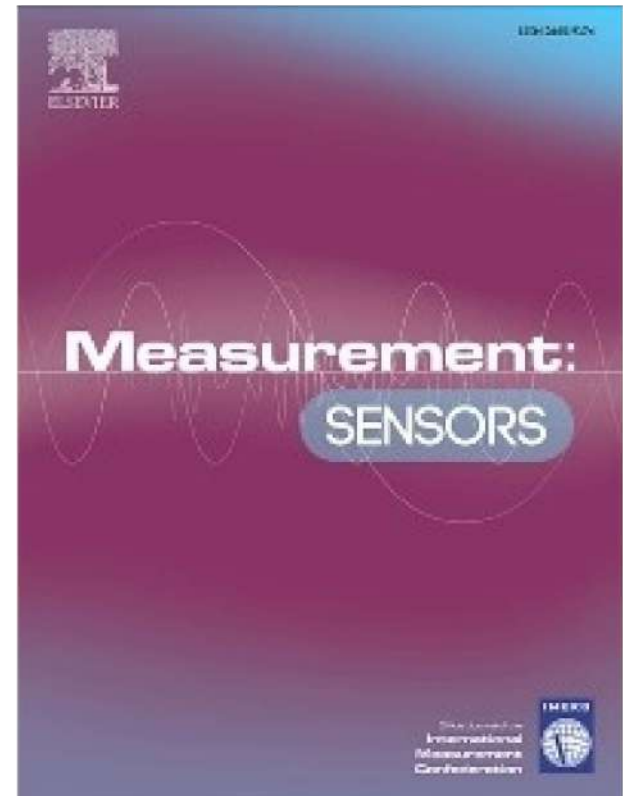
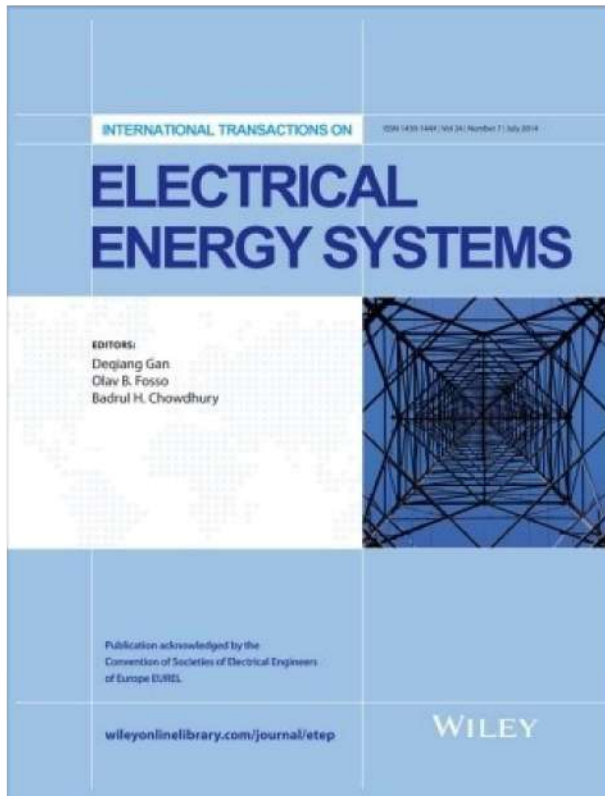
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H-Index

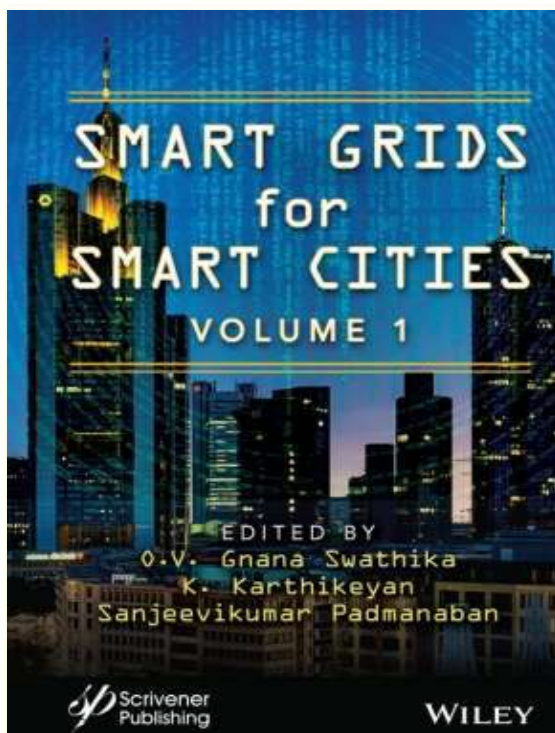
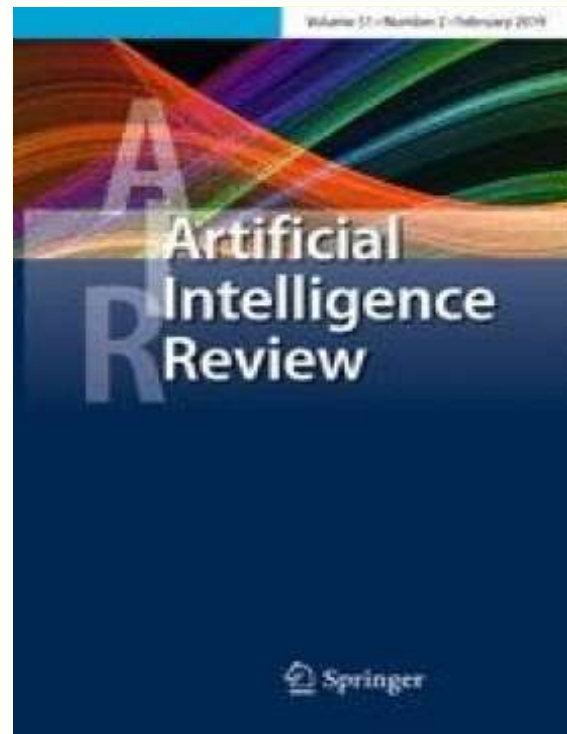
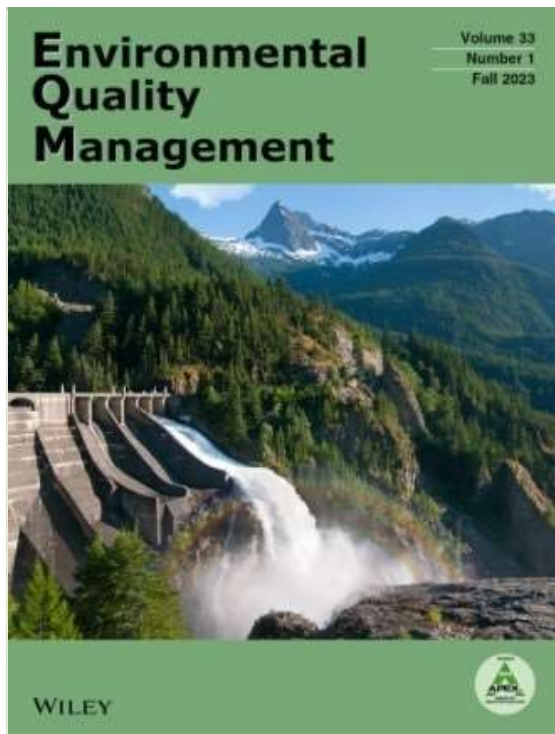
Times Cited and Publications Over Time



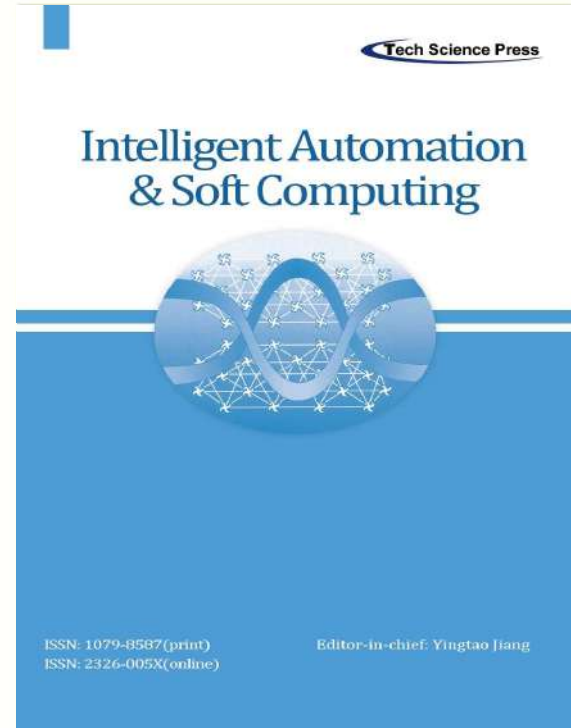
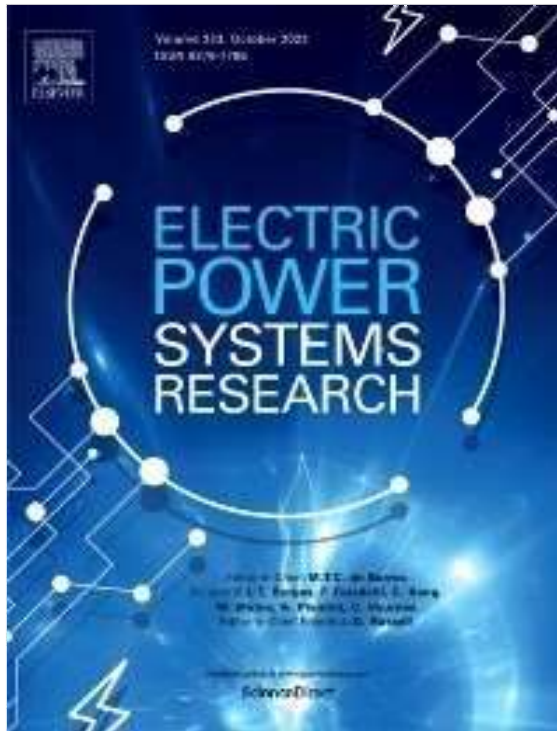
Faculty Research Publications:



Faculty Research Publications:



Faculty Research Publications:



2022 2nd International Conference on Intelligent Technologies (CONIT 2022)

Hubli, India
24-26 June 2022

Pages 1-650



IEEE Catalog Number: CFP22Z03-POD
ISBN: 978-1-6654-8408-4



Faculty Research Publications

S.No	Authors	Title	Journal Name	Article / Conference / Book Chapter	Indexed by Scopus/WoS
1	Ramesh, S., Karunanithi, K.	Multi Objective Optimal Power Flow Solutions Using Improved Multi Objective Mayfly Algorithm (IMOMA)	Journal of Circuits, Systems and Computers	Article	WoS
2	Dhal, P.K.	Optimization Technique for Renewable Energy Storage Systems for Power Quality Analysis with Connected Grid	International Transactions on Electrical Energy Systems	Article	WoS
3	Prabhu, M.S.	An intelligent protection scheme for series compensated transmission lines connecting largescale wind farms	Frontiers in Energy Research	Article	WoS
4	Ramesh, S., Karunanithi, K.	An optimal power flow solution to deregulated electricity power market using meta-heuristic algorithms considering load congestion environment	Electric Power Systems Research	Article	WoS
5	Vinoth, K.	Gaussian PI Controller Network Classifier for Grid Connected Renewable Energy System	Intelligent Automation and Soft Computing	Article	WoS
6	Dhal, P.K.	IOT based power control systems framework for healthcare applications	Measurement: Sensors	Article	Scopus
7	Ramesh, S., Karunanithi, K.	A hybrid DMORERNN based UPFC controller for transient stability analysis in grid connected wind diesel PV hybrid system	International Review of Applied Sciences and Engineering	Article	Scopus
8	Dhal, P.K.	Design and implementation of novel variants of multilevel inverters for traction	International Journal of Powertrains	Article	Scopus

S.No	Authors	Title	Journal Name	Article / Conference / Book Chapter	Indexed by Scopus/WoS
		and heavy vehicle applications			
9	Ramesh, S.	Thermal management using nano coated heat sink for electric vehicle battery cooling	Environmental Quality Management	Article	Scopus
10	Karthikumar, K.	An enhanced approach based grid flexibility analysis for combined heat and power systems with variable renewable energy systems	Energy and Environment	Article	Scopus
11	Karunanithi, K., Ramesh, S., Sreedhar, R.	Investigations of standalone PV system with battery super-capacitor hybrid energy storage system for household applications	International Journal of Information Technology (Singapore)	Article	Scopus
12	Vijaya Kumar, S.C., Karunanithi, K., Chandrasekar, P.	Modelling of electric vehicle charging station and controlled by fuzzy logic controller with different modes of operation	Journal of Control and Decision	Article	Scopus
13	Karunanithi, K.; Ramesh, S.	Optimum Sizing and Modeling of Stand Alone DC Micro-grid With Hybrid Energy Storage System for Domestic Applications: Cost of Energy, Net Present Cost, and Feasible Configurations	IEEE Systems Man and Cybernetics Magazine	Article	WoS
14	Whitin, P., Jayasankar, V.	A Novel Deep Learning Based System for RealTime Temperature Monitoring of Bone Hyperthermia	SSRG International Journal of Electrical and Electronics Engineering	Article	Scopus
15	Rayaguru, N. K.	Hybrid bat-grasshopper and bat-modified multi-verse optimization for solar photo-voltaics maximum power generation	Computer and Electrical Engineering	Article	WoS

S.No	Authors	Title	Journal Name	Article / Conference / Book Chapter	Indexed by Scopus/WoS
16	Karthikumar, K.	An SOA-RBFNN approach for the system modelling of optimal energy management in grid-connected smart grid system	Artificial Intelligence Review	Article	WoS
17	Barathi, K., Dhal, P.K.	PI Optimized Cuckoo Search Algorithm for Single Phase Grid Tied PV Inverter with SEPIC Converter	Mathematical Modelling of Engineering Problems	Article	Scopus
18	Ramesh, S., Chandrasekar, P., Karunanithi, K.,	An improved mayfly algorithm based optimal power flow solution for regulated electric power network	International Journal of Advanced Technology and Engineering Exploration	Article	Scopus
19	Dhal, P.K.,	A Review on Potential Opportunities to Preheat the Batteries Using a Finned Solar Air Energizer to Enhance Power Quality and Thermal Management in Low-Temperature Surroundings	International Transactions on Electrical Energy Systems	Article	WoS
20	Prakash, S.V.J., Dhal, P.K.	Cost optimization and optimal sizing of standalone biomass/diesel generator/wind turbine/solar micro-grid system	AIMS Energy	Article	WoS
21	Dhal, P.K.	Adaptive Neuro Fuzzy Inference System Based Intelligent Control for Grid Connected Hybrid Energy System with Improved SEPIC Converter	Journal Europeen des Systemes Automatises	Article	Scopus
22	Vinoth, K.,	Allocation of optimal energy from storage systems using solar energy	Energy Reports	Article	WoS

S.No	Authors	Title	Journal Name	Article / Conference / Book Chapter	Indexed by Scopus/WoS
23	Vinoth, K.,	Production and Characterization of Maximum Liquid Oil Products through Individual and Copyrolysis of Pressed Neem Oil Cake and Waste Thermocol Mixture	Advances in Polymer Technology	Article	WoS
24	Vinoth, K.,	Autonomous Multiport Solar Power Plant with Lithium Ion Battery Storage Using a Voltage Source Inverter for Automotive Applications	Advances in Materials Science and Engineering	Article	WoS
25	Vinoth, K.,	Tournament Selected Glowworm Swarm Optimization Based Measurement of Selective Harmonic Elimination in Multilevel Inverter for Enhancing Output Voltage and Current	Mathematical Problems in Engineering	Article	WoS
26	Karthikumar, K.,	A Machine Learning-Based Novel Energy Optimization Algorithm in a Photovoltaic Solar Power System	International Journal of Photoenergy	Article	WoS
27	Karunanithi, K., Chandrasekar P.	Regression Based Performance Analysis and Fault Detection in Induction Motors by Using Deep Learning Technique	Advances in Distributed Computing and Artificial Intelligence Journal	Article	WoS
28	Kalaiyarasi, M., Saravanan, S., Karunanithi, K., Raja, S.P.	A novel CZP-BC-FLASH ADC using zero phase bubble error robust controller for reliable VLSI circuits	International Journal of Information Technology (Singapore)	Article	Scopus
29	K., Karunanithi	Minimally parameterized segmentation framework with dual meta-heuristic optimization algorithms and FCM for detection	Biomedical Signal Processing and Control	Article	WoS

S.No	Authors	Title	Journal Name	Article / Conference / Book Chapter	Indexed by Scopus/WoS
		of anomalies in MR brain images			
30	Ramesh, S.,	MFO Tunned SVR Models for Analyzing Dimensional Characteristics of Cracks Developed on Steam Generator Tubes	Applied Sciences (Switzerland)	Article	WoS
31	Sivakumar, S.,	Machine Learning Approach on Time Series for PV-Solar Energy	Advances in Materials Science and Engineering	Article	WoS
32	Manimegalai, D.	Enhancing the Output Power of the Partially Shaded PV Array Using the Corona Virus Optimization Algorithm	IETE Journal of Research	Article	WoS
33	Rayaguru, N.K., Karunanithi, K.	Power quality improvement in PV-grid system using hybrid lion-GH algorithm based custom power device	International Journal of Energy Technology and Policy	Article	Scopus
34	P.Sivaraj	Switching loss analysis of IGBT and MOSFET in single phase PWM inverter fed from photovoltaic energy sources for smart cities	International Journal of System Assurance Engineering and Management	Article	WoS
35	P.Sivaraj, K.Karunanithi, P.Chandrasekar	Modelling and simulation of sinusoidal pulse width modulation controller for solar photovoltaic inverter to minimize the switching losses and improving the system efficiency	Archives of Electrical Engineering	Article	WoS
36	Sreedhar, R., Chandrasekar, P., Karunanithi, K., Vijayakumar, S.C.,	Design and validation of a single-phase buck–boost inverter with Grey Wolf optimization algorithm under partial shaded conditions	International Journal of Information Technology (Singapore)	Article	Scopus
37	Udhayaraj, N.,	Design of single switch-boosted voltage current suppressor converter for uninterrupted power	Electrical Engineering and Electromechanics	Article	WoS

