



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 ENGINEERING



ANNUAL REPORT

2021 - 2022



Lord Vel Murugan
Vel Tech Group of Institutions



MESSAGE FROM THE SCHOOL DEAN'S DESK



The goal of the School is to position our Engineering graduates as problem solvers, leaders, life-long learners and honourable citizens of the global community. We offer the best Engineering atmosphere with the world class facilities, intellectual and technological resources from educational and Research Institutions for the holistic development of our students. The curriculum is balanced between the practical aspects of Engineering and the strong theoretical foundation, this prepares our students to meet the challenges of the global technological society.

Prof. Dr. V. Jayasankar

Dean - School of Electrical and Communication

MESSAGE FROM THE DEPARTMENT HEAD - EEE



Dear All,

I take the privilege to welcome you all to the Dept. of Electrical and Electronics Engineering Vel Tech University, Chennai. The department seeks to combine excellence in education and research with survive to the industry. Our motto is to be recognized as an innovative and leading Engineering department in the University and beyond. Our goal is to provide students with a balance of intellectual and the practical experience that enable them to serve a variety of societal needs.

Activity Based Learning (ABL) is our Motto; Learning is a continuous process and does not end with the acquisition of a degree, because steady and rapid advances in technologies shorten the life of tools and techniques prevalent today. Therefore, they are given a strong foundation in Electrical Engineering and problem-solving techniques and are made adaptable to the changes.

As Head of Department, I wish to take the opportunity to share that for the FOUR consecutive years from 2018-19, 2019-20, 2020-21 and also 2021-22, **campus placements of EEE is 100 %**. Hence, it is well assured that joining in EEE programme guarantees Placement. Four of our students are qualified in **GATE-2022**, which is the outcome of students' effort and faculty participation in the teaching-learning process.

“Future is EEE”

Dr. P. CHANDRASEKAR

Professor & Head

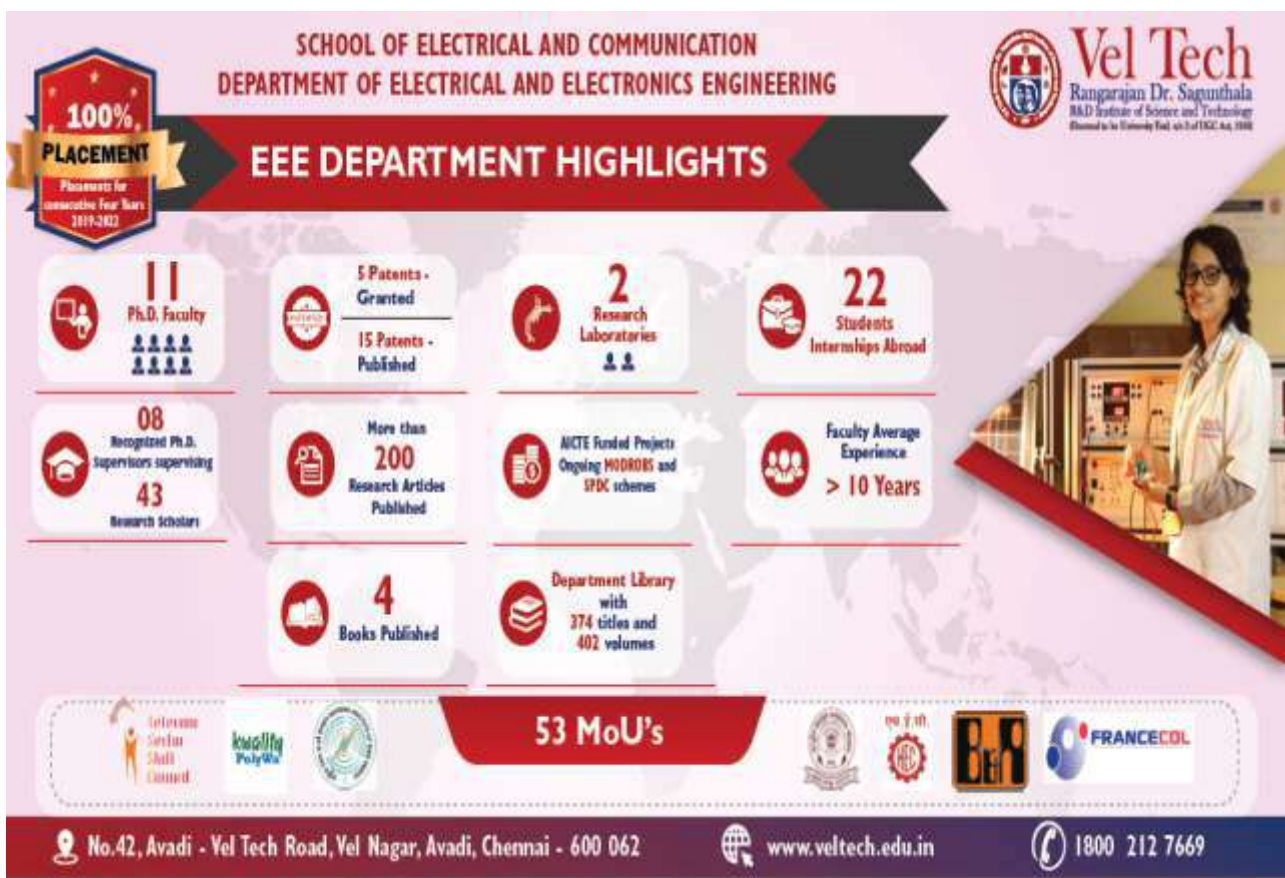
Department of Electrical and Electronics Engineering

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PROFILE OF THE DEPARTMENT

The department of Electrical and Electronics Engineering started in the year 1997. The department offers B.Tech.-Electrical and Electronics Engineering, B.Tech -Electrical and Electronics Engineering with Specialization in Computer systems, M.Tech. -Power Electronics and Ph.D. programmes. The department has been strengthened by its passionate and research focused faculty members from reputed universities in India and abroad. The faculty members are having a wide range of specializations which include Power Systems Engineering, Power Electronics & Drives, Embedded System, VLSI Design, High Voltage Engineering, Energy Engineering, and Process Control & Instrumentation. The department has well equipped laboratories and state of the art facilities for research and development. The key areas of academic research are Smart Grid, Industrial Drives, Industrial Automation, Renewable Energy, Electric Vehicle and Battery Management System. 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 recently. The department is having 53 active MoUs with CDAC, ARAI, NIWE, Kwality Photonics Ltd etc.





Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
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SCHOOL OF ELECTRICAL AND COMMUNICATION DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

OFFERS

UG PROGRAMMES:

B.Tech. **Electrical and Electronics Engineering**

SPECIALIZATION:

B.Tech. Electrical and Electronics Engineering with specialization in **Computer Systems**

MINOR DEGREE:

Electric Vehicle Technology

Renewable Energy Sources

HONOURS :

B.Tech. Electrical and Electronics Engineering with Honors in **Smart Grid Technologies**

PG PROGRAMME:

M.Tech. Power Electronics

DOCTORAL PROGRAMME:

Ph.D. Electrical and Electronics Engineering (Full Time / Part Time)

Programmes Approved by AICTE



B.Tech

Electrical and Electronics Engineering

M.Tech

Power Electronics

Ph.D

Electrical and Electronics Engineering



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

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 modelling 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.

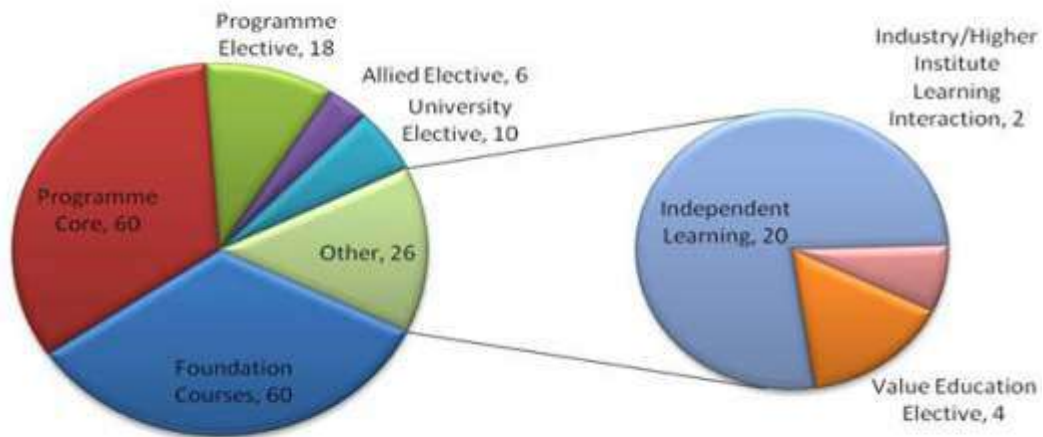
PROGRAM SPECIFIC OUTCOMES (PSOs)

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.

VTUR15 EEE Curriculum

Course Category , Minimum Credits Required



Total Credits : 180



PROGRAMME CORE (PC) COURSES

S. No.	Course Code	Lecture Courses	Credits
1	1151EE101	Circuits Analysis	3
2	1151EE102	Electronic Devices & Circuits	3
3	1151EE103	DC Machines & Transformers	3
4	1151EE104	AC Machines	3
5	1151EE105	Digital Electronics	3
6	1151EE106	Control Systems	3
7	1151EE107	Measurements and Instrumentation	2
8	1151EE108	Transmission & Distribution	3
9	1151EE109	Power Electronics	3
10	1151EE110	Power System Analysis	3
11	1151EE111	Power System Operation & Control	3
12	1151EE112	Electrical Machine Design	3
13	1151EE113	Microprocessor & Microcontroller	4
14	1151EE114	Discrete Time Signal Processing	3
15	1151EE115	Linear Integrated Circuits	3
16	1151EE116	Numerical Methods	3
Integrated Courses			
17	1151EE201	Electromagnetic Fields	3
Laboratory Courses			
18	1151EE301	Circuit Analysis Lab	1
19	1151EE302	Electronic Devices & Circuits Lab	1
20	1151EE303	DC Machines & Transformers Lab	1
21	1151EE304	AC Machines Lab	1
22	1151EE305	Control & Instrumentation Lab	1
23	1151EE306	Microprocessor & Microcontroller Lab	1
24	1151EE307	Discrete Time Signal Processing Lab	1
25	1151EE308	Power Electronics & Drives Lab	1
26	1151EE309	Power System Simulation Lab	1
		Total Credits	60

PROGRAMME ELECTIVE (PE) COURSES

S. No.	Course Code	Lecture Courses	Credits
Power Systems			
1	1152EE101	Power Quality Engineering	3
2	1152EE102	Protection and Switchgear	3
3	1152EE104	High Voltage Engineering	3
4	1152EE105	Advances in Power System	3
5	1152EE106	Smart Grid	3
6	1152EE107	Power Plant Engineering	3
7	1152EE108	High Voltage Direct Current Transmission	3
8	1152EE109	Load Forecasting and Generation Forecasting	3
9	1152EE110	Load Dispatching	3
10	1152EE144	Reactive Power Management	3
Power Electronics & Drives			
11	1152EE111	LED Lighting Technology	3
12	1152EE112	Flexible AC Transmission Systems	3
13	1152EE113	Modern Power Converters	3
14	1152EE114	Automotive Electrical & Electronics Systems	3
15	1152EE115	Fundamentals of Electric and Hybrid Vehicles	3
16	1152EE116	Special Electrical Machines	3
17	1152EE117	Electromagnetic Interference & Compatibility	3
18	1152EE118	Solid State Drives	3
Embedded Systems			
19	1152EE119	Principles of Robotics	3
20	1152EE120	Embedded Systems	3
21	1152EE121	Embedded control of Electric Drives	3
22	1152EE122	VLSI System & Design	3
23	1152EE142	Wearable Electronics	3
Instrumentation & Control			
24	1152EE123	Virtual Instrumentation	3
25	1152EE124	Digital Control Systems	3
26	1152EE125	Introduction to Nonlinear Dynamical Systems	3
27	1152EE126	Network Analysis & Synthesis	3
28	1152EE127	Signals and Systems	3
29	1152EE128	Soft Computing	3
30	1152EE129	Bio Medical Instrumentation	3

31	1152EE130	Process Automation	3
Energy			
32	1152EE132	Utilization of Electrical Energy	3
33	1152EE133	Energy Auditing and Management	3
34	1152EE134	Electrical Safety & Quality Management	3
35	1152EE135	Renewable Energy Sources	3
36	1152EE136	Solar Electric Systems	3
37	1152EE137	Wind Energy Conversion Systems	3
38	1152EE138	Generation Planning	3
Integrated Course			
39	1152EE143	Solar Photovoltaic Systems	3
40	1152EE201	Applied Soft Computing	3
41	1152EE202	Switch Mode Power Supply Design and Development	6
Laboratory Course			
42	1152EE301	Voltage Stabilizer Fabrication	1

ALLIED ELECTIVE (AE) COURSES

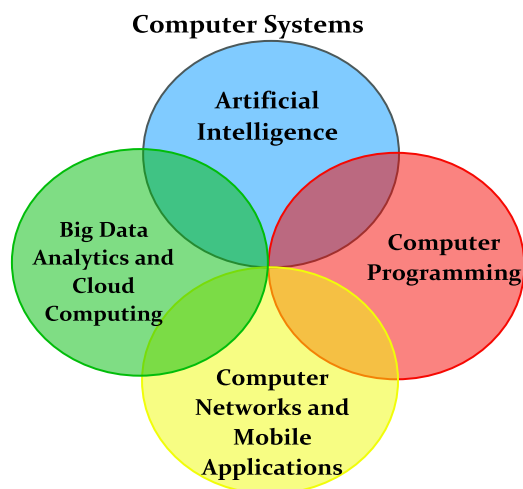
S. No.	Course Code	Lecture Courses	Credits
1	1153EE101	Neural Network and Fuzzy Logic Control	3
2	1153EE102	Bio Medical Instrumentation	3
3	1153EE104	Introduction To Automation	3
4	1153EE105	Virtual Instrumentation	3
5	1153EE106	Finite Element Analysis	3
6	1153EE109	EMI & EMC Techniques	3
7	1153EE110	Power Supply Quality	3
8	1153EE111	LED Lighting	3
9	1153EE113	Transducers and Sensors	3
10	1153EE127	Signals and Systems	3
11	1153EE128	Wearable Electronics	3
Integrated Course			
12	1153EE201	Switch Mode Power Supply Design and Development	6

INSTITUTE ELECTIVE (IE) COURSES

S. No.	Course Code	Lecture Courses	Credits
1	1154EE102	Embedded System	3
2	1154EE103	Estimation for Electrical Wiring	3
3	1154EE104	Renewable Energy Systems	3
4	1154EE114	Automotive Electrical & Electronics Systems	3
5	1154EE115	Hybrid Electric Vehicles	3
6	1154EE109	Introduction to Robotics	3
7	1154EE126	Standards, Calibration, Testing & Maintenance of Electrical Equipment	3
8	1154EE127	Electrical Safety, Operation & Regulations	3
9	1154EE110	Energy Conservation and Management	3
10	1154EE111	Electrical Machines	3
11	1154EE105	Industrial Electrical Systems	3
12	1154EE117	Computer-Aided Analysis of Electrical Apparatus	3
13	1154EE118	Green Energy Resources	3
14	1154EE120	Robotics and Automation	3
15	1154EE122	Wind Energy Technology	3
16	1154EE124	Electrical Safety and Safety Management	3
17	1154EE125	Wearable Electronics	3
Laboratory Course			
18	1154EE301	Voltage Stabilizer Fabrication	1



*Offered from 2021- 2022

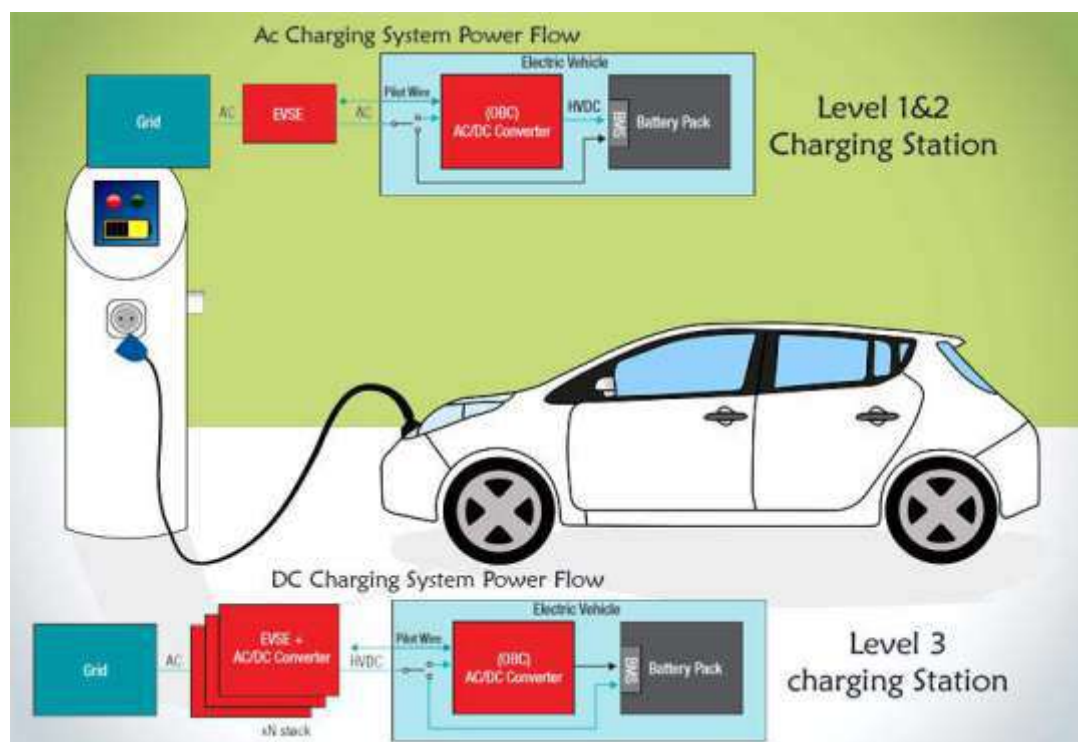


COMPUTER SYSTEMS SPECIALIZATION COURSES – 18 CREDITS

Sl.No	Course Code	Lecture Courses	Credits
1	10212EE101	Computer Architecture	3
2	10212EE102	Operating Systems	3
3	10212EE103	Object Oriented Programming	3
4	10212EE104	Data Structures and Algorithms	3
5	10212EE105	Data Base Systems and Programming	3
6	10212EE106	Computer Networks and Communication	3
7	10212EE107	Internet of Things	3
8	10212EE108	Artificial Intelligence	3
9	10212EE119	Big Data Analytics	3
10	10212EE110	Cloud computing	3
11	10212EE111	Mobile applications and development	3

MINOR DEGREE IN ELECTRIC VEHICLE TECHNOLOGIES

* Offered from 2021 - 2022



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
7	In-Vehicle Networking	3
8	EV Batteries & Charging System	3
9	Intelligent Vehicle Technology	3
10	Plug in Electric Vehicles in Smart Grids	3

MINOR DEGREE IN RENEWABLE ENERGY SOURCES

* Offered from 2021 - 2022

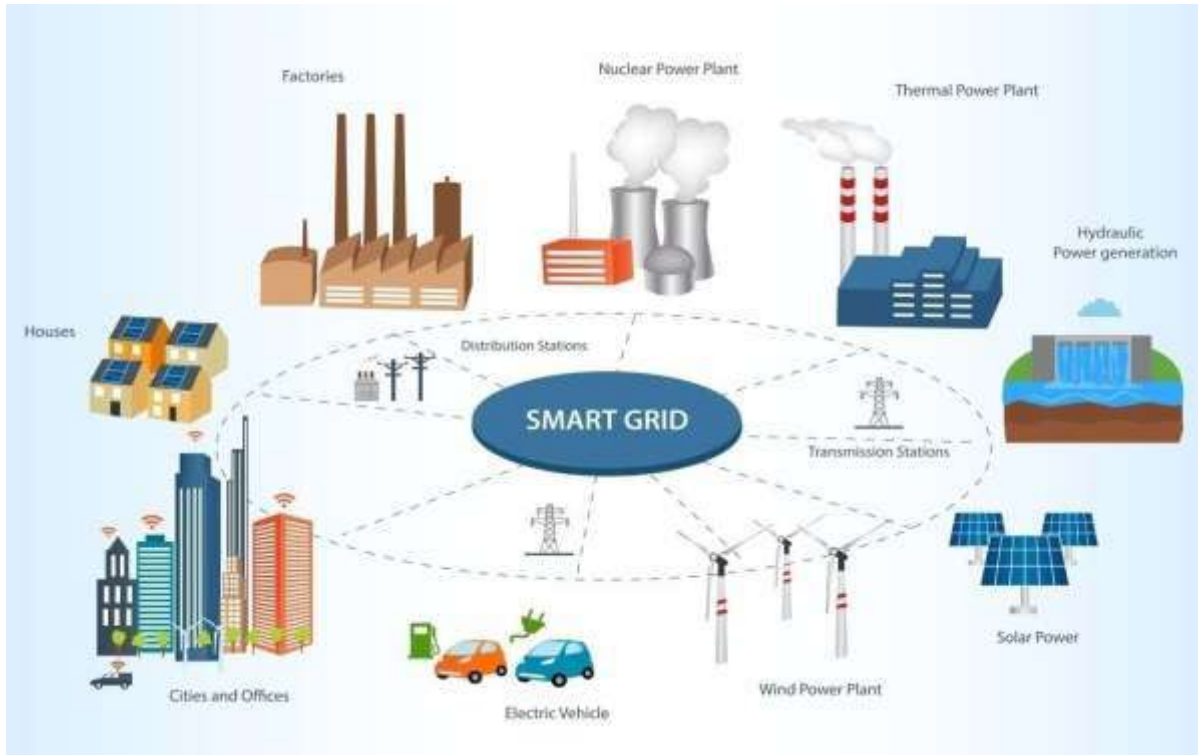


RENEWABLE ENERGY SOURCES (MINOR) COURSES – 18 CREDITS

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





* Offered from 2021 - 2022







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

INFRASTRUCTURE

S. No.	Name of the Laboratory	Major Equipments
1	 <p style="text-align: center; color: yellow; font-weight: bold; margin-top: 10px;">Electrical Machines Laboratory</p>	<ol style="list-style-type: none"> 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	 <p style="text-align: center; color: yellow; font-weight: bold; margin-top: 10px;">Power Electronics Laboratory</p>	<ol style="list-style-type: none"> 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, 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 13. 4 Channel Digital Storage Oscilloscope

3	 <p>Control and Instrumentation Laboratory</p>	<ol style="list-style-type: none"> 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. AC, DC 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
4	 <p>Microprocessor and Microcontroller Laboratory</p>	<ol style="list-style-type: none"> 1. 8085 Microprocessor Kit 2. 8051 Microcontroller Kit 3. Stepper Motor Interfacing Kit 4. DC Motor Interfacing Kit 5. ADC Interfacing Kit 6. DAC Interfacing Kit 7. Matrix Keyboard Interfacing Kit 8. LCD Interfacing Kit 9. 8251 USART Interfacing Kit 10. 8253 Timer Interfacing Kit
5	 <p>Simulation Laboratory</p>	<ol style="list-style-type: none"> 1. 30 Computers and Accessories 2. Printers 3. UPS-20 KVA 4. TMS320c6713 DSP Floating point starter Kit 5. TMS320c6416 DSP Starter Kit 6. MATLAB Software 7. DiGSILENT Software
6	 <p>Basic Electrical Laboratory</p>	<ol style="list-style-type: none"> 1. Megger 2. Wattmeter 3. Lux Meter 4. Auto transformers 5. Resistive Loads 6. Lamp loads 7. Energy Meter