S.No	Authors	Title	Journal Name	Article / Conference / Book Chapter	Indexed by Scopus/WoS
		supply using green resources integration			
38	Karthikumar, K., Chandrasekar, P	Transformer Less Grid Connected PV System Using TSRPWM Strategy with Single Phase 7 Level Multi Level Inverter	Smart Grids for Smart Cities: Volume 1	Book Chapter	Scopus
39	Prakash, S.V.J., Dhal, P.K.	Reliability Assessment for Solar and Wind Renewable Energy in Generation System Planning	Smart Grids for Smart Cities: Volume 1	Book Chapter	Scopus
40	Chandrasekar, P., Vijayakumar, S.C., Sivakumar, S.	Hybrid Renewable Energy System With Flyback Converter For Multiple Sources	Proceedings of the 9th International Conference on Electrical Energy Systems, ICEES 2023	Conference Paper	WoS
41	Vinoth, K.	Analysis of MLI based FPGA using hybrid controller techniques for SHAF	AIP Conference Proceedings	Conference Paper	Scopus
42	Dhal, P.K.	Fault Analysis and Security of Direct Current Deficiency of Modular Multilevel Converter System	2023 9th International Conference on Advanced Computing and Communication Systems, ICACCS 2023	Conference Paper	Scopus
43	Sivakumar, S.	Scada energy management system under the distributed denial of service attack using verification techniques by IIoT	Proceedings of the International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, ICECONF 2023	Conference Paper	Scopus
44	Chandrasekhar, P., Sivakumar, S.	Efficiency Enhancement of Solar Panel using IoT and Artificial Intelligence	Proceedings - 5th International Conference on Smart Systems and Inventive	Conference Paper	Scopus

S.No	Authors	Title	Journal Name	Article / Conference / Book Chapter	Indexed by Scopus/WoS
			Technology, ICSSIT 2023		
45	Dhal, P.K.	An Adaptive Modelling of Neuro Fuzzy and Craziness PSO Algorithm for DC Fault Protection System	IDCIoT 2023 - International Conference on Intelligent Data Communication Technologies and Internet of Things, Proceedings	Conference Paper	Scopus
46	Dhal, P.K.	Maximum Loadability Analysis of Particle Swarm Optimization Technique for Consideration of Stability by Continuation Power Flow	Lecture Notes in Networks and Systems	Conference Paper	Scopus
47	Rayaguru, N.K., Karthikumar, K., Chandrasekar, P.	Enhancement of power quality with UPQC in grid integrated and battery assisted PV system	AIP Conference Proceedings	Conference Paper	Scopus
48	Prakash, S.V.J., Dhal, P.K.	Analysis of slope and azimuth angle of solar panel with different solar trackers	2022 International Virtual Conference on Power Engineering Computing and Control: Developments in Electric Vehicles and Energy Sector for Sustainable Future, PECCON 2022	Conference Paper	Scopus
49	Krishnakumar, S.,	IoT-based Battery Management System for E-Vehicles	3rd International Conference on Smart Electronics and Communication, ICOSEC 2022 - Proceedings	Conference Paper	Scopus
50	Manimegalai, D.,	Image Processing-Based Switching Matrix for PV Array Under	Lecture Notes in Electrical Engineering	Conference Paper	Scopus

S.No	Authors	Title	Journal Name	Article / Conference / Book Chapter	Indexed by Scopus/WoS
		Partial Shading Conditions			
51	Manimegalai, D.	Automatic Soil Moisture Control and Seed Sowing using Agrobot	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022	Conference Paper	Scopus
52	Whitin, P., Jayasankar, V.	Deep Learning Based Facemask Detection	Proceedings of International Conference on Technological Advancements in Computational Sciences, ICTACS 2022	Conference Paper	Scopus
53	Sreedhar, R.	Multi-level Inverter with Reduced Switch Count and DC Source	2022 2nd International Conference on Intelligent Technologies, CONIT 2022	Conference Paper	Scopus

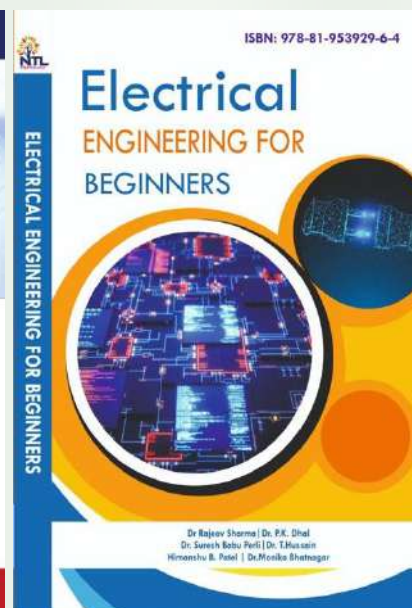
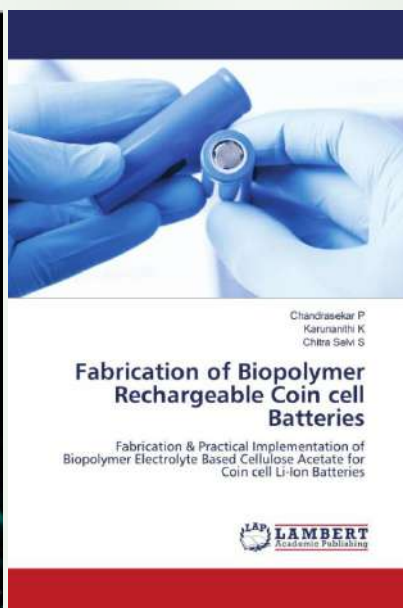
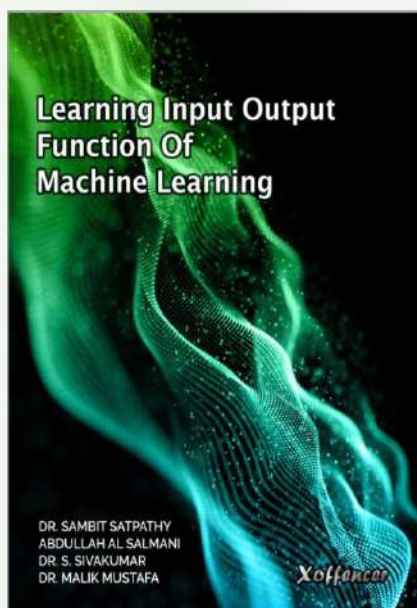
Faculty Innovations:

Our faculty members have published their innovative ideas for the grant of Patent.

Name of the Inventor	Title of the patent	Status	Year of Filing/Published/Award of patent	If published/awarded Patent Number
Dr.P.K.Dhal	Laplace transform in solving partial differential equation in the second derivative and its application	Published	26-11-2022	202221068103
Dr.P.K.Dhal	Early warning optical sensor system for inflow organic matter breach in large scale irrigation and water treatment systems method	Published	22-06-2022	202241035917
Dr.P.K.Dhal	Implementation of optimization models for reducing the electricity loads in residential distribution systems through machine learning approaches	Published	14-07-2023	202311040697
Dr.P.K.Dhal	Influence of the interconnection of wind turbines types I,II,III,and IV on the parameters of the hosting capacity of distribution systems	Published	09-02-2022	202241050139
Dr.S.Ramesh	Deep learning techniques to identify prime factors for handling strategic and crisis management	Published	08-04-2022	202211016037
Dr.K.Karthikumar	Non-contact hot water dispenser with solar panel	Filed	27/09/2022	371560-001
Dr.S.Sivakumar	Automatic Wireless charging mechanism for smart home devices with smart radiation positioning mechanism	Published	16-06-2023	202341037323
Dr.Haricharan Nannam Dr.P.Chandrasekar	The system of Sea water unicycle multi-products Power Plant(SWUMPP)	Published	30-06-2023	202341037748

Faculty – Text Book Publications:

Name of the Faculty	Title of the Textbook	Publisher Name	ISBN Number	Month & Year of Publication
Dr.S.Sivakumar	Learning input and output function of machine learning	Xoffencer	978-93-94707-90-0	MAY, 2023
Mr. P. Sathyanathan	Fundamentals of Power Electronics and Applications	GCS Publishers	9788196312510	JULY, 2023
Dr.P.Chandrasekar	Latent Heat Solar Energy Storage	Lap Lambert Academic Publishing	978-620-0-32528-0	AUG,2022
Dr.P.Chandrasekar	Fabrication of Biopolymer Rechargeable Coincell Batteries	Lap Lambert Academic Publishing	978-620-5-49455-4	NOV,2022
Dr.P.K.Dhal	Switchgear and Protection-Basics	Indo-Continental Academic Publishers, India	978-81-963033-7-2	APR,2023
Dr.P.K.Dhal	Electrical Engineering For Beginners	Ntl Technology Publishers	978-81-953929-6-4	MAY,2023



Research Proposals Submitted:

During the academic year 2022-23, about 9 research proposals were submitted to DST under various schemes and Seed research fund.