STATE OF THE ART FACILITIES



Solar Array Simulator



Programmable DC Power Supply



FPGA Controller



PQ Analyzer



Digital Storage Oscilloscope



8 Channel Electrochemical Workstation



Advanced Battery Analyzer

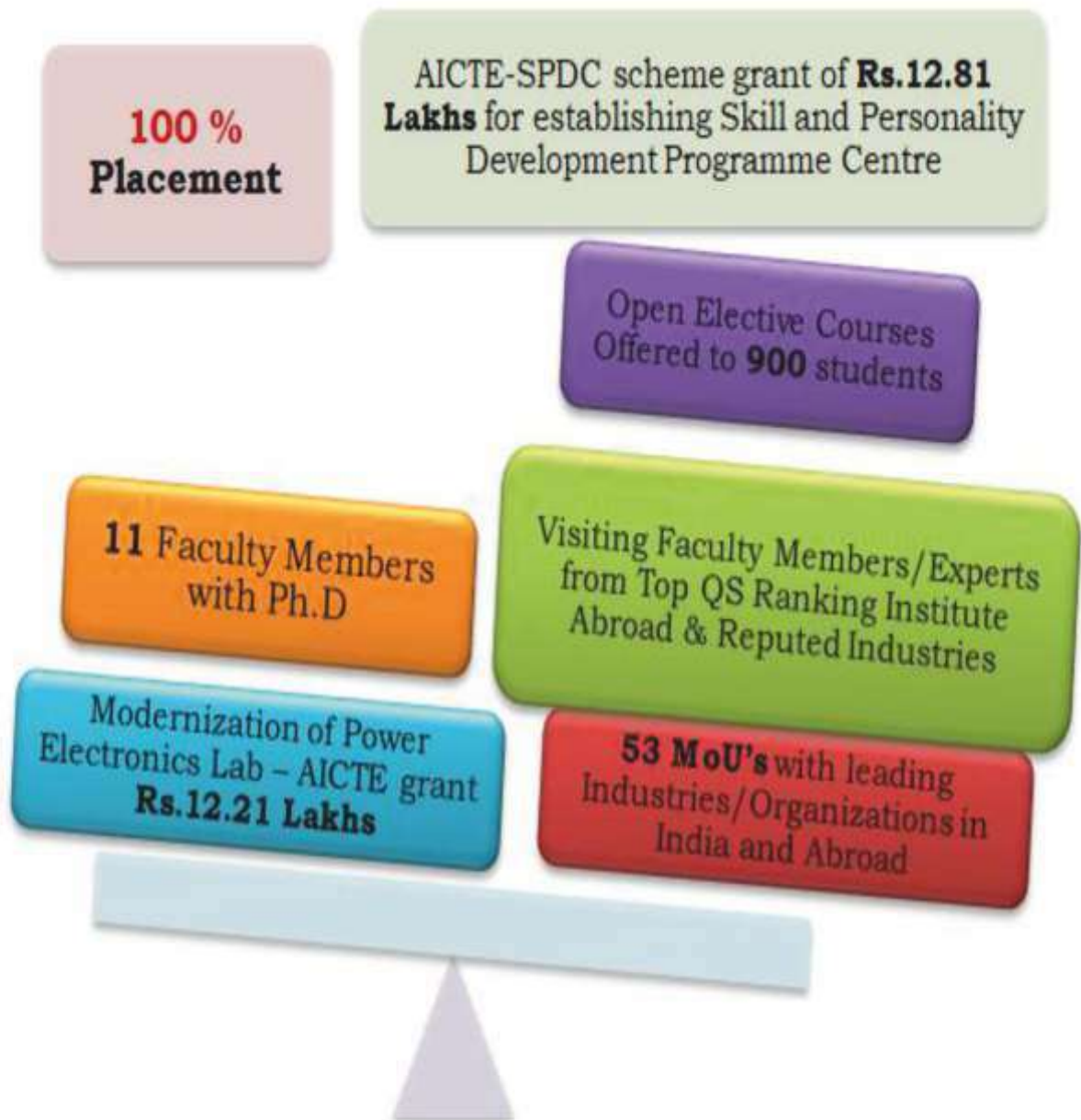


Process control Trainer Module



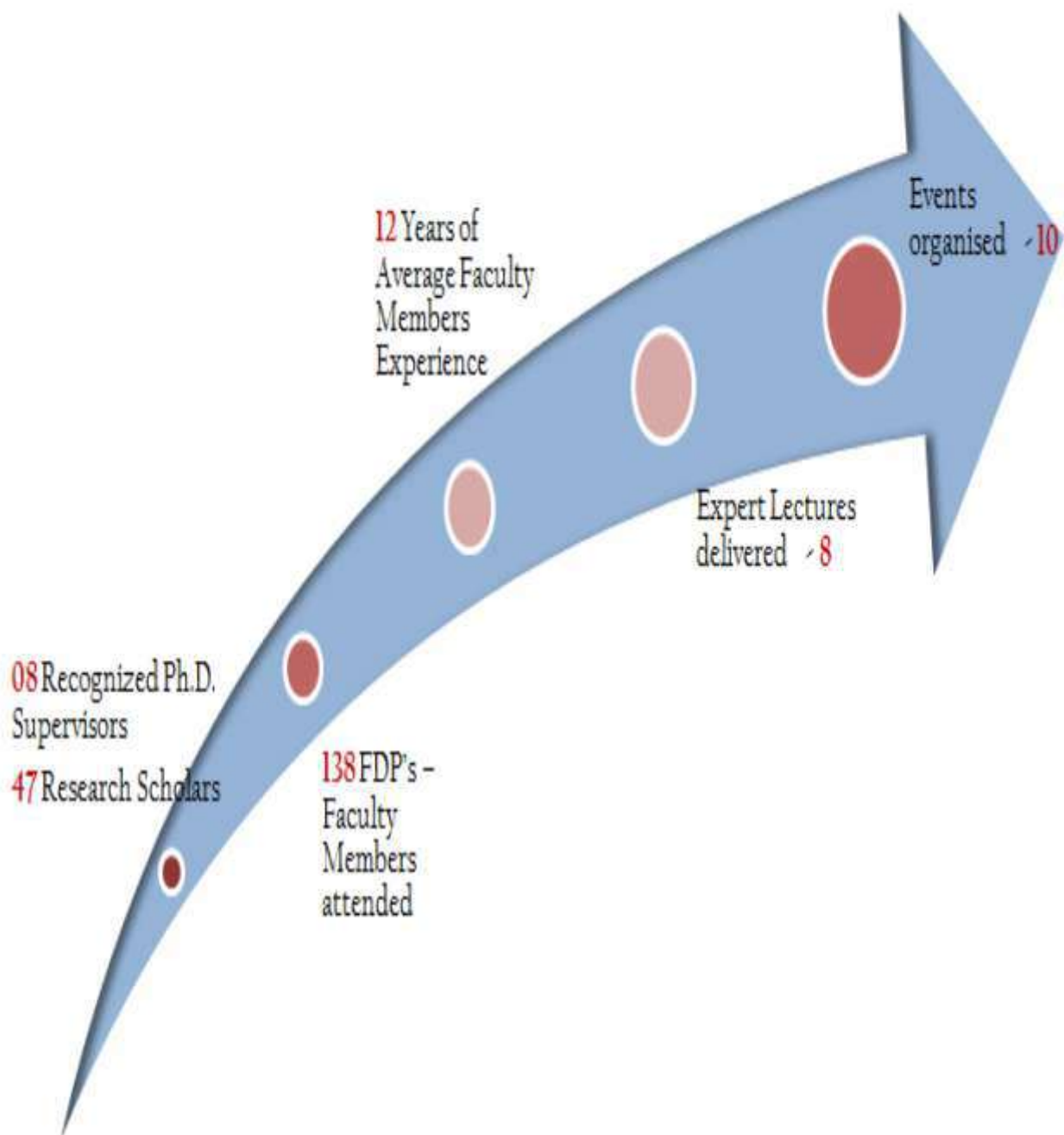
Solar Trainer Module

DEPARTMENT LEVEL ACHIEVEMENTS



Department Level Achievements

DEPARTMENT LEVEL ACHIEVEMENTS



FACULTY DETAILS

POWER SYSTEMS ENGINEERING



Dr. CHANDRASEKAR P

B.Tech - EEE

M.E - Power Systems

Ph.D - Power System



Dr. DHAL P K

AMIE - EE

M.E - Power Systems

Ph.D - Power System



Dr. KARTHIKUMAR K

B.E - EEE

M.E - Power Systems

Ph.D - Power System



Mr. RAJESH R

B.E - EEE

M.E - Power Systems



Mr. VIJAYAKUMAR S C

B.E - EEE

M.E - Power Systems



Mr. ARUNBALAJ A

B.E - EEE

M.E - Power Systems

POWER ELECTRONICS & DRIVES



Dr. BASKAR S

B.E - EEE

M.Tech - Power Electronics and Drives

Ph.D - Power Electronics



Dr. BHASKAR K

B.Tech - EEE

M.E - Power Electronics & Power System

Ph.D - Power Electronics



Dr. VINOOTH K

B.E - EEE

M.E - Power Electronics and Drives

Ph.D - Power Electronics



Mr. CHITHRAS T

B.E - EEE

M.E - Power Electronics and Drives



Mr. THANIGAIVEL K

B.E - EEE

M.E - Power Electronics and Drives



Mr. THILIPKUMAR. C

B.E - EEE

M.Tech - Power Electronics



Mr. BARATHI K

B.E - EEE

M.E - Power Electronics and Drives



Mr. PRABU K

B.E - EEE

M.E - Power Electronics and Drives



Mrs. VINODINI D

B.E - EEE

M.E - Power Electronics and Drives



Mr. SATHYANATHAN P

B.E - EEE

M.E - Power Electronics and Drives



Mr. UDHAYARAJ N

B.E - EEE

M.E - Power Electronics and Drives



Mr. DINESHKUMAR P

B.E - EEE

M.E - Power Electronics and Drives

COMPUTING & EMBEDDED SYSTEMS



Dr. SIVAKUMAR S

B.E - EEE

M.E - Embedded System Technologies

Ph.D - Electronics



Mrs. PRISCILLA WHITIN

B.E - EEE

M.Tech - VLSI Design



Mrs. HEMA S

B.E - EEE

M.E - Applied Electronics



Mr. KRISHNAKUMAR S

B.E - EEE

M.E - Embedded System Technologies



Mrs. MANIMEGALAI D

B.E - EEE

M.E - Applied Electronics

RENEWABLE ENERGY SYSTEMS



Dr. JAYASANKAR V

B.E - EEE

M.E - High Voltage Engineering

Ph.D - Power System



Mr. RAYAGURU N K

AMIE - EE

M.Tech - Energy System

M.Tech - CAID



Mr. SIVARAJ P

B.E - EEE

M.E - Energy Engineering



Mr. VINOTH JOHN PRAKASH

B.E - EEE

M.E - Applied Electronics

CONTROL SYSTEMS



Dr. KUZHALOLIS

B.E - EEE

M.E - Process Control & Instrumentation

Ph.D - Electronics



Mr. KARUPPIAH M

B.E - ICE

M.E - Power Electronics and Drives

ELECTRIC VEHICLE TECHNOLOGY



Dr. RAMESH S

B.E - EEE

M.E - Power Systems

Ph.D - Power System



Dr. KARUNANITHI K

AMIE - EE

M.E - Power Systems

Ph.D - Power System



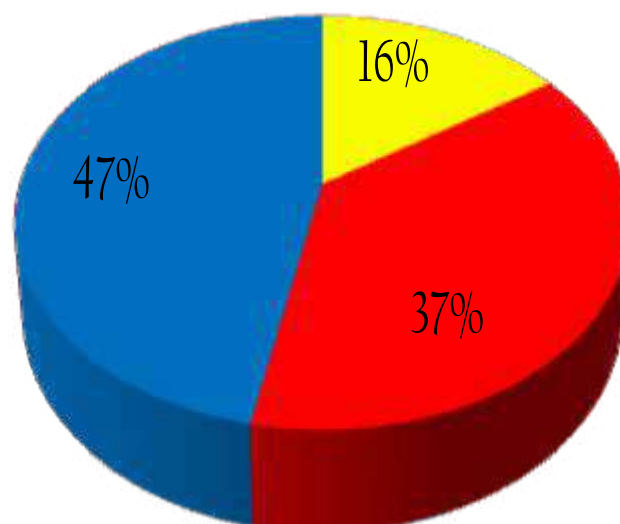
Mr. SREEDHAR R

B.E - EEE

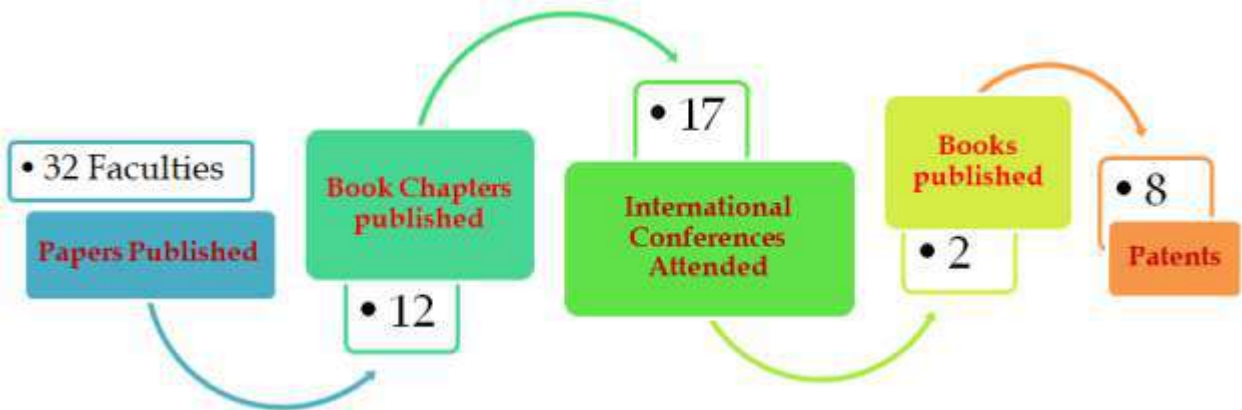
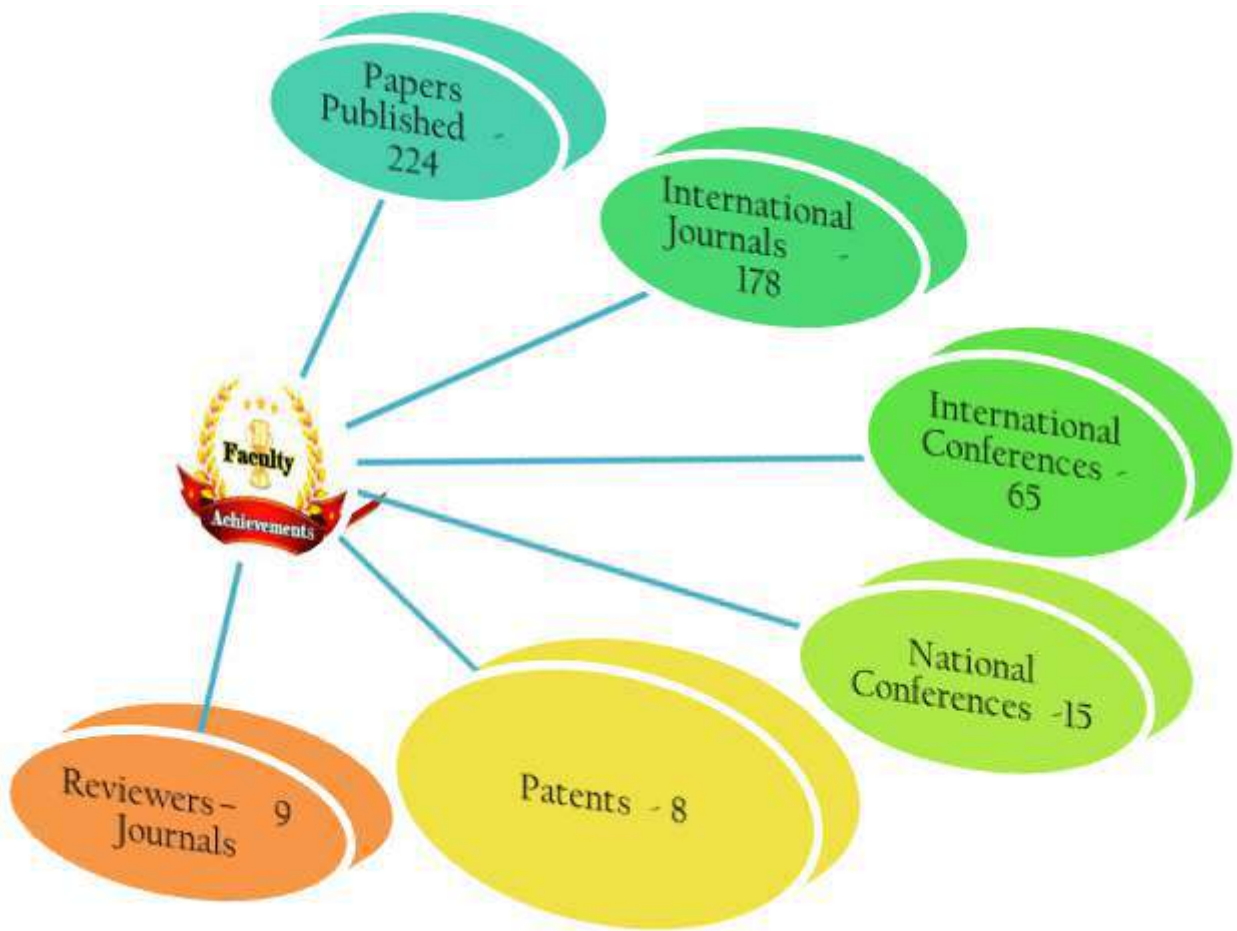
M.Tech - Power Electronics and Drives

Faculty Experience

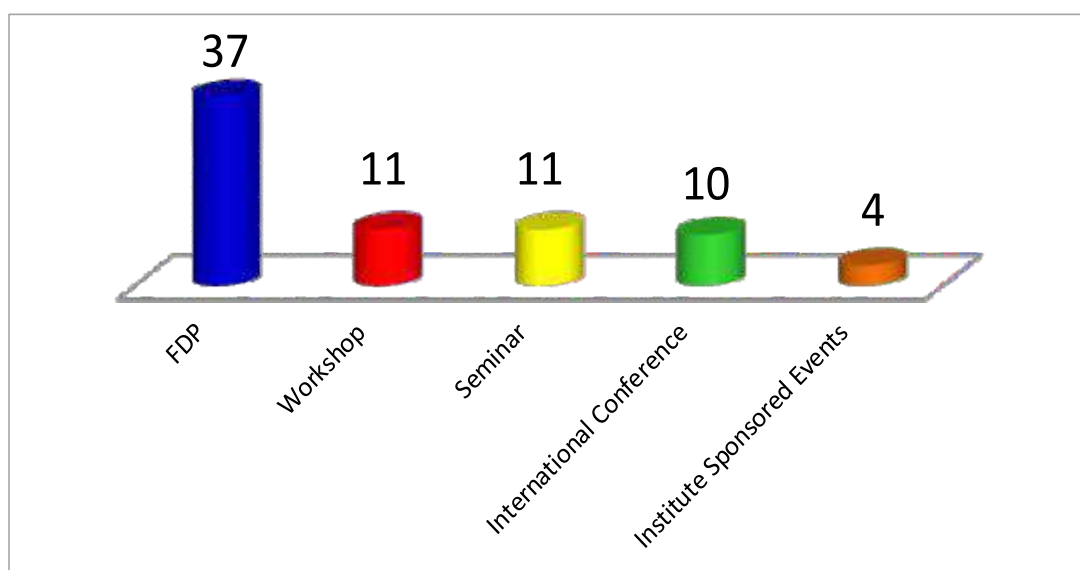
■ 21 - 30 Years ■ 11 - 20 Years ■ 6 - 10 Years



FACULTY ACHIEVEMENTS



FACULTY ENRICHMENT EVENTS



FACULTY ATTENDED WORKSHOP/FDP/CONFERENCE

S. No.	Name of Faculty	Description	Conference /Workshop	Dates	Venue
1	R.Sreedhar	Design and Operational Perspective of Electric Vehicle With Distributed Energy Resources Using Cyber Physical System	FDP	19.07.2021 to 31.07.2021	KPR Institute of Engineering and Technology, Coimbatore.
2	R.Sreedhar	Practices and Trends In Regulation of Operations and Financing Options for Electric Buses and Electric Auto-Rickshaws	Training	05.10.2021 to 06.10.2021	Urban Mass Transit Company Limited
3	R.Sreedhar	National Level E-Quiz on Electrical and Electronics Engineering	Quiz Competition	27.11.2021	Sri Ramakrishna Engineering College, Coimbatore.
4	R.Sreedhar	Recent Advancements & Research Opportunities in Energy Sector	FDP	29.11.2021 to 03.12.2021	Aditya Engineering College, Surampalem, Andhra Pradesh.

5	R.Sreedhar	2nd International Conference on Intelligent Technologies	IEEE Conference	24.06.2022 to 26.06.2022	IEEE Bangalore Section
6	Dr.K.Karunanithi	Smart Grids and Micro Grids in Indian Context	FDP	20.06.2022 to 24.06.2022	Mahatma Gandhi Institute of Technology, Gandipet, Telangana
7	Dr.K.Karunanithi	4th International Conference on Smart Systems and Inventive Technology	IEEE Conference	20.01.2022 to 22.01.2022	Francis Xavier Engineering College, Tirunelveli
8	P. Sathyanathan	Online Capacity Development Program for Incubation Eco-System Enablers	FDP	31.01.2022 to 03.02.2022	Entrepreneurship Development Institute of India, Ahmedabad.
9	P. Sathyanathan	Introduction to Artificial Neural Network	FDP	08.02.2022	Christ The King Engineering College, Coimbatore.
10	P. Sathyanathan	Artificial Intelligence in Electrical Drives	Webinar	12.02.2022	Sri Sivasubramaniya Nadar College of Engineering, Chennai
11	P. Sathyanathan	Recent Trends in Electric Vehicles and Smart Grid with Renewable Energy Technologies for Sustainable Development	FDP	06.06.2022 to 10.06.2022	Sri Ramakrishna Engineering College, Coimbatore.
12	P. Sathyanathan	Single Phase Transformer-less Switched Capacitor Multilevel Inverter for Solar PV Application	IEEE Conference	26.03.2022 to 27.03.2022	Jadavpur University, Kolkata.
13	P. Sathyanathan	Understanding Incubation and Entrepreneurship	NPTEL (FDP)	Jan - Apr 2022	IIT, Bombay.
14	P. Sathyanathan	Recent Trends in Power Electronics, Controllers and Power Systems	FDP	19.07.2021 to 23.07.2021	GMR Institute of Technology, Rajam.
15	P. Sathyanathan	Recent Advancements in Electrical Engineering: A Research Perspective	FDP	26.07.2021 to 30.07.2021	Vellore Institute of Technology, Chennai.

16	P. Sathyanathan	Smart Grid and Sustainable Energy Management in Virtual Power Plants	FDP	26.07.2021 to 30.07.2021	Sathyabama Institute of Science and Technology
17	P. Sathyanathan	Smart City Solutions for Sustainable Future	FDP	02.08.2021 to 06.08.2021	BMS College of Engineering
18	P. Sathyanathan	Challenges and Opportunities in Integration of Electric Vehicles and Smart Electric Grids	FDP	16.08.2021 to 20.08.2021	National Institute of Technology, Goa.
19	P. Sathyanathan	Research Tools and Methodologies	FDP	27.09.2021 to 01.10.2021	Lendi Institute of Engineering and Technology
20	P. Sathyanathan	Research Challenges, Opportunities in Smart Grid with Integration of Electric Vehicles	FDP	08.10.2021 to 12.10.2021	Vemu Institute of Technology, Chittoor
21	P. Sathyanathan	Design and Recent Development in Renewable Energy Based Micro Grid System	FDP	25.10.2021 to 29.10.2021	National Institute of Technology, Mizoram.
22	P. Sathyanathan	Energy Management and Tariff	Webinar	26.07.2021	Arasu Engineering College, Kumbakonam
23	P. Sathyanathan	Artificial Intelligence on Power System Compensation	Webinar	18.10.2021	RVS College of Engineering and Technology
24	P. Sathyanathan	NPTEL E-Awareness Workshop	Workshop	13.08.2021	IIT Madras
25	P. Sathyanathan	Electrical Safety Measures in Power Grid Applications	Workshop	22.10.2021 to 23.10.2021	Sri Ramakrishna Engineering College, Coimbatore.
26	P. Sathyanathan	IEEE International Conference on Emerging Technologies and Applications for a Smart and Sustainable World (ICEMTASS 21)	Conference	16.12.2021 to 18.12.2021	National Engineering College, Kovilpatti.

27	Dr.K.Vinoth	Emerging Opportunities in Power Electronics and Drives	FDP	06.12.2021 to 10.12.2021	Vellore Institute of Technology, Chennai.
28	S.Vinoth John Prakash	Third International Virtual Conference on Power Engineering Computing and Control (IEEE)	Conference	05.05.2022 to 06.05.2022	Vellore Institute of Technology, Chennai.
29	S.Vinoth John Prakash	National Level Technical Workshop on Solar Cell: Fabrication and Characterization	Workshop	19.07.2021	Sri Sivasubramaniya Nadar College of Engineering, Chennai
30	S.Vinoth John Prakash	National Level Technical Workshop on Industry 4.0	Workshop	10.07.2021	Sri Sivasubramaniya Nadar College of Engineering, Chennai
31	S.Vinoth John Prakash	Challenges of Electric Vehicle and Charging Infrastructure in India	FDP	27.12.2021 to 31.12.2021	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
32	Dr.K.Karthikumar	NESAC User Interaction Meet (NEUIM - 2022)	Interaction	23.05.2022 to 24.05.2022	NESAC, Umiam
33	Dr. K. Karthikumar	Emerging Trends in Internet of Energy	Webinar	25.01.2022	PET Engineering College
34	S.Hema	Equal Current Sharing Parallely Connected Interleaved Boost Converter in DC Micro grid Using Control Algorithm	International Conference	25.04.2022	Inventive Research Organisation, India
35	S.Hema	Closed Loop Fopid Controlled Cascaded Quadratic Boost Converter Fed DC Drive System	International Conference	21.04.2022	SRM TRP Engineering College
36	S.Hema	DC Drive System of Model Predictive Controlled Cascaded Quadratic Boost Converter	International Conference	02.05.2022	SRM Institute of Science and Technology

37	S.Hema	Fuzzy Logic and Neural Networks	NPTEL Course, FDP	Feb-April 2022	Indian Institute of Technology, Kharagpur
38	S.Hema	Fuzzy Sets, Logic and Systems and Applications	NPTEL Course, FDP	Jan-April 2022	Indian Institute of Technology, Kanpur
39	S.Hema	Tuning The Gains of PID Controller with Mat lab	Online Course	28.10.2021	Rhyni Technical Skills and Fundamentals
40	S.Hema	Introduction to Artificial Neural Network	FDP	08.02.2022	Christ The King Engineering College, Coimbatore.
41	S.Hema	Challenges of Electric Vehicle and Charging Infrastructure in India	FDP	27.12.2021 to 31.12.2021	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
42	S.Hema	EV Motor Design Using Electromagnetic Simulation Tool	Workshop	18.03.2022	SRM Institute of Science and Technology
43	Dr. K. Karthikumar	Recent Advancement in Electrical Engineering: A Research Perspective	FDP	26.07.2021 to 30.07.2021	Vellore Institute of Technology, Chennai.
44	Dr. K. Karthikumar	Energy Ambassador Contest Workshop Series	Workshop	25.09.2021	Vellore Institute of Technology, Chennai.
45	Dr. K. Karthikumar	Trasformerless Grid Connected PV System Using TSRPWM Strategy with Single Phase 7 Level Multilevel Inverter	VIT	07.10.2021 to 08.10.2021	Vellore Institute of Technology, Chennai.
46	Dr. K. Karthikumar	NPTEL E-Awareness Workshop	Workshop	13.08.2021	NPTEL
47	Dr. K. Karthikumar	Design and Operational Perspective of Electric Vehicle with Distributed Energy Resources Using Cyber Physical System	FDP	19.07.2021 to 31.07.2021	KPR Institute of Engineering and Technology, Coimbatore.

48	Dr. K. Karthikumar	Solar Cell: Fabrication and Characterization	Workshop	19.07.2021	Sri Sivasubramaniya Nadar College of Engineering, Chennai
49	Dr. K. Karthikumar	Recent Trends in EV Technology	Webinar	09.07.2021	DMI College of Engineering
50	Dr. K. Karthikumar	Career Opportunities in EV Industry	Webinar	12.07.2021	Mohamed Sathak A J College of Engineering
51	Dr. K. Karthikumar	Futuristic Electric Transportation Systems	FDP	20.09.2021 to 24.09.2021	Sree Vidyanikethan Engineering College, A.Rangampet
52	D.Manimegalai	Smart Grid and Electric Vehicle	FDP	14.10.2021 to 15.10.2021	Sastra Deemed University, Kumbakonam
53	D.Manimegalai	Funding Agency for Supporting IPR and Entrepreneurship	FDP	05.07.2021	Mahendra Institute of Technology, Tiruchengode
54	D.Manimegalai	Advancement in Futuristic Energy Devices	FDP	20.09.2021 to 24.09.2021	Thanthai Periyar Government Institute of Technology
55	D.Manimegalai	Recent Advancement & Research Opportunities in Energy Sector	FDP	29.11.2021 to 03.12.2021	Aditya Engineering College
56	D.Manimegalai	Innovative & Inventive Problem Solving	STTP	13.07.2021 to 18.07.2021	AISSMS COE, Pune
57	D.Manimegalai	Research Ethics	FDP	07.09.2021 to 11.09.2021	Doctor Harisingh Gour Vishwavidyalaya Sagar
58	D.Manimegalai	Future Trends in Green Energy Technologies for Sustainable Development	FDP	25.10.2021 to 29.10.2021	Agricultural Engineering College and Research Institute

59	D.Manimegalai	Smart Grid and Electric Vehicle	FDP	04.10.2021 to 08.10.2021	Sastra Deemed University, Kumbakonam
60	D.Manimegalai	Recent Trends and Development in Electrical Power Engineering	FDP	21.06.2021 to 25.06.2021	Chadalawada Ramanamme Engineering College, Tirupati
61	D.Manimegalai	Research Methodology	Workshop	10.08.2021	IEC University, Himachal Pradesh
62	D.Manimegalai	Basic of Intellectual Property Rights	Workshop	11.09.2021	Nagpur Institute of Technology
63	D.Manimegalai	Current Trends in Digital Technologies	FDP	14.03.2022 to 21.03.2022	SRM Institute of Science and Technology
64	D.Manimegalai	E-Governance Initiative	FDP	18.04.2022 to 22.04.2022	BIT, Bengaluru
65	D.Manimegalai	Introduction to Research	NPTEL Course/FDP	Feb 2022 to Apr 2022	IIT, Madras
66	D.Manimegalai	Artificial Intelligence in Electrical Drives	National Seminar	12.02.2022	Sri Sivasubramaniya Nadar College of Engineering
67	D.Manimegalai	Enabling Project Based Learning with Matlab, Simulink and Target Hardware	Webinar	12.03.2022	Math works, Design tech Systems Pvt. Ltd.
68	D.Manimegalai	Transforming Quality of Teaching by Adopting and Innovating ICT Tools and Techniques	Seminar	21.04.2022 to 22.04.2022	Sri Ramakrishna College of Arts & Science, Coimbatore
69	D.Manimegalai	Emerging Trends in Internet of Energy	Webinar	25.01.2022	PET Engineering College
70	D.Vinodini	Closed Loop Fopid Controlled Cascaded Quadratic Boost Converter Fed DC Drive System	International Conference	21.04.2022	SRM TRP Engineering College
71	D.Vinodini	DC Drive System of Model Predictive Controlled Cascaded Quadratic Boost Converter	International Conference	02.05.2022	SRM Institute of Science and Technology

FACULTY DELIVERED WORKSHOP/WEBINAR

S.No.	Name of Faculty	Description	Conference /Workshop	Dates	Venue
1	Dr.K.Karunanithi	Simulation tools in Electrical Engineering – HOMER Software	Workshop	20.06.2022	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
		AICTE PRERANA scheme, GATE Coaching on Induction motors	Webinar	06.11.2021	Kongu Engineering College
2	Dr.S.Ramesh	Simulation tools in electrical engineering – MATLAB	Workshop	22.06.2022	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
		AICTE PRERANA scheme, GATE Coaching on Power Systems	Webinar	05.12.2021	Kongu Engineering College
3	P. Sathyanathan	Entrepreneurship - Technology & Innovation	Webinar	26.09.2021	St. Joseph College of Engineering, Sriperumbudur, Chennai
		Who is an Entrepreneur?	Webinar	11.06.2022	Holy Cross Engineering College, Thoothukudi.
4	S.Vinoth John Prakash	Renewable Energy Sources and its Challenges	Webinar	04.09.2021	Lakshmi Ammal Polytechnic College, Kovilpatti
5	S.Krishnakumar	Proteus- Microcontroller Programming	Workshop	23.06.2022	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
6	R.Sreedhar	Renewable Energy Technology MATLAB Simulation	Workshop	25.06.2022	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
7	Dr.S.Sivakumar	Design of Embedded Systems based on RTOS & Firmware Development	Webinar	09.04.2022	Mount Zion College of Engineering and Technology, Pudukkottai
	Dr.S.Sivakumar	Simulation tools in Electrical Engineering	Workshop	20.06.2022	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology

FACULTY PUBLICATIONS

Sl. No	Author Name, Position	Paper Title	Journal Name	Vol. No., Issue No and Page No	SCI / Web of Science / SCOPUS / UGC - CARE
1	Dr.S.Ramesh	A Comparative 3-D Transient Electromagnetic, Thermal and Power Train Study of Single Rotor BLPMSM and Dual Rotor Machine for Electric Propelled Vehicle	Springer / Electrical Engineering	Vol. No 103, Issue No 06, Page No: 2705-2731	SCI & Web of Science
2	Dr.K.Karunanithi	A Novel Triple-Level Combinational Framework for Brain Anomaly Segmentation to Augment Clinical Diagnosis	Taylor & Francis / Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization	Vol. No 10, Issue No 01, Page No: 96-111	ESCI & Web of Science
3	Dr.K.Karunanithi Mr.N.K.Rayaguru	An Assessment of GHG Mitigation Potential by Electricity Expansion Planning Using LEAP Model	Inderscience Publishers (IEL) / International Journal of Global Warming	Vol. No 25, Issue No 02, Page No: 135-149.	SCI & Web of Science
4	Dr.K.Vinoth	Fuzzy Logic Control for Solar PV Fed Modular Multilevel Inverter Towards Marine Water Pumping Applications	IEEE / IEEE Access	Vol.No 9, Page No: 88524-88534	SCI & Web of Science
5	S.Vinoth John Prakash Dr.P.K.Dhal	Techno-Economic Assessment of a Standalone Hybrid System Using Various Solar Tracking Systems for Kalpeni Island, India	MDPI / Energies	Vol. No 14, Issue No 24, Page No:8533	SCI & Web of Science
6	Dr.K.Vinoth	Analysis of The Impact of Magnetic Materials on Cogging Torque in Brushless DC Motor	Hindawi / Advanced Hybrid Composites for Engineering Applications	Volume 2021, Article Id:5954967	SCOPUS

7	Dr.K.Karunanithi Dr.S.Ramesh N.K.Rayaguru	Investigations of Electricity Expansion Environmental Planning Using Leap Model for Sustainability	Inderscience Publishers (IEL) / International Journal of Energy Technology and Policy	Vol. No 17, Issue No 04., Page No:384-397	SCOPUS
8	S.Vinoth John Prakash Dr.P.KDhal	Modelling and Analysis of Solar and Wind System Adequacy Assessment and Cost Optimization	IIETA / Mathematical Modelling of Engineering Problems	Vol. No 8, Issue No 6, Page No:861-870.	SCOPUS
9	Dr.P.Chandrasekar	Fatigue Mitigation of Wind Turbine System Using Multiple Point Model Predictive Control	IAES / International Journal of Power Electronics and Drive Systems	Vol. No 12, Issue No 4, Page No:2261-2272	SCOPUS
10	Dr.P.KDhal	Maximization of Economy in Distribution Networks with Most Favourable Placement of Type-1 and Type-2 Distributed Generators along with Reorganization using PSO-WOA Hybrid Optimization Algorithm	ARPN Journal of Engineering and Applied Sciences	Vol. No 16, Issue No 22., Page No:2344-2353	SCOPUS
11	Dr.S.Ramesh Dr.P.Chandrasekar	Evolutionary Based Optimal Power Flow Solution for Load Congestion using PRNG	International Journal of Engineering Trends and Technology	Vol. No 69, Issue No 08, Page No:225-236	SCOPUS
12	Dr.K.Vinoth	Amalgamated Approach for Identification of Bone Tumour by using Magnetic Resonance Imaging	Association of Cell Biology Romania / Annals of The Romanian Society for Cell Biology	Vol. No 25, Issue No. 5, Page No: 516-524	SCOPUS
13	Dr.K.Karunanithi	Evaluation of Increasing Rate for Small-Scale Power Manufacturers Adopting Ant Lion Optimizer	Science Research Society / Turkish Journal of Computer and Mathematics Education	Volume - 12, Issue 7, Page No:2686-2695.	UGC-CARE
14	Dr.K.Karunanithi	Optimal Production Cost Assessment Considering Increase Cost Borders using SALP Swarm Algorithm	Trade Journal / Design Engineering	Volume 2021, Issue: 03, Page No: 09-20	UGC-CARE

15	R.Sreedhar	3D PCB Designing of Protecting Circuit using Fusion 360	Asian Society for Scientific Research / Asian Journal of Convergence in Technology	Vol. No 7, Issue No. 1, Page No: 63-65	UGC-CARE
16	Dr.K.Vinoth	Comprehensive Analysis of Artificial Intelligence with Human Resources Management	Artesis Hogeschool Antwerpen / Linguistica Antverpiensia	Vol. No 2021, Issue No 01, Page No:2274-2284	UGC-CARE
17	Dr.K.Bhaskar	Controlled Converter AC/DC Through Small Input and Output Current	Turkish Journal of Computer and Mathematics Education	Vol. No 12, Issue No 5, Page No:1867-1873	UGC-CARE
18	Dr.K.Bhaskar	Investigation of Predictable and Numerical Pulse Width Modulation Control Scheme for BLDC Motor Drive System	Turkish Journal of Computer and Mathematics Education	Vol. No 12, Issue No 5, Page No:1630-1637	UGC-CARE
19	Dr.K.Bhaskar	Multilevel Converter Based System Fault Analysis	Turkish Journal of Computer and Mathematics Education	Vol. No 12, Issue No 5, Page No:674-683	UGC-CARE
20	Dr.S.Ramesh	Modern Swarm Intelligence Based Algorithms for Solving Optimal Power Flow Problem in a Regulated Power System Framework	Turkish Journal of Computer and Mathematics Education	Vol. No 12, Issue No 2, Page No:1786-1793	UGC-CARE
21	Dr.P.K.Dhal	On-The Go Wireless Charging for Electric Vehicle	International Research Journal of Engineering and Technology	Vol. No 08, Issue No 3, Page No:1287-1292	UGC-CARE
22	Dr.P.K.Dhal	Study of PV Twin Cell Array for Solar Roadways with Wireless Charging Station and Robocop Docking Station	International Research Journal of Engineering and Technology	Vol. No 08, Issue No 3, Page No:820-825	UGC-CARE
23	Dr.P.K.Dhal	A Modified Hydro Thermal Scheduling for Power System Area Using Goat Algorithm	International Journal of Research and Analytical Reviews	Vol. No 08, Issue No 1, Page No:72-78	UGC-CARE

24	Dr.P.K.Dhal	Congestion Control and Optimal Size of Photovoltaic Device using Multiverse Optimization Technique	IGI Publishing / International Information and Engineering Technology Association	Vol. No 08, Issue No 4, Page No:566-574	UGC-CARE
25	Dr.K.Karunanithi Dr.S.Ramesh Dr.K.Karthikumar Dr.P.Chandrasekar	Investigations on OFF-Grid Hybrid Renewable Energy Micro Grid for Sustainable Development Growth	World Scientific / Journal of Circuit Systems and Computers	Vol. No 31, Issue No 6., Page No:2230003-(1-21)	SCIE
26	Dr.S.Ramesh Dr.K.Karunanithi Dr.P.Chandrasekar	An Improved Multi Objective Mayfly Algorithm for Solving Optimal Power Flow Problem Considering Different Loading Conditions	Journal of Circuits, Systems, and Computers	June-2022	SCIE
27	Dr.K.Vinoth	Analysis of the Impact of Magnetic Materials on Cogging Torque in Brushless DC Motor	Advances In Materials Science and Engineering,	December-2021	SCOPUS
28	Dr.K.Karunanithi	Minimally Parameterized Segmentation Framework with Dual Metaheuristic Optimisation Algorithms and FCM For Detection of Anomalies in MRI Brain Images	Biomedical Signal Processing and Control	May-2022	SCIE
29	S.C.Vijaya Kumar Dr.K.Karunanithi Dr.S.Ramesh Dr.P.Chandrasekar & R.Obulupathy	Modelling of Electric Vehicle Charging Station and Controlled by Fuzzy Logic Controller with Different Modes of Operation	Journal of Control and Decision	April-2022	E-SCI
30	R. Sreedhar Dr.P.Chandrasekar Dr.K.Karunanithi S.C.Vijayakumar	Design and Validation of a Single-Phase Buck-Boost Inverter with Grey Wolf Optimization Algorithm Under Partial Shaded Conditions	International Journal of Information Technology	May-2022	SCOPUS
31	S.Vinoth John Prakash Dr.P.K.Dhal	Cost Optimization and Optimal Sizing of Standalone Biomass /Diesel Generator/ Wind Turbine/ Solar Microgrid System	AIMS Energy	June-2022	SCOPUS

32	Dr.K.Karunanithi	A Novel CZP-BC-FLASH ADC Using Zero Phase Bubble Error Robust Controller for Reliable VLSI Circuits	International Journal of Information Technology	January-2022	SCOPUS
33	Dr.K.Karunanithi	IOT Based Healthcare System for Patient Monitoring	Lecture Notes in Networks and Systems	January-2022	SCOPUS
34	Dr.K.Karunanithi Dr.S.Ramesh, N.K.Rayaguru	Investigations of Electricity Expansion Environmental Planning using Leap Model for Sustainability	International Journal of Energy Technology and Policy	October-2021	SCOPUS
35	D.Manimegalai	Image Processing-Based Switching Matrix for PV Array under Partial Shading Conditions	Lecture Notes in Electrical Engineering	Jan-2022	SCOPUS

CONFERENCE PUBLICATIONS

S. No.	Name of Faculty	Description	Conference /Workshop	Dates	Venue / Vol No
1	Dr.P.Chandrasekar Dr.K.Karthikumar N.K.Rayaguru	Enhancement of Power Quality with Fuzzy Based UPQC in Grid Integrated and Battery Assisted PV System	2nd Global Conference for Advancement in Technology, GCAT 2021	01.10.2021 to 03.10.2021	Nagarjuna College of Engineering and Technology, Bangalore.
2	Dr.P.K.Dhal	Analysis of Phasor Measurement Units for Optimal Placement Using Particle Swarm Optimization and SAM ACO Algorithm	2021 Asian Conference on Innovation in Technology (ASIANCON)	27.08.2021 to 29.08.2021	Pimpri Chinchwad College of Engineering & Research, Pune
3	Dr.P.Chandrasekar	Fabrication of Rechargeable Lithium-Ion Coin Cell using a Biopolymer Electrolyte	4th International Conference on Inventive Material Science and Applications (ICIMA-2021)	14.05.2021 to 15.05.2021	PPG Institute of Technology, Coimbatore.
4	Dr.K.Karunanithi	Implementation of ANN Trained Voltage Control Scheme for Grid Islanded DG System	IOP Publishing / Journal of Physics: Conference Series	19.03.2021 to 20.03.2021	Goa, India.