Name of the Investigators

Dr.S.Ramesh (PI)
Dr.K.Karunanithi (Co-PI)

Funding Agency

DST

36.09 Lakhs

Title of the Proposal

AI based optimal design and fabrication of dual rotor machine for performance enhancement of electric vehicle



Name of the Investigators

Dr.S.Vinoth John Prakash (PI)
Dr.P.K.Dhal (Co-PI)

Funding Agency

DST

28.89 Lakhs

Title of the Proposal

Design and Development of 20kW concentrated solar power with solar panels and enhancing the efficiency using machine learning technique.



Name of the Investigators

Dr.K.Karunanithi (PI)
Dr.S.Ramesh (Co-PI)

Funding Agency

DST

40.25 Lakhs

Title of the Proposal

Development of Standalone Hybrid Microgrid system considering EV charging station with different control strategies



Research Proposals Submitted:

Name of the Investigators

Dr.K.Karunanithi (PI)
Dr.S.Ramesh (Co-PI)

Funding Agency

DST

28.13 Lakhs

Title of the Proposal

Hybrid Deep Learning Algorithm
based Self adaptive Battery
Management System for
enhancing Electrical and Thermal
characteristics of LiFePO4 Battery

Name of the Investigators

Dr.K.Vinoth (PI)
Dr.K.Karunanithi (Co-PI)

Funding Agency

DST

28.83 Lakhs

Title of the Proposal

Design of PV Module Integrated
Converter FED MLI for PQ
solutions to Industrial
applications

Name of the Investigators

Dr.S.Sivakumar

Funding Agency

Seed Fund

2 Lakhs

Title of the Proposal

IoT based Energy Management
system for Autonomous Hybrid
Micro-Grid

Research Proposals Submitted:

Name of the Investigators

Dr.R.A.Priya

Funding Agency

Seed Fund

1.08 Lakhs

Title of the Proposal

Breast lump characterization into benign and malignant using shear wave elastography

Name of the Investigators

Dr.S.Amosedinakaran

Funding Agency

Seed Fund

0.67 Lakhs

Title of the Proposal

IoT based battery parameter monitoring and battery management system for E-vehicle

Name of the Investigators

Dr.Haricharan Nannam

Funding Agency

Seed Fund

1.93 Lakhs

Title of the Proposal

Design and Analysis of a reconfigurable single phase source inverter under variable load conditions

Faculty Enrichment Events – Participation

About 18 faculty members of EEE department have participated various skill enrichment events viz, Faculty development programmes (FDP), Short Term courses, Seminar and Webinars in both Online and offline modes.

Sl.No	Name of Faculty who attended	Title of the program	Nature of the program	Mode	Duration	
					From (DD-MM-YYYY)	To (DD-MM-YYYY)
1	Dr.P.K.Dhal	Optimization-Tools and techniques for solving real-world problems in the field of electrical engineering	Short Term Course	Online	12-06-2022	24-06-2022
		Research perspective & sustainable applications of artificial intelligence in electrical engineering	Short Term Course	Online	17-12-2022	22-12-2022
		Thesis documentation skills for researchers using MS Word, Excel and LaTeX editor	Workshop	Online	17-06-2022	19-6-2022
		International workshop on emerging trends	Workshop	Online	22-7-2022	26-7-2022
		Recent advances in electrical engineering	FDP	Online	17-10-2022	21-10-2022
		Roadmap and essentials of data science	Seminar/Webinar	Online	10-09-2022	-
		Emerging research trends in Computer Science and Engineering	Online course	Online	06-26-2023	07-10-2023
		Recent Trends in Green Energy Initiatives and Soft computing Techniques	FDP	Online	07-11-2023	07-15-2023

Sl.No	Name of Faculty who attended	Title of the program	Nature of the program	Mode	Duration	
					From (DD-MM-YYYY)	To (DD-MM-YYYY)
		FDP on Power System Design & Analysis using DlgSILENT PowerFactory Software	FDP	Online	12-04-2023	-
2	Dr.S.Ramesh	Smart Grids and Microgrids in Indian Context	FDP	Online	20-06-2022	24-06-2022
		Applications of Graph Theory and Artificial Intelligence in Distributor Feeder Management	FDP	Online	28-11-2022	02-12-2022
		Recent Trends in Electrical Engineering	FDP	Online	24-04-2023	28-04-2023
3	Dr.K.Karunanithi	Recent Trends in Electrical Engineering	FDP	Online	24-04-2023	28-04-2023
		Smart Grids and Microgrids in Indian Context	FDP	Online	20-06-2022	24-06-2022
		Applications of Graph theory and AI in distributor feeder management	FDP	Online	28-11-2022	02-12-2022
		FDP on Power System Design & Analysis using DlgSILENT PowerFactory Software	FDP	Online	20-04-2023	-
4	Dr.K.Karthikumar	National Seminar on Artificial Intelligence in Electrical Drives	Seminar/Webinar	Online	12-02-2022	12-02-2022
5	Dr.S.Sivakumar	Investigation of Modular Switched Capacitor Multilevel Inverter using Optimization Algorithms	Seminar/Webinar	Online	29.08.2022	-

Sl.No	Name of Faculty who attended	Title of the program	Nature of the program	Mode	Duration	
					From (DD-MM-YYYY)	To (DD-MM-YYYY)
		Upcoming Trends in Wearable Electronics and Internet of Things (IoT)	Seminar/Webinar	Online	15.10.2022	-
6	Dr.K.Vinoth	Attended one day Workshop on "National Education Policy "	Workshop	Offline	30.12.2022	30.12.2022
		Distribution feeder Management Different Approaches with Graph Theory and Artificial Intelligence	FDP	Online	28.11.2022	2.12.2022
		Smart Grid Simulation	FDP	Online	21.12.2022	22.12.2022
7	Dr.S.Vinoth John Prakash	FDP on Power system design & Analysis using DigSILENT Power Factory Software	FDP	Online	17.04.2023	17.04.2023
		FDP on Automation System Design & Simulation using Automation Studio Software	FDP	Online	19.04.2023	19.04.2023
		FDP on Microgrid System Design & Simulation using HOMER Pro & HOMER Grid Software	FDP	Online	21.04.2023	21.04.2023
		IIC 5.0 Calendar activity online workshop on "Prototype/ Process design and Development organized by Institution's Innovation council, Vel Tech	Workshop	Online	30.03.2023	30.03.2023
		Application of Graph Theory and Artificial	FDP	Online	10/6/2023	02.12.2022

Sl.No	Name of Faculty who attended	Title of the program	Nature of the program	Mode	Duration	
					From (DD-MM-YYYY)	To (DD-MM-YYYY)
		Intelligence in Distributor feeder management” organized by EEE department, QIS College of Engineering and Technology				
		3 days FDP entitled on “Teaching & Learning: Design Studio”, Vel Tech	FDP	Offline	19.09.2022	21.09.2022
8	Mr.K.Barathi	Smart Grid Simulation	FDP	Offline	21.12.2022	22.12.2022
9	Dr.P.Rajakumar	Microgrid System Design & Simulation using HOMER Pro & HOMER Grid Software	FDP	Online	21/04/2023	21/04/2023
		Automation System Design & Simulation using Automation Studio Software	FDP	Online	19/04/2023	19/04/2023
		System Design & Analysis using DIgSILENT PowerFactory Software	FDP	Online	17/04/2023	17/04/2023
10	Dr.S.Amosedinakaran	FDP on Power system design & Analysis using DigSILENT Power Factory Software	FDP	Online	12-04-2023	12-04-2023
		Automation System Design & Simulation using Automation Studio Software	FDP	Online	19/04/2023	19/04/2023
		Microgrid System Design & Simulation using HOMER Pro & HOMER Grid Software	FDP	Online	21/04/2023	21/04/2023