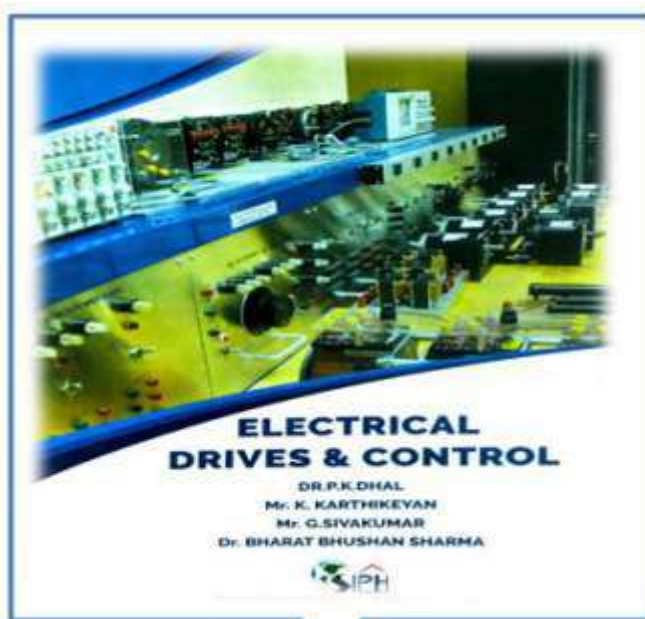
5	Dr.S.Baskar	E-Vehicle Operating with Hybrid System	Latest Trends in Civil, Mechanical and Electrical Engineering (LTCMEE - 2021)	12.04.2021 to 13.04.2021	Maulana Azad National Institute of Technology (MANIT), Bhopal
6	R.Sreedhar Dr.K.Karunanithi Dr.P.Chandrasekar	Nearest Space-Vector Control Strategy for High-Resolution Multilevel Inverters	6th International Conference for Convergence in Technology (I2CT)	02.04.2021 to 04.04.2021	IEEE Bombay Section
7	Dr.S.Baskar	Automatic Control of Vehicles by using Alcohol Sensor	National Web Conference on Advanced Science, Engineering and Technology (NCASET-2k21)	26.03.2021	Jai Shriram Engineering College, Chennai.
8	Dr.S.Baskar	Effect of dispersing CTBN into Diglycidyl Ether of Bisphenol-A on Mixed mode Loading	3rd International Conference on Trends in Material Science and Inventive Materials (ICTMIM 2021)	12.03.2021 to 13.03.2021	JCT College of Engineering and Technology, Coimbatore
9	Dr.P.K.Dhal	Transient Stability Analysis with Optimal Location of Fact Controller using Hybrid Optimization Technique	3rd International Conference on Communication and Computational Technologies (ICCCT 2021)	27.02.2021 to 28.02.2021	Rajasthan Technical University, Kota
10	Dr.P.Chandrasekar Dr.K.Karunanithi R.Sreedhar	Fault Diagnosis at Start-Up of Induction Motor Drive using Wavelets	7th International Conference on Electrical Energy Systems (ICEES 2021)	11.02.2021 to 13.02.2021	Sri Sivasubramaniya Nadar College of Engineering, Chennai.
11	Dr.P.K.Dhal S.Vinoth John Prakash	Investigation Wind Renewable Energy System in Muppandal Wind Power Station	7th International Conference on Electrical Energy Systems (ICEES 2021)	11.02.2021 to 13.02.2021	Sri Sivasubramaniya Nadar College of Engineering, Chennai.

12	Dr.S.Baskar	Electric Vehicle Charging Station for Different Loads	Smart Technologies in Electric Vehicles and Power Grid – Step 2021	27.01.2021 to 29.01.2021	Sri Venkateswara College of Engineering, Chennai
13	Dr.P.K.Dhal	Minimization of Losses and Maximum of Economy in Distribution Networks with most favourable placement of Type-1 & 2 Distribution Generators along with Reorganization using PSO-SSA	11th International Conference on Cloud Computing, Data Science & Engineering (Confluence-2021)	28.01.2021 to 29.01.2021	Amity University, Uttar Pradesh
14	Dr.K.Karunanithi R.Sreedhar	Design, Simulation Analysis of Universal Battery Management System for EV Applications	Materials Today: Proceedings	2021	Published in Online. Volume / Issue Number to be assigned
15	Dr.K.Karthikumar Dr.K.Karunanithi Dr.P.Chandrasekar P.Sathyanathan S.Vinoth John Prakash	SSA-RBFNN Strategy for Optimum Framework for Energy Management in Grid-Connected Smart Grid Infrastructure Modelling	Materials Today: Proceedings	2021	Published in Online. Volume / Issue Number to be assigned
16	Dr.P.K.Dhal	Maximization Savings in Distribution Networks with Optimal Location of Type-I Distributed Generator Along with Reconfiguration using PSO-DA Optimization Techniques	Materials Today: Proceedings	2021	Vol. No 08, Issue No 4, Page No:566-574.
17	M.Karuppiah P.Dineshkumar Dr.K.Karthikumar	Design a Electric Vehicle Charger Based SEPIC Topology With Pi Controller	2020 IEEE International Conference on Advances and Developments in Electrical and Electronics Engineering (ICADEE)	2021	Karpagam College of Engineering, Coimbatore

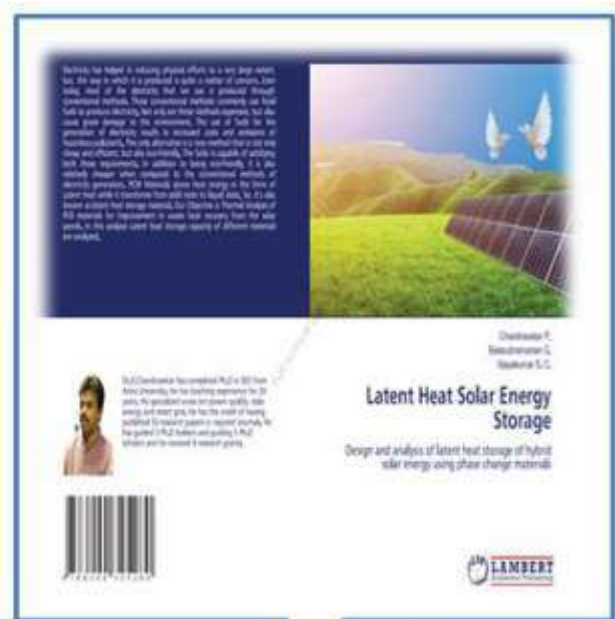
BOOK CHAPTERS PUBLISHED

S. No.	Name of the Faculty Members	Title of the Book / Book Chapter	Publisher Name	SCOPUS / UGC
1	N.K.Rayaguru	Proceedings of International Conference on Power Electronics and Renewable Energy Systems / Modified Multiverse Optimization, Perturb and Observer Algorithm-Based MPPT for Grid-Connected Photovoltaic System	Springer	SCOPUS
2	Dr.K.Karunanithi	IoT and Analysis for Sensor Networks / IoT based Healthcare System for Patient Monitoring	Springer	SCOPUS
3	Dr.S.Ramesh	Application of Artificial Intelligent Techniques in Microgrid / Microgrid Technologies	Wiley	SCOPUS
4	P.Sathyanathan	Machine Learning-Based Predictive the Forecasting of Short-Term Wind Speed	Journal of Physics / Conference Series	SCOPUS
5	M.Karuppiah, P.Dineshkumar A.Arunbalaj S.Krishnakumar	Control In Electric Vehicles and Smart Grid with Renewable Energy Synergies / Analysis and Incorporation of PV and Battery for DC Scattered System	Springer	SCOPUS
6	Dr.P.K.Dhal	Control in Electric Vehicles and Smart Grid with Renewable Energy Synergies / Voltage Fluctuation Control Analysis of Induction Motor Drives in Textile Mill using Phasor Measurement Unit	Springer	SCOPUS
7	Dr.K.Karthikumar Dr.P.Chandrasekar	Control in Electric Vehicles and Smart Grid with Renewable Energy Synergies/Transformer-Less Grid Connected PV System Using TSRPWM Strategy with Single Phase Seven Level Multilevel Inverter	Springer	SCOPUS
8	Dr.P.KDhal S.Vinoth John Prakash	Control in Electric Vehicles and Smart Grid with Renewable Energy Synergies / Reliability Assessment for Solar and Wind Renewable Energy in Generation System Planning	Springer	SCOPUS
9	Dr.K.Karthikumar M.Karuppiah	Sixth International Conference on Intelligent Computing and	Springer	SCOPUS

	N.Udhayaraj A.Arunbalaj S.C.Vijayakumar	Applications / A Novel Monitoring Arrangement for Single and Multiple Power Quality Occasions Calculation and Classification in Supply System: A GSA-Fuzzy Strategy		
10	Dr.S.Ramesh, Dr.P.Chandrasekar	Analysis of Intelligent Controllers for Juice Flow Process in A Sugar Industry	Springer	SCOPUS
11	Dr.P.KDhal	Advances in Automation, Signal Processing, Instrumentation, and Control / A Hybrid Optimization Technique-Based Transient Stability Improvement using Static VAR Compensator	Springer	SCOPUS
12	N.K.Rayaguru Dr.P.KDhal	Intelligent Computing in Control and Communication / Sliding Mode Based Modified Reference Voltage Control Aided Maximum Power Point Tracking for Photovoltaic Fed Brushless Dc Motor System	Springer	SCOPUS



Book Published
 by
Dr. P.K. Dhal



Book Published
 by
Dr. P.Chandrasekar

DETAILS OF IMPACT FACTOR, H-INDEX, i10-INDEX AND CITATIONS

S.No.	TTS No.	Faculty Name	Designation	Highest Impact Factor
1	2736	Dr. K. Karunanithi	Professor	5.076
2	3065	Dr.K.Karthikumar	Associate Professor	3.732
3	2611	Dr.K.Vinoth	Associate Professor	3.557

S.No.	TTS No.	Faculty Name	Designation	H-Index
1	351	Dr. P. K. Dhal	Professor	8
2	2085	Dr. P. Chandrasekar	Professor & HOD	6
3	2784	Dr. S. Ramesh	Professor	6
4	2736	Dr.K.Karunanithi	Professor	6

S.No.	TTS No.	Faculty Name	Designation	i-10 Index
1	2784	Dr. S. Ramesh	Professor	6
2	351	Dr. P. K. Dhal	Professor	5
3	2736	Dr. K. Karunanithi	Professor	5
4	2085	Dr. P. Chandrasekar	Professor & HOD	4

S.No.	TTS No.	Faculty Name	Designation	Citations
1	2784	Dr. S. Ramesh	Professor	294
2	2736	Dr. K. Karunanithi	Professor	175
3	351	Dr. P. K. Dhal	Professor	161

FACULTY REWARDS

Faculty Name	Designation	Purpose of Reward	Amount (Rs)
Dr. P. Chandrasekar (TTS 2085)	Professor	R&D Project Incentive and Patent Granted	84,258/-
Dr. P.K.Dhal (TTS 351)	Professor	Publications and Book Authored	38,000/-
Dr. S. Baskar (TTS 2136)	Professor	R&D Project Incentive	37,909/-
Mr. N.K. Rayaguru (TTS 2666)	Associate Professor	Book Authored	2,500/-
Dr. S. Kuzhaloli (TTS 2623)	Assistant Professor	Book Authored	1,250/-
Mr. K. Barathi (TTS 2151)	Assistant Professor	Patent Granted	3,333/-
Mr. S. Vinoth John Prakash (TTS 2026)	Assistant Professor	Patent Granted	3,333/-



PROFESSIONAL SOCIETY MEMBERSHIPS -FACULTY



PROFESSIONAL SOCIETY MEMBERSHIPS -STUDENTS

SOCIETY NAME	NO. OF MEMBERS
IEEE - PES	10
SESI	12
IET	06



STUDENTS ACHIEVEMENTS



UJJWAL SINGH (2013-17) secured **All India Ranking No.1** in Indian Army Service Selection Board (SSB) held for 125th Technical Graduate Course, July 2017



S. VINAI KUMAR (2014-18) received "**Best Innovator Award**" in TECHgum' 2018 organized by L&T Technology Services at Bangalore. placed in BOSCH with Salary of Rs.6 Lakhs per Annum



VENKATA RAKESH (2014-18) received "**Best Creative Technology Award**" in KASA Korean Car Competition at South Korea on 16th May 2018 and placed in Hyundai Mobis with Salary of Rs.6 Lakhs per Annum



T.DEVENDER RAM (2017-21) has won **National level prize** in Tennis conducted by Govt. of Haryana, India in Sep. 2018



GATE Qualified Students Year 2022



RAJA SEKHAR REDDY GANGANA
VTP2420
2019-2021 Batch
Gate Score: 564
All India Rank: 2665



ADARSH CHATURVEDI
VT9803
2017-2021 Batch
Gate Score: 485
All India Rank: 4394



B S P S MANOHAR
VT13799
2019-2023 Batch
Gate Score: 396
All India Rank: 7424



SAI DEEPAK PASUPULETI
VT14771
2018-2022 Batch
Gate Score: 350
All India Rank: 9736



B.S.P.S Manohar VTU 13799 of third year EEE got GATE score 2022



Third Prize in Project Exhibition by third year EEE Students Vishnukumar, S.Sarath, Mohd Mansoor

Students Participation in Smart India Hackathon 2022



**SMART INDIA
HACKATHON
2022**



Vel Tech
Rangarajan Dr. Sagunthala
RAD Institute of Science and Technology
(Deemed to be University Estd. on 3 of UGC Act, 1956)



AICTE
All India Council of Technical Education



Ministry of Education
Government of India

Team Name: Electronics Classics

PS Number : SM956

Category : Smart Vehicles

Organization : VelTech University

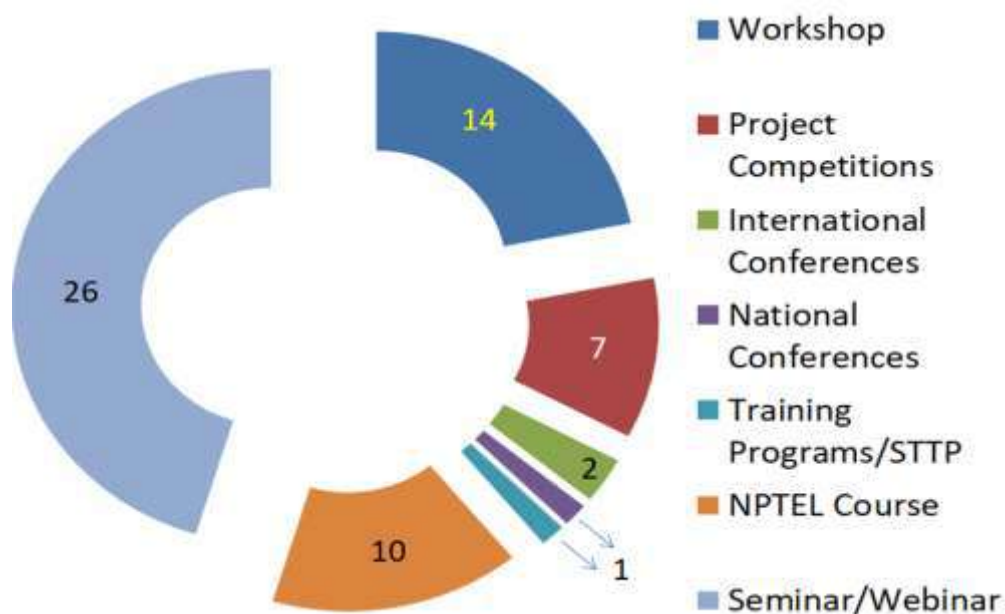
Domain Bucket : SMART AUTOMATION

**INTELLIGENT CONTROLLER
BASED MONITORING AND
PREVENTION OF ROAD
ACCIDENTS BY USING
ALCOHOL AND EYE BLINK
DETECTION SENSORS**

Special category awards : **Best Innovation Award**

					
Student Name: MVS MARUTHI RAO VTU No: 13049 Dept.EEE	Student Name: B.CHANDRA SHEKAR VTU No.13262 Dept.EEE	Student Name:P.GOPI CHAND VTU No. 13829 Dept.EEE	Student Name: D SHIVA KRISHNA VTU No. 13261 Dept.EEE	Student Name: P.CHANDRA SEKHAR VTU No.13546 Dept.EEE	Student Name: G NAGA SWEATHA VTU No.11938 Dept.EEE

STUDENTS ENRICHMENT EVENTS





STUDENTS PARTICIPATIONS IN COMPETITIONS

S. No.	Name of the Student	Project/Event Title & Achievement	Project Competition	Dates	Venue
1	Swetha, Chandrasekar, Gopichand, Sivakrishna, Maruthi Rao	Intelligent Controller based Monitoring and Prevention of Road Accidents	SMART INDIA HACKATHON	2022	Online
2	Mohd Shahzeb	Cost Effective Non Invasive Glucometer	SMART INDIA HACKATHON	2022	Online
3	Mohd Shahzeb	Cost Effective Non Invasive Glucometer	SRSHTI-2022	25-04-2022	SAINTGITS, Kerala
4	P.Ch.Sai Manikanta Erra Harikrishna	Paper Presentation	TECHNOKING S'2K22	27-05-2022	KINGS Engineering College, Chennai
5	BSPS Manohar	Robotics and Automation	IEEE sponsored	14-08-2021	St. Joseph College of Engineering, Chennai
6	B. Chandara Shekhar	Accident Prevention by Using Alcohol and Eye Blink Detection Sensors under the theme Industry	VISAI 2022	24-02-2022	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

		Innovation and Infrastructure			
7	Sarath Sivakumar	National Education Day 2021	University Level Quiz	20-12-2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
8	Sarath Sivakumar	Neocodeathon 2021	National wide coding competition	November 2021	Online
9	Paiakitlang F Syiem	National level E-Quiz	National level E-Quiz	27-11-2021	Sri Ramakrishna Engg College, Coimbatore
10	Pranav Kumar Rowlo	Kurukshetra'22	Kurukshetra'22	05-04-2022 to 08-04-2022	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology.
11	Kavalakuntla Lokeswar Reddy	AptiMind - First Prize	University Level Quiz	November 2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
12	Vishnukumar Sarath Sivakumar S.Abdul Mansoor	III rd Prize Project Expo'2k22	University Level	04-06-2022	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology



STUDENTS ATTENDED WORKSHOP/SEMINAR/WEBINAR

S. No	Name of the Student	Event Title	Workshop/ Seminar /Webinar	Dates	Venue
1	Anniruddhsinh Thakor	Electric Vehicles and Renewable Energy	Seminar	Jul-Oct 2021	NPTEL
2	B.S.P.S.Manohar	Engineering Program	Webinar	13.02.2022	Forge, General Electric
3	Rilington Kharumnuid	Promoting Student Leadership	Webinar	22.08.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
4	Rilington Kharumnuid	Energy Ambassador Contest Workshop Series	Workshop	18.09.2021	Vellore Institute of Technology
5	Rilington Kharumnuid	Electric Vehicle Battery Management System	Workshop	16.09.2021 & 17.09.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
6	Anniruddhsinh Thakor	Design and Simulation of Hybrid Smart Grid for Smart City Applications	Workshop	11.11.2021 & 12.11.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
7	Anniruddhsinh Thakor	Licensing / Commercialization of Patents / Technologies	Webinar	12.10.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
8	Anniruddhsinh Thakor	Electric Vehicle Battery Management System	Workshop	16.09.2021 & 17.09.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
9	Anniruddhsinh Thakor	Dispatcher: A Career in Aviation	Webinar	21.04.2022	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

10	Paiakitlang Syiem	Patient Specific Medical Devices	Webinar	28.10.2021	Medcuore Medical Solutionsprivate Limited, Chennai
11	Paiakitlang FSyiem	Medical Equipment Calibration	Webinar	30.10.2021	Medcuore Medical Solutionsprivate Limited, Chennai
12	Paiakitlang FSyiem	Entrepreneurship and Innovation as Career Opportunity	Workshop	03.11.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
13	Paiakitlang FSyiem	Electric Vehicle Battery Management System	Workshop	16.09.2021 & 17.09.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
14	Maddirala Vishnu Kumar	Electric Vehicles and Renewable Energy	Seminar	Jul-Oct 2021	NPTEL
15	Paiakitlang FSyiem	Energy Ambassador Contest Workshop Series	Workshop	18.09.2021	Vellore Institute of Technology
16	Bhavyapriya	Dispatcher: A Career In Aviation	Webinar	21.04.2022	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
17	Veera Venkata Sai Kumar Gandham	Dispatcher: A Career in Aviation	Webinar	21.04.2022	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
18	Aswinkumar	Dispatcher: A Career in Aviation	Webinar	21.04.2022	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

19	Ajeet Kumar	Interview Screening Procedures	Webinar	15.09.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
20	Ajeet Kumar	Business Ideas & Skills	Webinar	20.09.2021 to 24.09.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
21	Revanthkumar	Workshop	Kurukshetra-2022 (Event Name)	05.04.2022 to 08.4.2022	College Of Engineering, Guindy
22	Revanthkumar	A Review of Magneto-Optical Current Transformer for Electrical System	National Conference	27.5.2022 to 28.05.2022	SVCE, Sriperumbuthur
23	Revanthkumar	Fundamentals Of Semiconductor Devices	NPTEL Online Certification	Jan-April-2022	--
24	Avinash	Participated International Conference on Contemporary Problems and Prospects of Libraries and Information Centre	International Virtual Conference	28.11.2021 & 29.11.2021	Academic Library Association, G.T.N Arts College, Dindigul Tamilnadu
25	Avinash	Electric Vehicle Battery Management System	IET Sponsored Online Workshop	16.09.2021 & 17.09.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
26	Avinash	Design and Simulation of Hybrid Smart Grid for Smart City Applications	IET Sponsored Online Workshop	11.11.2021 & 12.11.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

27	Puppala Chaitanya Sai Manikanta	Electric Vehicle Battery Management System	IET Sponsored Online Workshop	16.09.2021 & 17.09.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
28	Puppala Chaitanya Sai Manikanta	Materials for Sustainability	IET Sponsored Online Workshop	03.09.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
29	Naman Kumar	Electric Vehicle Battery Management System	IET Sponsored Online Workshop	16.09.2021 & 17.09.2021	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
30	Puppala Chaitanya Sai Manikanta	Entrepreneurship and Innovation as Career Opportunity	Workshop	03.11.2021	Vel Tech Rangarajan Dr.Sagunthala R&D Institute Of Science and Technology
31	Puppala Chaitanya Sai Manikanta	Design And Simulation of Hybrid Smart Grid for Smart City Applications	IET Sponsored Online Workshop	11.11.2021 & 12.11.2021	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
32	Puppala Chaitanya Sai Manikanta	Participated International Conference on Contemporary Problems and Prospects of Libraries and Information Centre	International Virtual Conference	28.11.2021 & 29.11.2021	G.T.N Arts College ,Dindigul, Tamilnadu
33	Rahul Bhagat	Learn to Design Your Solar Home System	Online Course	08.08.2021	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
34	Avinash	Business Ideas and Skills	Webinar	20.09.2021 to 24.09.2021	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
35	.Avinash	Supply Chain Leadership	Webinar	01.12.2021	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
36	Avinash	Licensing / Commercialization of Patents / Technologies	Webinar	12.10.2021	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology

37	Puppala Chaitanya Sai Manikanta	Business Ideas and Skills	Webinar	20.09.2021 to 24.09.2021	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
38	Puppala Chaitanya Sai Manikanta	Licensing / Commercialization of Patents / Technologies	Webinar	12.10.2021	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
39	Puppala Chaitanya Sai Manikanta	Online Quiz on NSS	Quiz	23.09.2021 to 25.0.2021	Virudhunagar Hindu Nadar's Senthilkumara Nadar College
40	Puppala Chaitanya Sai Manikanta	National Level Quiz on Python Programming	Quiz	2021-2022	Sigma Institute Of Engineering, Vadodara, Gujarat
41	Puppala Chaitanya Sai Manikanta	Supply Chain Leadership	Webinar	01.12.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
42	Digantanath	Online Quiz Series 22 on Power System	Quiz	29.10.2021	Ramakrishna College of Engineering, Trichy
43	Digantanath	Online Quiz Series 21 on Power System	Quiz	22.10.2021	Ramakrishna College of Engineering, Trichy
44	Digantanath	Business Ideas and Skills	Webinar	20.09.2021 to 24.09.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
45	Digantanath	Supply Chain Leadership	Webinar	01.12.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
46	Gandla Rajkumar	Business Ideas and Skills	Webinar	20.09.2021 to 24.09.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
47	Gutam Mahesh	Online Quiz Series 21 on Power System	Quiz	22.10.2021	Ramakrishna College Of Engineering, Trichy
48	Naman Kumar	Build Your Wealth	Webinar	29.04.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
49	Naman Kumar	Business Ideas and Skills	Webinar	20.09.2021 to 24.09.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology



50	Naman Kumar	Supply Chain Leadership	Webinar	01.12.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
51	Naman Kumar	Testing of Transformers as Per IEC 60076	Webinar	29.08.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
52	Naman Kumar	E-Quiz on Electrical and Electronics Engineering	Quiz	27.12.2021	Sri Ramakrishna Engineering College, Coimbatore
53	Rahul Bhagat	Business Ideas and Skills	Webinar	20.09.2021 to 24.09.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
54	Rahul Bhagat	Testing of Transformers as Per IEC 60076	Webinar	29.08.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
55	Rahul Bhagat	E-Quiz on Electrical and Electronics Engineering	Quiz	27.12.2021	Sri Ramakrishna Engineering College, Coimbatore
56	Rahul Bhagat	Le Scienze Power Point Presentation Competition	Power Point Presentation Competition	10.06.2021	Baba Farid College, Punjab
57	Rahul Bhagat	Online Quiz	Online Quiz	2021-2022	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
58	Vasanth Babu	Business Ideas and Skills	Webinar	20.09.2021 to 24.09.2021	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

STUDENTS COMPLETED NPTEL COURSES

S. No	Name of the Student	Course Title	MOOC Platform	Dates
1	Harish	Fundamentals of Semiconductor Devices	NPTEL	Jan-Apr 2022
2	B.Chandrshekar	Micro Processors and Interfacing	NPTEL	Jan-Apr 2022
3	Ramireddy Sai Sathvika	Micro Processors and Interfacing	NPTEL	Jan-Apr 2022

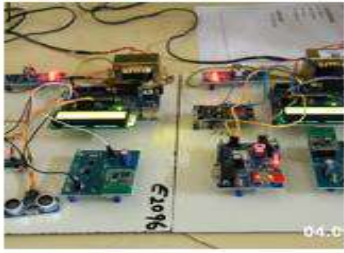
4	Naman kumar	Integrated Circuits MOSFETS operation Amplifier and their applications	NPTEL	Jan-Apr 2022
5	Digantanath	Integrated Circuits MOSFETS operation Amplifier and their applications	NPTEL	Jan-Apr 2022
6	Gaurav Kumar Gupta	Integrated Circuits MOSFETS operation Amplifier and their applications	NPTEL	Jan-Apr 2022
7	Lokesh	Power System Engineering	NPTEL	Jan-Apr 2022
8	Erra Hari Krishna	Power System Engineering	NPTEL	Jan-Apr 2022
9	K Aravind Kumar	Design of power electronic Converters	NPTEL	Jan-Apr 2022
10	Revanth Kumar	Fundamentals of Semiconductor Devices	NPTEL	Jan-Apr 2022
11	Shaik Karimulla	Fundamentals of Semiconductor Devices	NPTEL	Jan-Apr 2022

EVENTS ORGANIZED

Workshop/ Seminar Title	Name of The Experts	Faculty Organized & Dates	Event	No. of Participant s
Promoting Student Leadership	Mr.Tellakula Veera Deshik Charan, Application Development Associate, Accenture Technologies, Hyderabad.	Dr.P.Chandrasekar & 22.08.2021		51
Interview Screening Procedures	Mr.A.Koushik, Inspection Engineer, Engineers India Limited, Government of India, New Delhi.	Dr.P.Chandrasekar & 15.09.2021		48

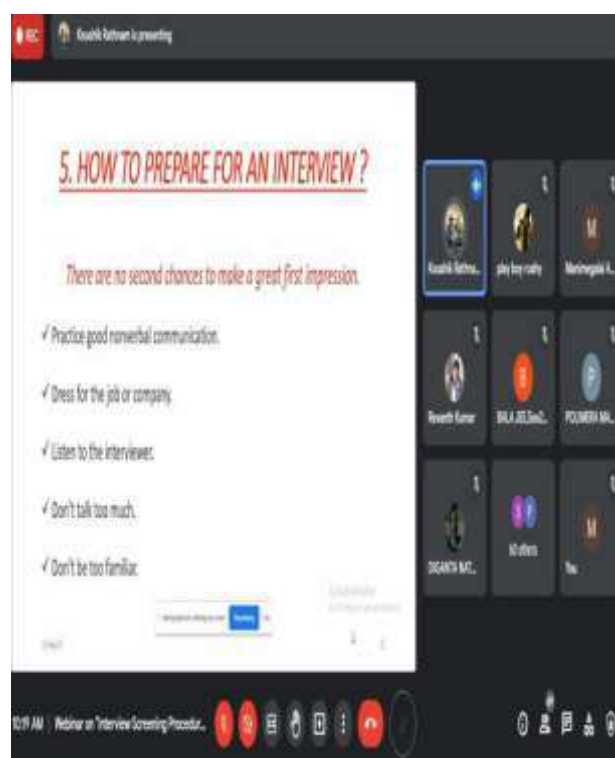
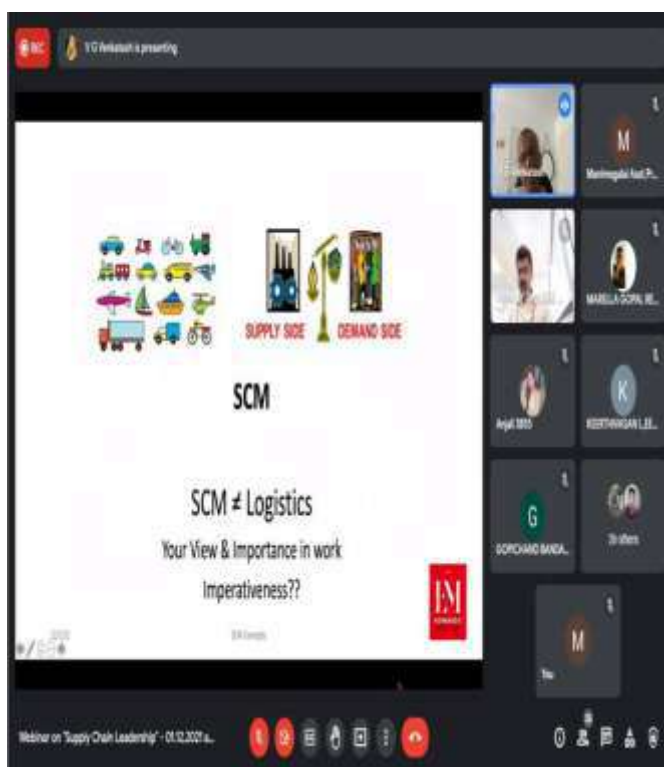
<p>IET Sponsored Two Days Workshop on “Electric Vehicle Battery Management System”</p>	<p>1)Dr.Sanjeevikumar Padmanaban, PhD 2) Dr .Gurappa Battapothula 3) Dr. K. Selvajyothi 4) Dr. R. Gandhiraj 5) Dr.S.Albert Alexander 6) Dr. N. Kamala</p>	<p>Dr. K. Karunanithi Dr. K. Karthikumar & 16.09.2021- 17.09.2021</p>		<p>106</p>
<p>IET sponsored Two Days Workshop on“Design and Simulation of Hybrid Smart Grid for Smart City Application”</p>	<p>1)Dr.Vijayakumar Krishnasamy 2) Dr.P.Balamurugan 3) Dr. R. Ramaprabha 4)Mr.Rajasekhar Reddy</p>	<p>Dr.S.Ramesh Dr. K. Karthikumar & 11.11.2021- 12.11.2021</p>		<p>50</p>
<p>Faculty Development Program (FDP) on “Challenges of Electric Vehicle and Charging Infrastructure in India”</p>	<p>1) Dr. R. Ramesh, 2)Dr.K.Mohanasunda ram 3) Dr. C. Bharatiraja 4) Dr. S. Umashankar, 5) Dr. S. Nagarajan 6) Dr. B. Ashok Kumar 7) Dr. V. Karthikeyan 8) Mr. Satish Amal Raj 9) Dr. S. Devaneyam</p>	<p>Dr. K.Karthikumar Mr. P.Sathyanathan & 27.12.2021- 31.12.2021</p>		<p>48</p>
<p>Supply Chain Leadership</p>	<p>Dr. V.G.Venkatesh, Ph.D (New Zealand), CSCP (SCC-APICS) Associate Professor, EM Normandie Business School, France.</p>	<p>Dr.P.Chandrasekar & 01.12.2021</p>		<p>47</p>
<p>Dispatcher: A Career in Aviation</p>	<p>Mr. Viagul Fernando, Senior Ground Instructor, Chennai Flight School.</p>	<p>Dr.P.Chandrasekar & 21.04.2022</p>		<p>82</p>

<p>Webinar on “Industrial IoT”</p>	<p>Mr. Sathiyaraj Rajakumar</p>	<p>Dr. K.Karthikumar Mr. P.Sathyanathan & 21.05.2022</p>		<p>102</p>
<p>Project Expo 2022</p>	<p>Dr. Mazher Iqbal. J.I Dr. Vinodh Kumar.N Dr.J.Mohanraj Dr. Kalpana Devi. P Dr. KJ Rao Dr.Kanagachithampar esan Dr. V. R. Manoj</p>	<p>Dr. K.Karthikumar Dr. K. Vinoth & 04.06.2022</p>		<p>156</p>
	<p>Dr. K. Karunanithi Mr.T.Chithras Dr.S.Sivakumar Dr.S.Ramesh Dr.S.Shiyamala Mr.S.Krishnakumar Dr.J.Mohanraj Dr.S.Natarajan Mr. R. Sreedhar</p>	<p>Dr. K.Karthikumar Mr.S.C.Vijayakumar & 20.06.2022 - 25.06.2022</p>		<p>38</p>







SKILL AND PERSONALITY DEVELOPMENT PROGRAMS ORGANIZED

S. No	Workshop/Seminar Title	Name of the Experts	Faculty Organized	Dates	No. of Participants
1	Promoting Student Leadership	Mr.Tellakula Veera Deshik Charan, Application Development Associate, Accenture Technologies, Hyderabad.	Mr.S.C.Vijayakumar	22.08.2021	51
2	Interview Screening Procedures	Mr.A.Koushik, Inspection Engineer, Engineers India Limited, Government of India, New Delhi.	Mr.Vinoth John Prakash	15.09.2021	48
3	Supply Chain Leadership	Dr.V.G.Venkatesh, Ph.D (New Zealand), CSCP (SCC-APICS) Associate Professor, EM Normandie Business School, France.	Dr.P.Chandrasekar	01.12.2021	47
4	Dispatcher: A Career in Aviation	Mr. Viagul Fernando, Senior Ground Instructor, Chennai Flight School.	Mrs.D.Manimegalai	21.04.2022	82



EVENTS ORGANIZED-INSTITUTION'S INNOVATION COUNCIL - EEE

Innovation Ambassador-Mr.P.Sathyathan,AP/EEE

Webinar Title	Name of The Experts	Event Dates	Event	No. of Participants
Business Ideas and skills	Mr.P.Hari Founder/Director, Micro MBA Education Pvt Ltd	20-09-2021 to 24-09-2021		65
Licensing/Commercialization of Patents/Tech nologies	Mr.Ram Jawaharlal, Assistant controller of Patents & Designs	12-10-2021		268
Entrepreneur ship & Innovation as career Opportunity	Dr.R.Naveenum ar, JNU-South Korea	03-11-2021		200
Intellectual Property Rights	Mr.S.Udhaya Shanker, Assistant controller of patents & Designs	12-01-2022		109

Smart India Hackathon	Mr.P.Sathyathan Assistant Professor	27-01-2022 & 09-02-2022		129
How to plan for start up- legal & ethical steps	Mr.Saravakumar Nagaraj, Founder/Entrepreneur	23-04-2022		159

INTENSIVE SEMESTER

72 % of Students Completed the Intensive Semester
of Batch 2018-2022

for availing 9 Months Industry Internships /

Major Projects at MNCs /

International Internships

INPLANT TRAINING/INTERNSHIPS

1. Andhra Pradesh Power Generation Corporation Limited
2. Dr Narla Tatarao Thermal Power Station
3. Nucleonix Systems Pvt Ltd, Hyderabad
4. Voltme Motors Private Limited, Hyderabad
5. Meghalaya Energy Corporation Limited
6. Amudhavel Electric Motors Pvt.Ltd.