Sl.No	Name of Faculty who attended	Title of the program	Nature of the program	Mode	Duration	
					From (DD-MM-YYYY)	To (DD-MM-YYYY)
		Business Model Canvas (BMC)	Workshop	Online	25/03/2023	25/03/2023
11	Dr.M.S.Prabhu	Cyber Security of Smart Grid	Seminar/Webinar	Online	13-04-2023	13-04-2023
		FDP on Power System Design & Analysis using DIgSILENT PowerFactory Software	FDP	Online	12-4-2023	12-4-2023
12	Dr.Hari Charan Nannam	FDP on Microgrid System Design & Simulation using HOMER Pro & HOMER Grid Software	FDP	Online	23/04/2023	23/04/2023
		Automation System Design & Simulation using Automation Studio Software	FDP	Online	21/04/2023	21/04/2023
		FDP on Power System Design & Analysis using DIgSILENT PowerFactory Software	FDP	Online	21/04/2023	21/04/2023
		Emerging Applications of AI and IoT: Opportunities and Challenges-2023	FDP	Online	22/03/2023	26/03/2023
13	Dr.P.Baburao	Recent Advances in Cyber Physical Power System and Smart Grids	FDP	Online	08-05-2023	13-05-2023
		Modelling, Simulation & Control of Renewable Energy Systems	Short Term Course	Online	12-06-2023	16-06-2023
14	Mr.P.Sivaraj	Applications of graph theory and artificial intelligence	FDP	Online	28-11-2022	02-12-2022

Sl.No	Name of Faculty who attended	Title of the program	Nature of the program	Mode	Duration	
					From (DD-MM-YYYY)	To (DD-MM-YYYY)
		in distributor feeder management				
		Smart Grid Simulation	FDP	Offline	21-12-2022	22-12-2022
15	Mr.K.Prabu	Smart Grid Simulation	FDP	Offline	21.12.2022	22.12.2022
16	Mr.T.Chithras	The role of artificial intelligence in renewable energy applications	FDP	Online	01-08-2022	05-08-2022
		Applications of graph theory and AI in distribution feeder management	FDP	Online	28-11-2022	02-12-2022
		PLC and Automation	Workshop	Offline	10/6/2023	28-12-2022
17	Mr.R.Sreedhar	Data Science 2.0 Master Class	Workshop	Online	20-09-2022	21-10-2022
		Design and Modelling of IoT, AI & ML Systems	Workshop	Online	01-08-2022	05-08-2022
18	Mr.M.Karuppiah	Smart Grid Simulation	FDP	Offline	21.12.2022	22.12.2022



FACULTY REWARDS



Name	Designation	Purpose of Reward	Amount (Rs)
Dr. P. Chandrasekar	Professor	AICTE Funded Project and Publications	24,250/-
Dr. Dhal P K	Professor	Publications and Book Authored	31,250/-
Dr. K. Karunanithi	Professor	Publications	35,000/-
Dr. K. Karthikumar	Associate Professor	Publications	1250/-
Dr. K. Vinoth	Assistant Professor	Publications	20,000/-
Mr. P. Sivaraj	Assistant Professor	Publications	10,000/-
Dr. S. Vinoth John Prakash	Assistant Professor	Publication	2500/-



STUDENTS ACCOMPLISHMENTS

STUDENTS ATTENDED WORKSHOP/SEMINAR/WEBINAR

S.No.	Name of the Student	VTU No.	Nature of Event	Title of the Event	Organized by	Date of the Event
1	T.Venkata Karthik	24088	Workshop	Hands on Workshop: "DIY series Transformer Making"	EEE Dept., Vel Tech	28.03.2023
2	M.Hareesh	24084	Workshop	Hands on Workshop: "DIY series Transformer Making"	EEE Dept., Vel Tech	28.03.2023
3	P.Sumanjali	21657	Workshop	Recent trends in automotive energy storage systems	Vel Tech	10.03.2023 and 11.03.2023
4	P.Sumanjali	21657	Workshop	Workshop on "Entrepreneurship and Innovation as Career Opportunity"	Vel Tech	09.11.2022
5	K.Guhan	20248	Workshop	Recent trends in automotive energy storage systems	Vel Tech	10.03.2023 and 11.03.2023
6	U.Geetha	21325	Workshop	Recent trends in automotive energy storage systems	Vel Tech	10.03.2023 and 11.03.2023
7	U.Geetha	21325	Workshop	Hands on Workshop: "DIY series Transformer Making"	EEE Department, Vel Tech	28.03.2023
8	Harish Zade	21324	Workshop	Hands on Workshop: "DIY series Transformer Making"	EEE Department, Vel Tech	28.03.2023
9	Harish Zade	21324	Workshop	Recent trends in automotive energy storage systems	Vel Tech	10.03.2023 and 11.03.2023
10	Majji Sai Manohar	23879	Workshop	Online workshop on how does my smart phone works?	IIT Madras	01.04.2023
11	Manojkumar	18550	Workshop	Workshop on Marching towards Electric Vehicle and e mobility	Vel Tech	02.11.2022 and 03.11.2022
12	G Keerthi	24058	Workshop	Hands on Workshop: "DIY series Transformer Making"	EEE Department, Vel Tech	28.03.2023

S.No.	Name of the Student	VTU No.	Nature of Event	Title of the Event	Organized by	Date of the Event
13	Sandeep Kumar	20800	Workshop	Hands on Workshop: "DIY series Transformer Making"	EEE Department, Vel Tech	28.03.2023
14	P Bhavya Priya	21658	Workshop	Workshop on Marching towards Electric Vehicle and e mobility	Vel Tech	02.11.2022 and 03.11.2022
15	P Bhavya Priya	21658	Workshop	Participating in the English Olympiad	DP Cube Learning & Powered by ETS TOEFL	26.09.2022 to 1.10.2022
16	P. Bhavyapriya	21658	Workshop	Workshop on "Entrepreneurship and Innovation as Career Opportunity"	Vel Tech	09.11.2022
17	Gundoji Keerthi	24058	Workshop	Recent trends in automotive energy storage systems	Vel Tech	10.03.2023 and 11.03.2023
18	MAJJI SAI MANOHAR	23879	Workshop	First Place in Space Exploration Vel Tech 6th Science Fest	Vel Tech	24.03.2023
19	Varshini	22378	Sports	Vel Tech 6th Science Fest	Vel Tech	24.03.2023
20	Ramya Keerthana	22189	Sports	Vel Tech 6th Science Fest	Vel Tech	24.03.2023
21	Sandeep Kumar	20800	Skill Development Program	Youth Leadership Essentials	EEE Dept., Vel Tech	15.09.2022
22	Majji Sai Manohar	23879	Short term course	Short term course on Inspection and quality control in Manufacturing	IIT Roorkee	17.12.2022 and 18.12.2022
23	Niroj Palai	21655	Short Term Course	Robotics Course	Verzeo	01.10.2022 to 30.11.2022
24	P.Sumanjali	21657	Field Marketing	SANDHAI-2023	Vel Tech	30.10.2022
25	U. Geetha	21325	Field Marketing	SANDHAI-2023	Vel Tech	30.10.2022
26	Thaneeru Rohith Varun	21664	Field Marketing	SANDHAI-2023	Vel Tech	30.10.2022

STUDENTS COMPLETED NPTEL COURSES

S.No.	VTU No.	Name	Name of the Course offered by NPTEL
1	VTU15055	N.Abhishikth	Analog Electronic Circuits
2	VTU13029	Balagovardhan	
3	VTU13101	M.Vidyasagar	
4	VTU13829	Polipatigopi Chand	
5	VTU15059	Chpraneeth Kumar	
6	VTU13976	Utsav Kumar	
7	VTU13789	Uddagirigunasekhar	Digital Electronics and Microprocessor
8	VTU11656	Konetiveerapavan Kumar	
9	VTU14037	Y.Mohana Krishna Kumar	
10	VTU14053	Gopichandbandarupalli	
11	VTU13785	Riling Ton	Sensors and Actuators
12	VTU11952	Paiakitlang F Syiem	
13	VTU11906	Priyanshu	Fundamentals of Semiconductor Devices
14	VTU13786	G Veeravenkatasai Kumar	
15	VTU13799	B S P S Manohar	Introduction to Power Semiconductor Switches
16	VTU11946	Thadiboina Ashok	
17	VTU11938	Gootam Naga Swetha	Fundamental of Power Electronics
18	VTP3660	Kuntrumalai Vasan	Power Quality Improvement Technique
19	VTP3678	Abinash Kumar Singh	
20	VTP3707	Kaduluri Venkata Ramana	
21	VTP3727	Koteswararao Gorla	
22	VTP3305	Gauthaman C	
23	VTP3311	Joshi M	
24	VTP3322	R Veena	Basic Electronics

SKILL & PERSONALITY DEVELOPMENT COURSES PARTICIPATION

S.No.	Name of the student	Name of the Organization / Certification	Date / Duration	Name of the program
1	Mohammed Jamaluddin	HackingFlix	06.09.2022	Certification Course
2	Benjamin Lepcha	Kongunadu College of Engineering	21.04.2023 and 22.04.2023	Co-Curricular Activities
3	K Venkata Subba Reddy	Veltech	21.04.2022	Co-Curricular Activities
4	Bogari Shiva Prasad	St.Joseph College of Engineering , Chennai	19.04.2023 and 20.04.2023.	Co-Curricular Activities
5	Bala Govardhan	Veltech	04.06.2022	Co-Curricular Activities
6	Erra Harikrishna	Veltech	15.08.2022	Co-Curricular Activities
7	Purilla Chandra Sekar	Veltech	23.04.2023	Co-Curricular Activities
8	Polimera Manoj	EF SET	15.04.2023	English Proficiency Certification
9	Benjamin Lepcha	EF SET	14.04.2023	English Proficiency Certification
10	Mohammed Jamaluddin	EF SET	14.04.2023	English Proficiency Certification
11	Gaurav Kumar Gupta	EF SET	14.04.2023	English Proficiency Certification
12	Utsav Kumar	Pearson MePro	25.01.2023	English Proficiency Certification
13	Pedda Somappagari Preethi	TOFEL	26.09.2022 to 01.10.2022	English Proficiency Certification
14	Pathapalem Lokesh	EP SET	16.04.2023	English Proficiency Certification
15	Kunuthuru Harish Kumar Reddy	EP SET	16.04.2023	English Proficiency Certification
16	Puppala Chaitanya Sai Manikanta	EP SET	13.04.2023	English Proficiency Certification
17	Nalluri Abhishikth	Pearson MePro	02.12.2022	English Proficiency Certification
18	Chapalabanda Praneeth Kumar	Pearson MePro	02.12.2022	English Proficiency Certification
19	Rahul Bhagat	TOFEL	26.09.2022 to 01.10.2022	English Proficiency Certification
20	Diganta Nath	Pearson MePro	25.01.2023	English Proficiency Certification

S.No.	Name of the student	Name of the Organization / Certification	Date / Duration	Name of the program
21	Koneti Veera Pavan Kumar	Pearson MePro	20.04.2023	English Proficiency Certification
22	Konde Ananda Sai	EF SET	19.04.2023	English Proficiency Certification
23	Gootam Naga Swetha	Alison	11.05.2023	English Proficiency Certification
24	K Venkata Subba Reddy	EF SET	15.04.2023	English Proficiency Certification
25	Paikakitlang F Syiem	Pearson MePro	10.12.2022	English Proficiency Certification
26	Bogari Shiva Prasad	EF SET	13.04.2023	English Proficiency Certification
27	Bala Govardhan	Pearson MePro	05.01.2023	English Proficiency Certification
28	Madasu Venkata Sai Maruthi Rao	EF SET	14.04.2023	English Proficiency Certification
29	Chilakala Sai Sushmanth	Pearson MePro	20.04.2023	English Proficiency Certification
30	Shaik Abdul Mansoor	Pearson MePro	13.01.2023	English Proficiency Certification
31	Munulari Dwaraka Subramanyam	EF SET	13.04.2023	English Proficiency Certification
32	Erra Harikrishna	EF SET	14.10.2022	English Proficiency Certification
33	Mougapu Vidyasagar	Pearson MePro	20.03.2023	English Proficiency Certification
34	Maddiralla Vishnu Kumar	Pearson MePro	05.01.2023	English Proficiency Certification
35	Sivakumar Sarath	Pearson MePro	03.01.2023	English Proficiency Certification
36	Deshamoni Shiva Krishna	Pearson MePro	22.07.2022	English Proficiency Certification
37	B Chandra Shekhar	Pearson MePro	22.07.2022	English Proficiency Certification
38	Shaik Raice Ahmed	Pearson MePro	18.04.2023	English Proficiency Certification
39	Thakor Anniruddhsinh Takhatsinh	Pearson MePro	25.01.2023	English Proficiency Certification
40	Rilington Kharumnuid	Pearson MePro	18.01.2023	English Proficiency Certification
41	Veera Venkata Saikumar Gandham	Pearson MePro	29.04.2023	English Proficiency Certification
42	B S P S Manohar	EF SET	12.10.2022	English Proficiency Certification

S.No.	Name of the student	Name of the Organization / Certification	Date / Duration	Name of the program
43	Purilla Chandra Sekar	Pearson MePro	24.04.2023	English Proficiency Certification
44	Deepak Srinivas	EF SET Certificate	15.04.2023	English Proficiency Certification
45	Sai Satvika	EF SET Certificate	15.04.2023	English Proficiency Certification
46	Bogari Shiva Prasad	Veltech	2019.2023	Extra Curricular Activities
47	Chilakala Sai Sushmanth	Veltech	2019.2023	Extra Curricular Activities
48	Mougapu Vidyasagar	Veltech	31.05.2022	Extra Curricular Activities
49	Shaik Raice Ahmed	Veltech	2019-2023	Extra Curricular Activities
50	Veera Venkata Saikumar Gandham	Veltech	2019-2023	Extra Curricular Activities
51	Chinni Krishna	Veltech	2019-2023	Extra Curricular Activities
52	Deepak Srinivas	Veltech	04.06.2022	Extra Curricular Activities
53	Sai Satvika	Veltech	2019.2023	Extra Curricular Activities
54	Sai Satvika	Veltech	10.05.2022 to 19.05.2022	Extra Curricular Activities
55	Veera Venkata Saikumar Gandham	Veltech	2019-2023	Arts Club
56	Purilla Chandra Sekar	Veltech	2019-2023	Arts Club
57	Polimera Manoj	Veltech	21.06.2022	Yoga
58	Gaurav Kumar Gupta	Kayakalpa course at Veltech	10.04.2022	Yoga
59	Utsav Kumar	Kayakalpa course at Veltech	10.04.2022	Yoga
60	Diganta Nath	Veltech	21.06.2022	Yoga
61	Konde Ananda Sai	Veltech	21.06.2022	Yoga
62	Madasu Venkata Sai Maruthi Rao	Veltech	21.06.2022	Yoga
63	Deepak Srinivas	Veltech	21.06.2022	Yoga

SKILL AND PERSONALITY DEVELOPMENT PROGRAMS ORGANIZED



WEBINAR PROGRAM CONDUCTED

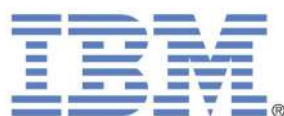
SPDC-AICTE sponsored webinar on “Youth Leadership Essentials”

Name of the Webinar	: Youth Leadership Essentials
Conducted by	: Department of Electrical & Electronics Engineering
Mode of Conducting	: Offline
Date	: 22-07-2022
Participants Registered	: 138
Participants Attended	: 31

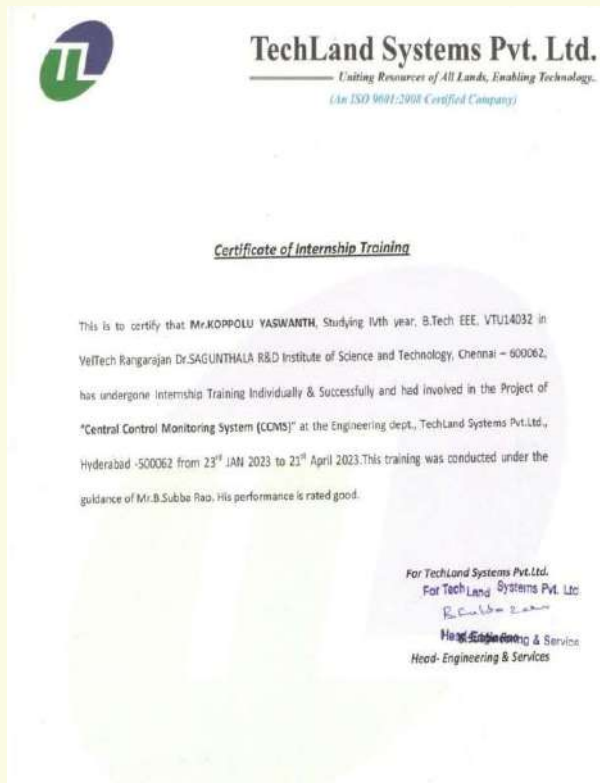


INPLANT TRAINING/INTERNSHIPS

Name of the Student	VTU No	Name of the Industry	Duration
Sivakumar Sarath	VTU13113	IBM	10.01.2023 to 09.07.2023
M Vishnu Kumar	VTU13112	Zoho	21.09.2022 to 31.05.2023
Koppolu Yaswanth	VTU14032	TechLand Systems Pvt. Ltd.	23.01.2023 to 21.04.2023
Thaneeru Rohith Varun	VTU21664	STANJO LED Corporation	11.07.2022 to 15.07.2022
U.Geetha	VTU21325	Kanyaka Prameshwari Engineering Limited	05.09.2023 to 09.09.2023
Sandeep Kumar	VTU20800	Kanyaka Prameshwari Engineering Limited	05.09.2023 to 09.09.2023
Gundoji Keerthi	VTU24058	Kanyaka Prameshwari Engineering Limited	05.09.2023 to 09.09.2023



INPLANT TRAINING/INTERNSHIPS



INTERNATIONAL INTERNSHIP



靜宜大學國際暨兩岸事務處
Office of International and Cross-Strait Affairs
43301 台中市沙鹿區台灣大道7段200號
200, Sec. 7, Taiwan Blvd., Taichung City 43301, Taiwan
TEL: +886(4)2632-8001 #11550 - 11553
FAX: +886(4)2652-6602
<http://www.oia.pu.edu.tw>



Dear Manohar,Boddety Surya Prakash Sai,

We're pleased to inform you that you've been admitted to **Taiwan Experience Education Program** in **2023 spring semester**. Congratulations! We look forward to welcoming you for an enjoyable period of educational and cultural opportunities and trust you will take advantage of your studies in Taichung, Taiwan. The stay period of the program is **from February 1st to July 31th, 2023**.