INDUSTRY INTERNSHIPS

S. No.	Vtu No	Name of the Student	Title	Industry Name
1	14714	Sree Mythili Thokala	Design and Development of Transformer	Andhra Pradesh Power Generation Corporation Limited, Dr Narla Tatarao Thermal Power Station.
2	14531	Muneer Baba G	Monitoring and control system	
3	12564	A. Aditya	Gamma Zone Monitor	Nucleonix Systems Pvt Ltd, Hyderabad
4	11069	T.V.S. Tirumala Naidu		
5	13392	S. Naveen Kumar		
6	10981	A. Pavan Kumar	Universal Charging Infrastructure Design and Development for Electric Vehicles	Voltme Motors Private Limited, Hyderabad.
7	11020	T. Ganesh		
8	10941	Catherine Manar	Short Circuit Analysis of Mawlai Nongkwar 132/33 Kv Substation and Transformer Testing	Meghalaya Energy Corporation Limited
9	11725	Diangtihun Blah		
10	14629	B. S. Mohan Kumar Guptha	Performance Enhancement of Mid Drive Electric Bike	Amudhavel Electric Motors Pvt.Ltd

INTERNATIONAL INTERNSHIPS



HIGHER LEARNING INSTITUTE INTERACTION

Course on
“Grid Connected Photovoltaic System Design”
handled by
Prof. Dr. Saad Mekhilef
University of Malaya, Malaysia
Students Benefited : 33



COURSES OFFERED BY INDUSTRY EXPERTS

Auckam Technologies Pvt. Ltd

PCB Design and Assembly

NIWE, Chennai

Wind and Solar Power

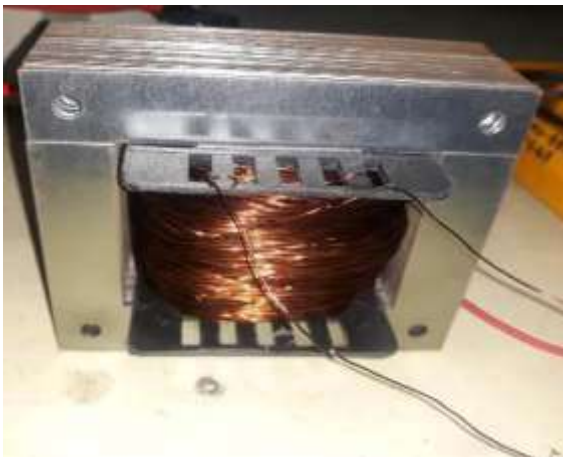


Industry Collaborated : Auckam Technologies Pvt. Ltd
Course Handled : PCB Design and Assembly
Expert Name : Mr. A. Balasuresh
Students Benefited : 24

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

VALUE ADDED SKILL COURSES

Voltage Stabilizer Fabrication

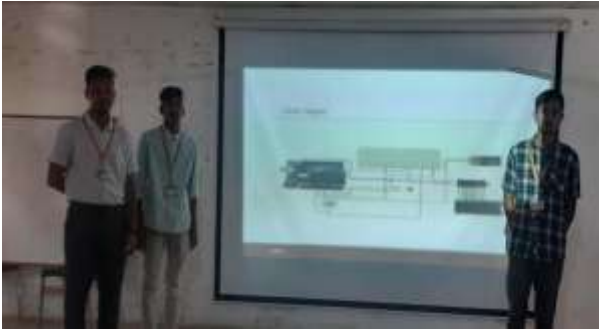


Switch Mode Power Supply
Design and Development



Electric and Hybrid Vehicles

ACTIVE LEARNING TECHNIQUES ADOPTED



Project Based Learning



Experiential Learning



Reciprocal Questioning



Flipped Class Room



Collaborative learning



Activity Based learning

STUDENTS ACADEMIC PERFORMANCE

END SEMESTER EXAM RESULT



TOPPERS - B.Tech. EEE



TOPPERS - M.Tech. Power Electronics



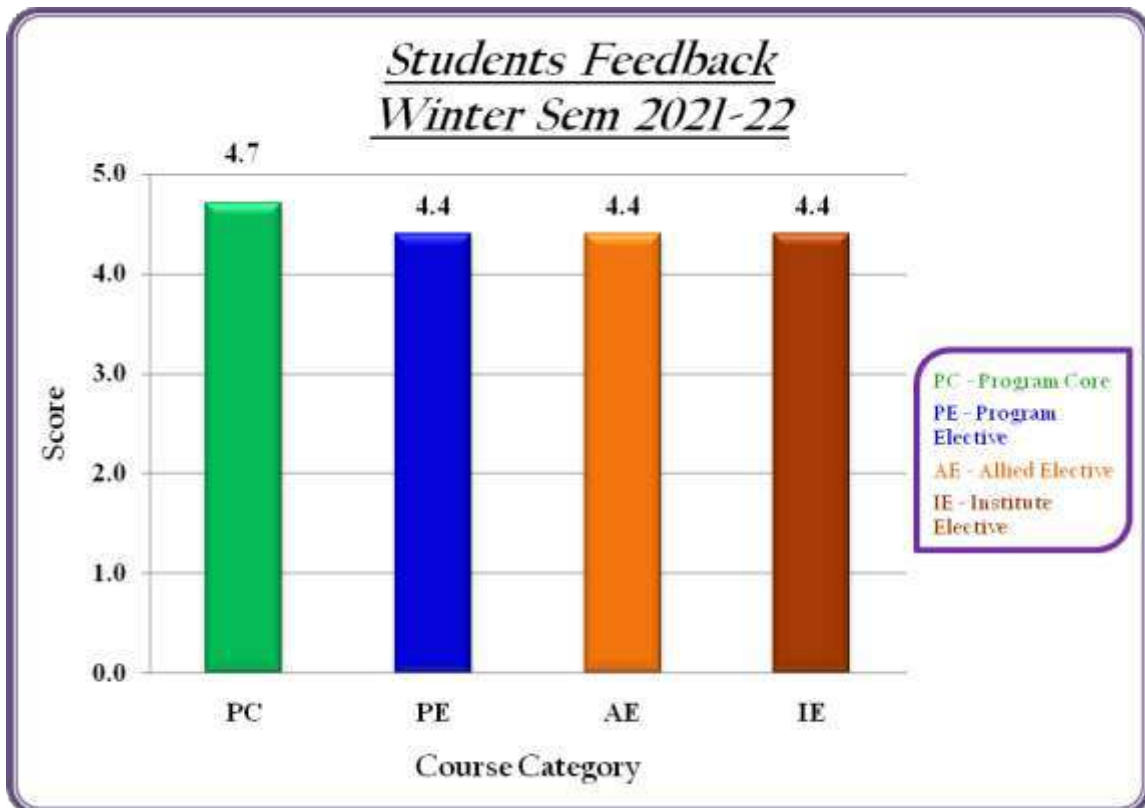
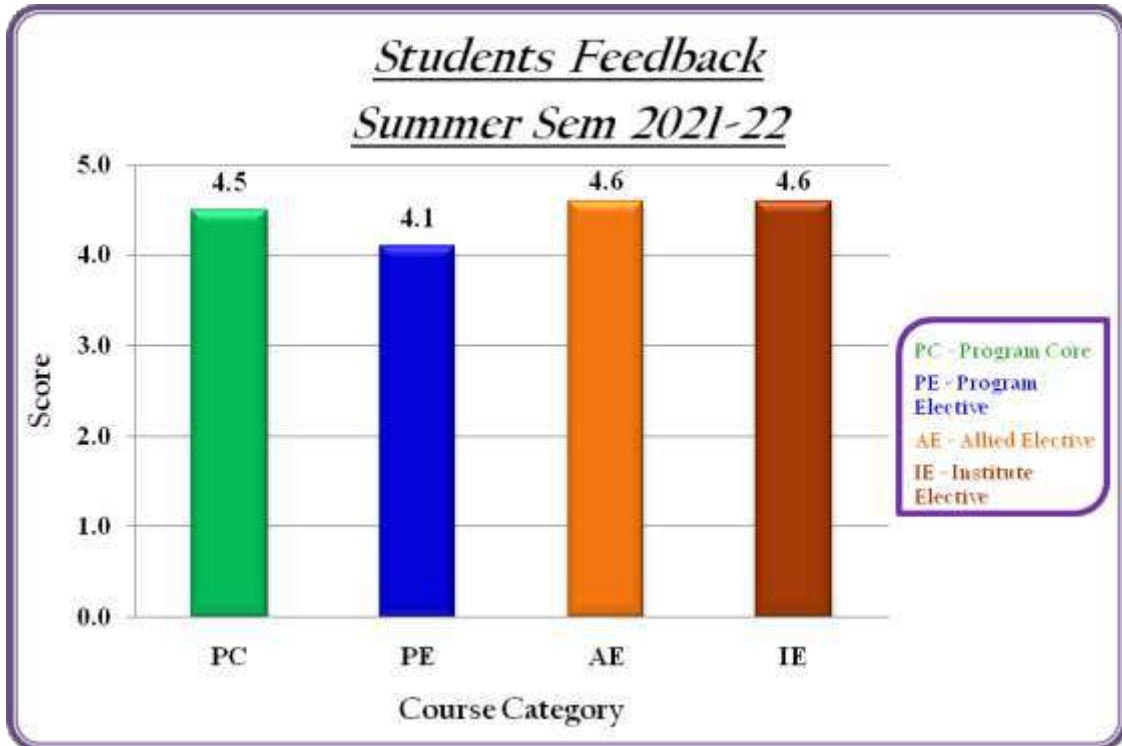
GRADUATION RATE



Graduation 2021-2022



STUDENTS SATISFACTION FEEDBACK



STUDENTS PLACEMENT



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



SALARY PACKAGE

MAXIMUM SALARY
8.4 LPA

AVERAGE SALARY
5.5 LPA

MINIMUM SALARY
3 LPA

PLACEMENTS & COUNTS

12 Capgemini	10 wipro	09 TCS	06 HCL	08 Mphasis	03 accenture	02 L&C	04 DXC TECHNOLOGY	
01 Hexaware	05 YAVA ELSSI	01 TEAM	02 OLA ELECTRIC	01 ad Admin	01 Donyati	02 CGI	01 P&G GLOBAL	
01 Finnsync	01 AVASOFT	04 LUNARIX	04 Statista	02 KINF	01 SIP	07 Cognizant	01 SKILL	
01 Realtek	01 MICROLAND	03 ZARA ONLINE	01 NTT DATA	01 EUROPUS	12 Kriti	01 netoon	04 SUTHERLAND	
01 TECH CONSULTANTS	01 ilenSys	02 SID	20 JIN SUNG	01 SPAN	01 FLDec	01 pwc	01 BLUEBINARIES	03 KIRIT



Batch 2018 - 2022

NO. OF STUDENTS	CTC
34 STUDENTS	≥ 3 LPA
5 STUDENTS	< 3 LPA

TOTAL	OPTED	PLACED
47	39	39

Triple offers - 1

Double offers - 6

Single offers - 32

2 Mu Sigma	2 HCL Technology	1 Capgemini	
2 Accenture	1 AdminDroid	7 Cognizant	
5 Tata Elxsi	4 Mphasis	1 DXC Technology	
1 Netcon	1 Skillvertex	3 Zelf Studie	
2 CGI	1 BlueBinaries	1 NTT DATA	
1 Span Technologies	1 AVASOFT	2 OLA Electric	
1 Pinnacle Info Tech	2 Sutherland	1 FLDEC Systems	
1 Wipro	1 PK Global	1 Donyati	
1 iLensys Technologies	1 Bio-WMS		



Bharath Lal
Bio-WMS
1.8 LPA



Bhargavi Priya
Cognizant
4 LPA



Chadrashekar
Skillvertex
6 LPA



Diangtihun Blah
Cognizant
4 LPA



Dineshkumar
Cognizant
4 LPA



Bhanuprasad Sutherland
2.5 LPA



Prethi
DXC
Technology
4 LPA



Ganesh Zelfstudie
3.6 LPA



Gopinath HCL
4.7 LPA



Jameela Banu Mphasis
4 LPA



Karthikeyan NTT data
3.5 LPA



Kasi Viswanath Capgemini
4 LPA



Logeswari Musigma
25 LPA



Lokeshwar Reddy Cognizant
4 LPA



Mallikarjuna Cognizant
4 LPA



Manish Netcon
4 LPA



Mohankumar Cognizant
4 LPA



Muneerbaba Admindroid
4.2 LPA



Poosala vamshi, HCL
4.7 LPA



Prabhakaran Fldec system
2 LPA



Ravishankar Mphasis
4 LPA



Rigden Rumba Tata elxsi
5.5 LPA



Saideepak Mphasis
4 LPA



Saikiran Zelstudie
3.6 LPA



Sanjay Bajjuri Cognizant
4 LPA



Senthilvel Bluebinaries
3.5 LPA



Sreemythili Zelstudie
3.6 LPA



Srikanth Accenture
4.5 LPA



Srisatya Vamsi, Mphasis
4 LPA



Subhasis Nayak CGI
3.5LPA



Suraj
Sutherland
2.5 LPA



Upendramamu
OLA Electric
3.3 LPA



Vinaykumar
Span
Technologies
3.4 LPA



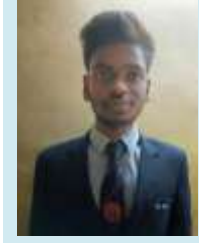
Munishwar
CGI
3.5LPA



Namburi
PLA electric
3.3 LPA



Pavan Kumar,
Pinnacle Info
Tech
2.5 LPA



Muralikrishna
Avasoft
3 LPA



Naveenkumar
Tata elxsi
5.5 LPA



Nagayaswanth
Musigma
25 LPA

HIGHER STUDIES

S.No	VTU No.	Name of the student	Degree & Programme Chosen (PG/Ph.D)	Name of the Institution for Higher Studies	Country
1	VTU10573	Rohith Yanamala	MSc in Advanced Computer Science	Swansea university	UK
2	VTU10915	C Venkatesh	International Graduate Program in Electrical and Computer Science	National Taipei university of technology(NTUT)	TAIWAN
3	VTU8743	S Umar Farook	International Graduate Program in Electrical and Computer Science	National Taipei university of technology(NTUT)	TAIWAN
4	VTU11069	Venkata Sai Thirumala Naidu Thumati	Information Technology, Master of Science Program,	University of Cincinnati	US
5	VTU9803	Adarsh Chaturvedi	M.Tech. VLSI	National Institute of Technology, Meghalaya	INDIA

Letter of Acceptance

Dear Venkatesh Choppa,

We are pleased to inform you that your application for admission to **International Graduate Program in Electrical Engineering and Computer Science (EECS)** 電資學院外國學生專班碩士班 as an international student at National Taipei University of Technology for Fall 2021 has been approved. The following information includes admission details:

Name: Venkatesh Choppa Birthday: 1999-05-19
Nationality: India Gender: Male
Admission Time: FALL 2021 Types of Degree Program: Master
Program: International Graduate Program in Electrical Engineering and Computer Science (EECS) 電資學院外國學生專班碩士班

Scholarship Award: Taipei Tech International Graduate Student Scholarship

Award Period: Fall 2021 & Spring 2022

Awards: 1. Tuition Waiver (around NT 130,000 waived in total)
2. Monthly Stipend (NT 6,000 per month; NT 72,000 in total)

*Campus facility fee, dorm fee, insurance fee, etc. are NOT included in tuition waiver.