Important dates in the spring semester 2023
Recommended Arrival Date: During February 2nd – February 10th, 2023.
Intensive lectures during the semester: February 13th, 2023 – July 31th, 2023
Spring break : March 31th, 2023 – April 5th, 2023

Please refer to the following instructions below,

1. Please use this official document to give to any authority that may need to validate your stay in Taiwan. Please let us know if you need the original copy.
2. After receiving your admission letter, please contact the Taiwan Representative Office in your country to apply for Visitor VISA.

****Please take a photo or scan your visa page as a PDF or JPG file and email me as soon as you get the visa.****




Once again, welcome to the Providence family!

If you have any further questions, please contact Mr. Steven Su (stevensu@gm.pu.edu.tw). We look forward to meeting you at Providence University soon!



HIGHER LEARNING INSTITUTE INTERACTION



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

Title:
Smart Grid
Communication
Security
Electrical Energy
Storage Systems



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

Title:
Introduction to
IoT &
Applications



Prof. Dr. Javed Choudhury
La Trobe University,
Australia

Title:
Smart Grid
Communication
Security

COURSES OFFERED BY INDUSTRY EXPERTS

Industry Collaborated	: Auckam Technologies Pvt. Ltd
Course Handled	: PCB Design and Assembly
Name of the Expert	: Mr. A. Balasuresh
Students Benefited	: 24

Industry collaborated	: National Institute of Wind Energy NIWE, Chennai
Course Handled	: Wind and Solar Power
Name of the Expert	: Dr.P.Kanagavel
Students Benefited	: 59

VALUE ADDED SKILL COURSES

- Voltage Stabilizer Fabrication



- Switch Mode Power Supply Design and Development



- Switch Mode Power Supply Design and Development



ACTIVE LEARNING TECHNIQUES



Project Based Learning



Experiential Learning



Reciprocal Questioning



Flipped Class Room



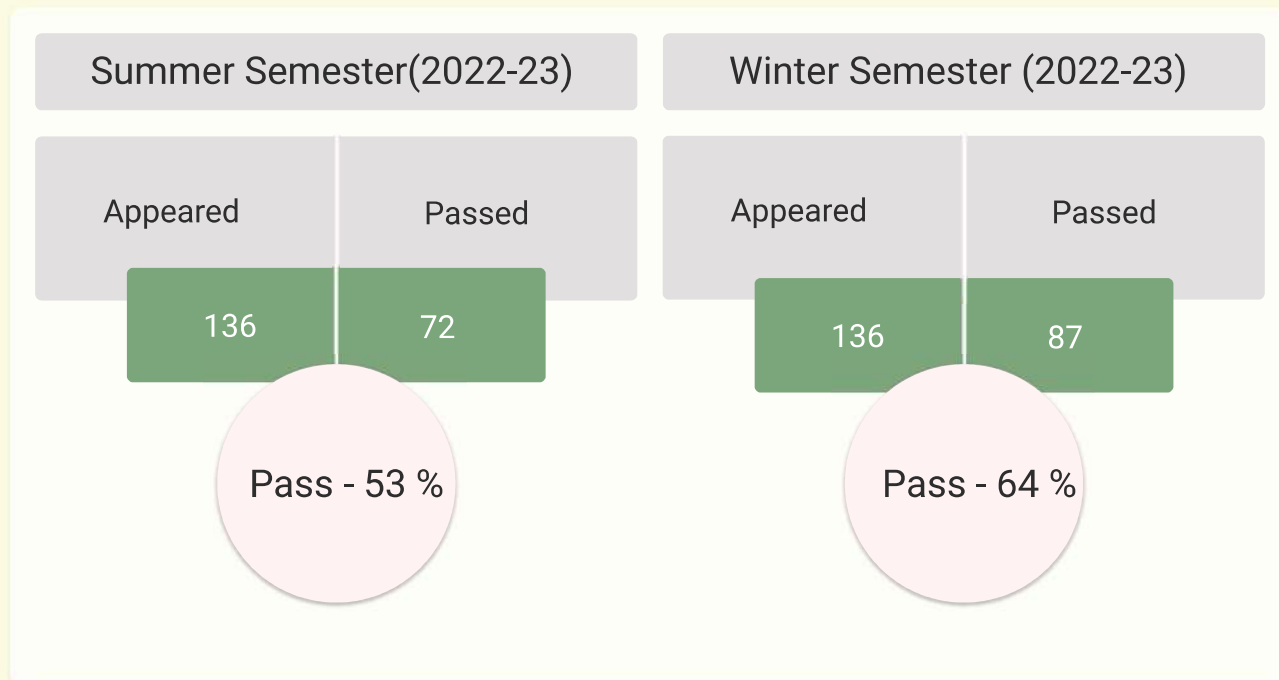
Collaborative learning



Activity Based learning

STUDENTS ACADEMIC PERFORMANCE

END SEMESTER EXAM RESULT



ACADEMIC TOPPERS – UG

Rank 1

CGPA
9.43



MADDIRALLA VISHNU KUMAR
 VTU13112
 B.Tech. - EEE

Rank 2

CGPA
9.38



B S P S MANOHAR
 VTU13799
 B.Tech. - EEE

Rank 3

SIVAKUMAR SARATH

VTU13113

B.Tech. - EEE

CGPA
9.21**ACADEMIC TOPPERS – PG****Rank 1**

KAKARLA ARAVINDKUMAR

VTP3207

M.Tech. - POWER ELECTRONICS

CGPA
9.23**Rank 2**

JOSHI M

VTP3311

M.Tech. - POWER ELECTRONICS

CGPA
8.69**Rank 3**

BANDI MAHESH

VTP3260

M.Tech. - POWER ELECTRONICS

CGPA
8.68

Graduation 2022-2023



Passed - 51

Appeared - 63

Graduation - 80.95 %

 **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 & COMMUNICATION
DEPARTMENT OF EEE

INTERNATIONAL PLACEMENT
Hearty congratulations

VTU 11985
MUNNALURI DWARAKA SUBRAHMANYAM

**CTC-
4.20 LPA
(Chennai)**



Batch- 2019-23

Note: After the training period in Chennai, he will be moved to UAE based on performance with 12.12 LPA

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



EASA SALEH AL GURG GROUP

 **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 & COMMUNICATION
DEPARTMENT OF EEE

Hearty congratulations

1. SAI SATHVIKA- VTU11939
2. GAURAV KUNAR- VTU13945
3. UTSAV KUMAR- VTU13976
4. RAHUL BHAGAT- VTU15476
5. GUTAM MAHESH- VTU15922

Batch- 2019-23

**CTC-
3 LPA**

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



CONCENTRIX

 **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 & COMMUNICATION
DEPARTMENT OF EEE

Hearty congratulations

B CHANDRA SHEKAR
VTU 13262
Batch- 2019-23

**CTC-
3 LPA**



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

**AUTOMOTIVE
ROBOTICS
INDIA**

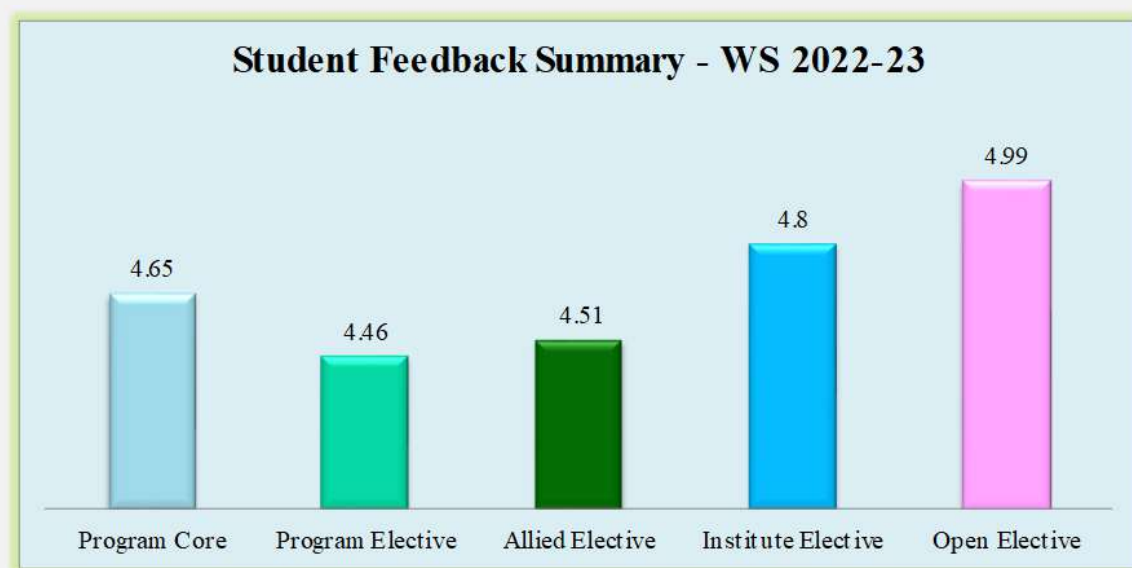
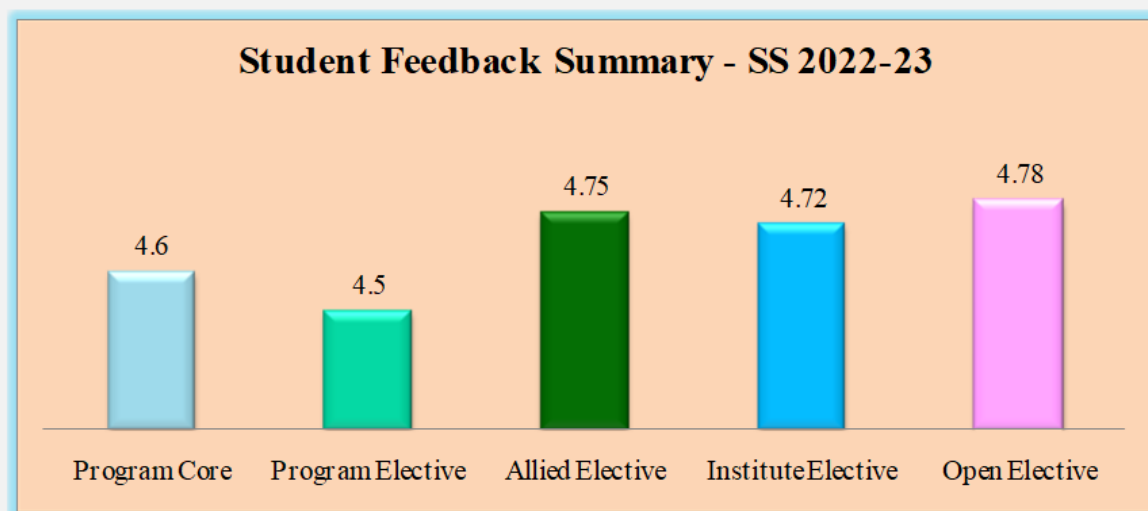


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Student Satisfaction Survey

Feedback on course delivery:

- The syllabus content of all courses adequate to attain all course outcome
- Adequate text books and reference books of all courses available in our library
- Adequateness of the total number of periods allotted to complete the delivery of the course contents is high
- Extent of pre-requisite knowledge of students with respect to learning of this course contents is excellent
- Freedom in accessing appropriate teaching aids for delivering the course is excellent
- Classroom ambiance for students' learning is excellent
- Accessibility of e-learning resources for the students is moderate
- More effective of continuous assessments with respect to measurement of course outcomes



Feedback on Curriculum:

- Switch gear, embedded C language topic can be included in the curriculum
- Designing of electric vehicle miniature for electric hybrid vehicle is required for graduates of EEE department which should be imparted through the curriculum.
- Make more practical based teaching and design of circuits which can be used for innovative teaching techniques to enhance students learning
- PLC/SCADA, data structure and JAVA value added courses can be included
- The MATLAB skill required for EEE department students, to be imparted through the curriculum.

Programme End feedback:

Student name: Ms.T.Sree Mythili

Batch: 2018-22

Youtube link: <https://www.youtube.com/watch?v=J7m1AhEqyiQ>

- I was so happy at this moment because I completed my graduation as today is my convocation day, I want to share my beautiful experience in the university.
- I still remember the first day of my Engineering class, I was so nervous and thank you to the university I was ragging free.

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University) Established by UGC Act-1956

DST
Department of Science and Technology (DST)

VEL TECH
TECHNOLOGY INCUBATOR

OUR STRATEGIC PARTNER OFFERING TO VELTECH TBI INCUBATED STARTUPS

- Google Cloud Platform**
Google gives up to \$100,000 cloud credit
- aws**
Amazon gives up to \$100,000 AWS credit & support
- zoho**
Zoho gives all their 39 apps free access for 1 year
- paytm**
Paytm charges zero commission for transactions up to Rs.1Lakh per month apart from listing the start-up in their Paytm WhatsApp ecosystem as well as merchant ecosystem
- RBL BANK**
RBL gives customized offerings to Start-ups including zero balance accounts and privileged access to their conference rooms in the city office dedicated to start-ups
- effitrac**
Effitrac provides FREE implementation and access to mini ERP for start-ups for 1 year
- YNOS VENTURE ENGINE**
YNOS venture engine provides

Ms. T Sree Mythili
EEE (2018 - 2022)

- I got many opportunities from the university in economics, choices-based credits system, which provides choice to the students to take their favourite faculty according to their own timing.
- My favourite professors are Dr.P.K.Dhal sir and Dr.K.Karunanithi sir in the department of Electrical and Electronics Engineering. They have motivated me a lot and inspired me a lot and they always promote me in education
- We have better laboratories for practical analysis of core subjects. Good infrastructure and equipments.
- We have Conceive Design Implement Operate (CDIO) brings me a lot to do new projects and evolve myself to do real time projects.
- Apart from academics we have so many cultural clubs in university. I am a volunteer of Unnat Bharat Abhiyan (UBA), which is the vision of transformational change in rural development to build an inclusive India.
- University also promotes so many clubs like NCC, NSS, Arts, drama, music, etc., which they enhance ability to students to build social awareness to promote new generation of the society
- Placement department helped us the lot to get placed. They motivated through pre-placement talks, mock interviews to built up the confidence to the students to get the real interviews. I am placed in Tata company which is one among top leading companies, I think. I have moved one step forward in the life.
- I have made my parents pride. Finally, thank you to Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology for my education, overall development. I evolved myself as a new person ethics with good person in the life to lead my new life

HIGHER STUDIES

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



Mr. Munner Baba received a Bon Voyage Scholarship of Rs. 10000 / - from Vice Chancellor towards his M.Sc-Electrical Power Engineering with industrial practice in University of Greenwich on 14.12.2022

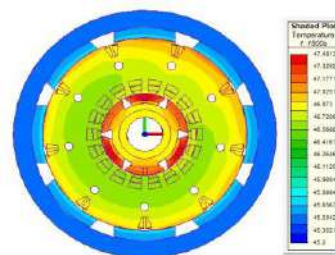
FUNDED PROJECTS

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/-**

Name of the funding Agency : **AICTE**
 Name of the Scheme:
 Modernization and Removal of Obsolescence
 Name of the Coordinator: Dr P. CHANDRASEKAR
 Duration: **2 Years**
 Total Amount in INR: **Rs.12,21,000/-**



Name of the funding Agency : **Vel Tech**
 Name of the Scheme:
 Vel Tech SEED Support 2019
 Name of the Coordinator: Dr S. RAMESH
 Duration: **2 Years**
 Total Amount in INR: **Rs.1,95,000/-**



 Vel Tech Ranganujam Dr. Sugunabala 200.19 Eastside, 1st Stage, and 1st Floor Kottur in the University East, Sec-10, 500029, 2000			
Vel Tech – Skill and Personality Development Program Centre for SC/ST students (SPDC) sponsored by All India Council For Technical Education (AICTE)			
Project Duration - 3 Years [From 2020 To 2023]			
Coordinator - Dr. P. Chandrasekar			
Total approved grant - in - aid		Rs.12,83,400/-	
Equipments			
Equipments	Specification	Qty	
Personal Computers	• Intel Core i5 3470 3.2G 6M HD 2500 CPU • HP PRO 3330 MT PC • 500GB 7200 RPM SATA 1st Hard drive • 16GB DDR4 RAM • Optical BLK Mouse, HP USB JB keyboard • HP LV1911 22 INCH LED/LCD Monitor • HP Pro 3330 MT 300W aPFC Chassis	23	
Laser printer	HP multi - function printer COPY/SCAN/PRINT	1	
LCD projector	BENQ projector, 2300 Lumens	1	
Tablet	Samsung Tablet	1	
Books and Journals	Related to skill development	74	



INDUSTRY INTERACTIONS



ALUMNI

Prominent Alumni - UG



Mr. Kishore Sundrajan (2001)
Google, USA

Mr. Karthik Kaveriselvan (2006)
Latham Pool, USA



Mr. Vasantha Kumar (2009)
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Thank You!

With gratitude and appreciation