*If you receive any Scholarship from any governments, you will be disqualified for Taipei Tech Scholarship.

Please read the following information carefully:

1. To validate your admission, please indicate your intent to enroll on online application system before deadline (**Jun. 14, 2021**).
2. This Letter of Acceptance serves as an official document for visa application, but it does NOT guarantee your visa acquisition.
3. The Enrollment Day for this intake is scheduled on **Sep. 9, 2021**; please proceed to visa application.
4. Admission Notice and Guide for New Student will be emailed to you by **Jul. 31, 2021**. Related information will be updated on the OIA website at the same time (<https://oia.ntu.edu.tw/>).
5. Kindly be reminded that you must present the **original copy of the verified degree** on Enrollment Day at Taipei Tech; otherwise your enrollment process will be deemed unfinished. Your diploma should be verified by a Taiwan Overseas Representative Office or Taiwan Embassy in or near the country where the document was issued.

Should you have any questions, please do not hesitate to contact us at intstudy@ntu.edu.tw

Sincerely,

Dr. Ho-Chiao Chuang
Dean of International Affairs
National Taipei University of Technology



10819 國立臺北科技大學第一館
No. 1, Sec. 3, Zhongguo E. Rd., Taipei 10800, Taiwan

TEL: (+886-2) 2771 2171
FAX: (+886-2) 2751 8145

www.ntu.edu.tw
www.intst.edu.tw



The Graduate School
University of Cincinnati
PO BOX 210627
Cincinnati, OH 45221-0627

Phone (513) 556-4335
Fax (513) 556-0128
Email gradinfo@uc.edu
Web grad.uc.edu

Dear Venkata Sai Tirumala Naidu Thumati,

Congratulations! It is my pleasure to inform you that you have been admitted into the Information Technology, Master of Science program in the College of Education, Criminal Justice, and Human Services for Fall 2022.

In order to accept or decline admission, you will need to complete the confirmation form now available on your status page.

International students must document financial support for all years of study to be issued a "Certificate of Eligibility" (Form I-20 or DS-2019) for a student visa. The total worth of financial award you may get can be counted as a source of financial support in the "Financial Certification Form" as funds from the University of Cincinnati. For information such as how to obtain an I-20, estimated expenses, and financial certification forms please go to:

<https://www.uc.edu/about/international/admissions/enroll.html>

Please consider that a prompt return of your documents is imperative to ensure that all documents required to process your visa application are present. Note that the visa application process can often take 90 days or more to complete.

There are some important conditions for your admission. They include:

1. Verification of your completed degree(s) by official transcript sent directly from your past institutions to: The Graduate School, The University of Cincinnati, P.O. Box 210627, Cincinnati, OH 45221-0627. Official transcripts should be received by The Graduate School prior to the start of your graduate degree program.
2. Attendance at Student Orientations, Tests and/or other Training, for which you will receive additional information separately.

The Information Technology, Master of Science program may have additional requirements and deadlines for your admission. Please direct any questions or concerns to your program of study. Any questions or concerns about the "Financial Certification Form" should be directed to UC International Services.

I look forward to your positive reply and welcoming you to an outstanding graduate student experience at the University of Cincinnati.

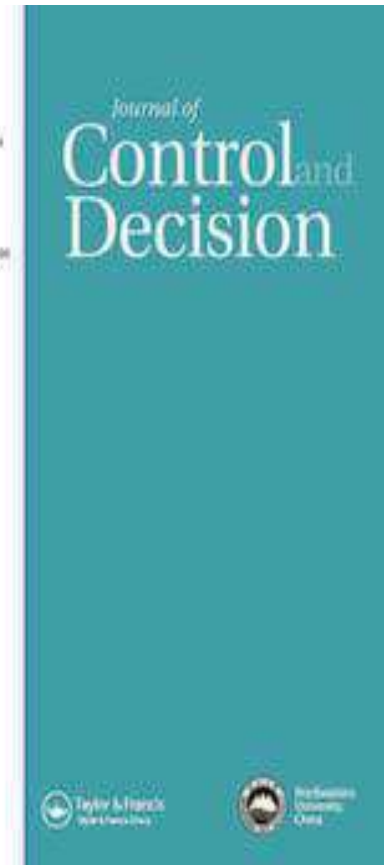
Chris Lewis
Interim Dean of the Graduate School
University of Cincinnati
2614 McMicken Circle
110 Van Wormer Hall
Cincinnati, Ohio 45221-0627
Visit the Graduate School website
Follow us on [Facebook](#) and [Twitter](#)

STUDENTS PUBLICATIONS

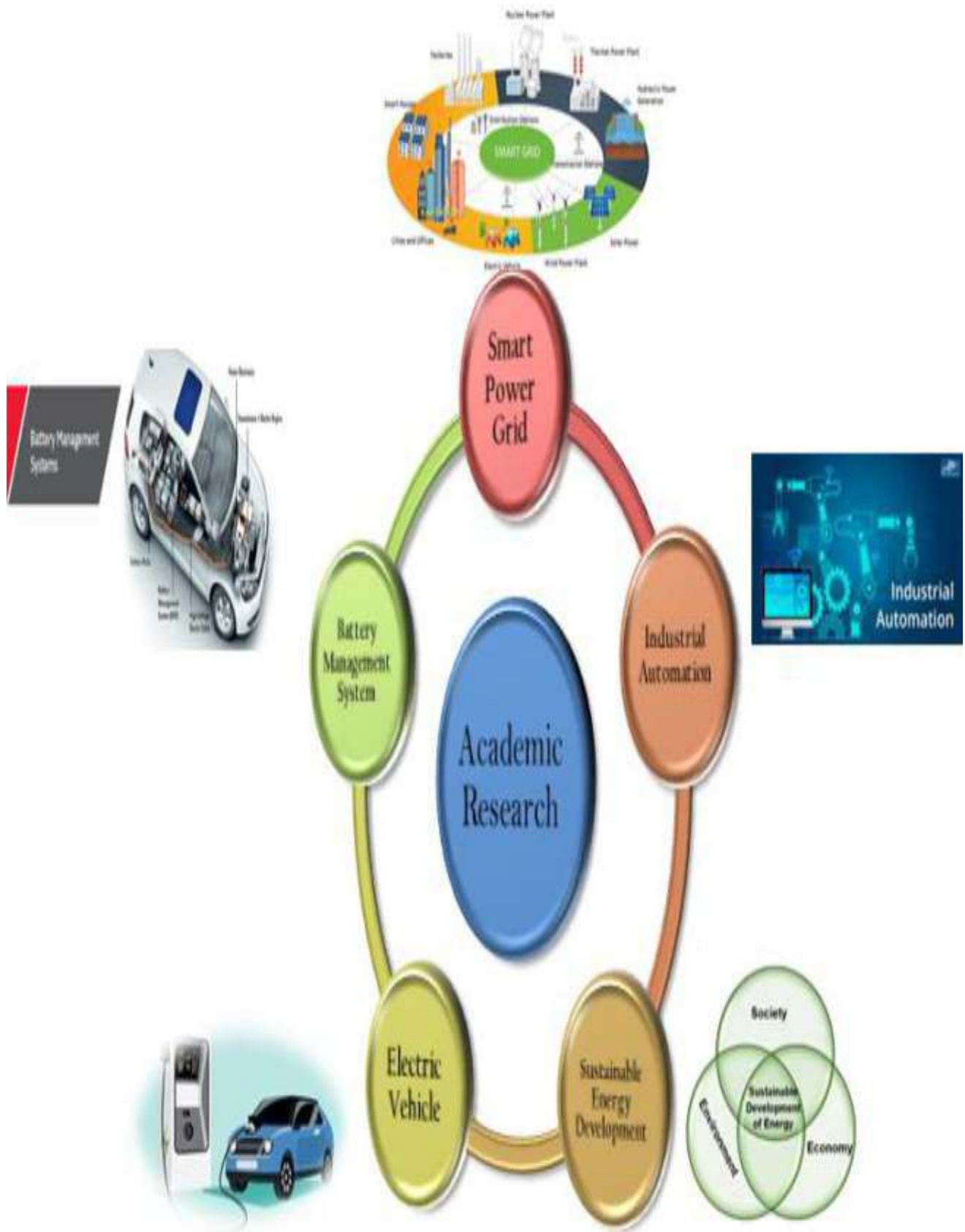
EEE students have published their research finding in the peer-reviewed journals and conferences indexed by Scopus / Web of Science.

S. No.	Student Name	Paper Title	Journal /Conference Name	Month / Year of Publishing
1	K. Aruna Rani	Investigations on Off-Grid Hybrid Renewable Energy Microgrid for Sustainable Development Growth	Journal of Circuits, Systems, and Computers	Dec-21
2	R. Obulupathy	Modelling of electric vehicle charging station and controlled by fuzzy logic controller with different modes of operation	Journal of Control and Decision	Apr-22
3	G. Rajasekhar Reddy	Enhancement of Power Quality with Fuzzy Based UPQC in Grid Integrated and Battery Assisted PV System	2021 2nd Global Conference for Advancement in Technology, GCAT 2021	Oct-21
4	G.Balasubramaniam	Variable Frequency Drive operated Air Blower in Air Handling Unit of Heating, Ventilation and Air Conditioning Systems	DELCON-2022	Feb-22
5	T.Prabhu	Design and Development of Single Switched Capacitor based Five Level Inverter for AC Motor Drive	ICDCECE 2022	Jun-22
6	K. Vijaya Bhaskar	An Improved Multi Objective Mayfly Algorithm for Solving Optimal Power Flow Problem Considering Different Loading Conditions	Journal of Circuits, Systems, and Computers	Jun-22
7	R.Divya	An Investigation on Performance Characteristics of Sealed Lead Acid Battery	ICSSIT 2022	Mar-22
8	A.Mutharasan	Fault detection and power quality analysis of wind turbine system using integrated systems	International Journal of Power Electronics and Drive Systems	Mar-22
9	T.Rameshkumar	Electrical and Mechanical Characteristics Assessment of Wind Turbine System Employing Acoustic Sensors and Matrix Converter	Sustainability	Apr-22

10	Thilak.K.R	Comparative Analysis and Performance Improvement of Modified Forced Convection Solar Dryer with Recirculation of Air	ICSSS2022	Apr-22
11	Vempalle Rafi	Optimal analysis of time varying load radial distribution system with photovoltaic and wind generating system using novel hybrid optimization technique	Renewable Energy Focus	Jun-22
12	Vempalle Rafi	Loss Minimization by Reorganization in Distribution Network using WOA Technique	6th International Conference on Trends in Electronics and Informatics (ICOEI)	May-22
	Vempalle Rafi	An intelligent optimization technique for performance improvement in radial distribution network	International Journal of Intelligent Unmanned Systems	Jun-22



RESEARCH AREAS



Ph.D. SCHOLARS

Details	In Current year	Ongoing	Total
No. of internal Faculty completed Ph.D	01	NA	01
No. of external Scholars completed Ph.D in our Dept. Research centre	04	NA	04
No. of recognized supervisors	01	07	08
No. of Internal Faculty registered Ph.D.	05	12	17
No. of external scholars registered for Ph.D	FT: 01 PT: 08	FT: 02 PT: 35	FT: 03 PT: 43

Ph.D AWARDED

S. No.	Supervisor Name	Candidate Name	Thesis Title	Month & Year of Passing
1	Dr.S.Baskar	A. Maheswary	Diagrammatic Cipher Encryption for MANETs	Jul - 2021
2	Dr.P.Chandrasekar	D. Venkata Ramana	Development of an Early Diagnosis System for External Faults on Three Phase Inverter Fed Induction Motor Drive	Aug - 2021
3	Dr.S.Baskar	S. Sivakumar	Design and Development of Smart Energy Management System using IoT with Cyber Security and GSM for Hybrid Power Generation	Sep - 2021
4	Dr.K.Karunanithi	R. Lakshmi	Investigations on Interleaved Forward DC to DC Converters	Jan - 2022
5	Dr.S.Baskar	Harish Pasupulati	Modelling and Diagnosis of Brain Tumour using Intelligent Techniques	Apr-2022

FUNDED R&D PROJECTS

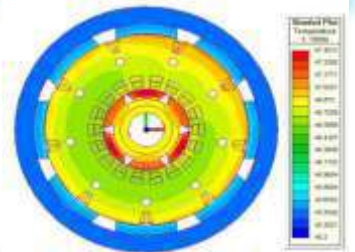
ONGOING FUNDED PROJECTS 2021-2022

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/-**



Equipments	Specification	Qty
Personal Computers	<ul style="list-style-type: none"> 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



R&D PROJECTS SUBMITTED

S. No	Title of the Proposal	Name of the Investigators	Funding Agency	Scheme	Amount (Rs.)
1	Fabrication and Practical Implementation of Bio Polymer Electrolyte based on Cellulose Acetate for Li-ion Battery	Dr.P.Chandrasekar (PI)	DST	EMEQ	31.07 Lakhs
2	AI Based Optimal Design and Fabrication of Dual Rotor Machine for Performance Enhancement of Electric Vehicle.	1.Dr.S.Ramesh (PI) 2. Dr.K.Karunanithi (Co-PI)	DST	SERB, SUPRA	36.09 Lakhs
3	Development of Standalone Hybrid Micro grid system considering EV charging station with different control strategies.	1. Dr.K.Karunanithi(PI) 2. Dr.S.Ramesh (Co-PI) 3. Dr.P.Chandrasekar (Co-PI)	DST	SERB, SUPRA	40.25 Lakhs

PATENTS

S. No	Faculty Name	Patent File No	Title	Date	Status
1	D.Manimegalai	349186-001	A Multi Array Solar Panel Structure for ON Grid	08.09.2021	Filed
2	S.Vinoth John Prakash, Dr.P.Chandrasekar, Mr.K.Bharathi	381296	A Modern Electronic Fire Extinguisher	05.11.2021	Granted
3	Dr.K.Vinoth	202141056601	Alternative Method of Recharging Option for Electric Two and Three-Wheeler.	10.12.2021.	Published
4	Dr. K. Karthikumar	202141060265A	Energy Efficient Smart Homes and Smart Grids with Novel IoT and Machine Learning Applications	31.12.2021	Published
5	P. Sathyanathan	202241013058	CU Regen For Electric Vehicle	10.03.2022	Filed
6	Dr.K.Karunanithi	202241013681	Design of Supercapacitors using Nano Electronics for Electrical Devices	25.03.2022	Published

7	R.Sreedhar	202211022528	Passivated Emitter Based Solar Cells for Increasing the Efficacy of Solar Energy Absorption	16.04.2022	Published
8	S.C.Vijayakumar	202241021306	Design of Bifacial Solar Panels for Efficient Utilisation of Solar Energy	22.04.2022	Published
9.	P. Sathyanathan	202241023528	IoT Based Smart Farming System to Predict Crop and Fertilizers based on Various Factors using Machine Learning Algorithms	21.04.2022	Filed
10	Dr.S.Sivakumar	202241006399A	Electric Power Distribution Employing Ensemble Machine Learning based Cyber-Physical System	25.02.2022	Published
11	Dr.S.Sivakumar	202141057894A	Atomic Power Plant Safety Monitoring System Employing IoT Integrated Hyper-Ledger Cloud Module	11.02.2022	Published
12	Dr.S.Sivakumar	202241022680	Vehicle Pole Shadow based Two Axis Solar Tracking Module Employing Image Processing and IoT	18.04.2022	Filed

CONSULTANCY

Faculty Name	Dr.P.K. Dhal
Consultancy Project Title	Design and Development of Firefly Lens based Solar Cell
Company Name	M/s Apzem India Engineering, Chennai-62
Total Cost	Rs 20,000/-
Year	2021

VIPs VISIT

S. No.	Name of The Experts	Dates
1	Dr. Srirama Srinivas, Professor, EEE, Indian Institute of Technology IIT-Madras.	26.02.2022
2	Mr. Nelson Daniel, Deputy Manager (Design), Hindustan Aeronautics Limited, Bengaluru.	26.02.2022

INDUSTRY INTERACTIONS



ALUMNI INTERACTIONS

S. No	Name of the Alumni	Batch	Interaction Date	Employer Name	Country
1	Mr. Kishore Sundarajan	2001	18-05-2022	Google	USA
2	Mr. A.Ranjith	2001	18-05-2022	Microsoft Inc.	Chennai
3	Mr. Pradeep Kumar	2018	12-03-2022	CRPF Trainee	India
4	Mr. Shrikant Singh	2020	09-04-2022	Hyundai	India



PARENTS – TEACHERS MEETING



Meeting held on 04.04.2022



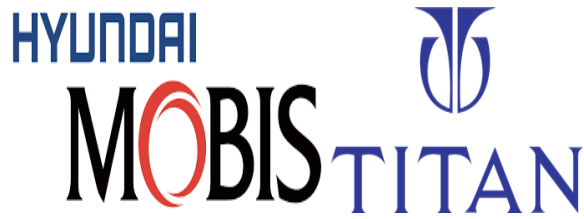
Meeting held on 02.06.2022

GROUP PHOTO



B.Tech EEE Batch 2018-2022

ALUMNI IN CENTRAL / STATE / PUBLIC / PRIVATE SECTORS



STUDENT TESTIMONIALS



Rishab Mahato – B.Tech – EEE VTU10520, Batch 2017-2021.

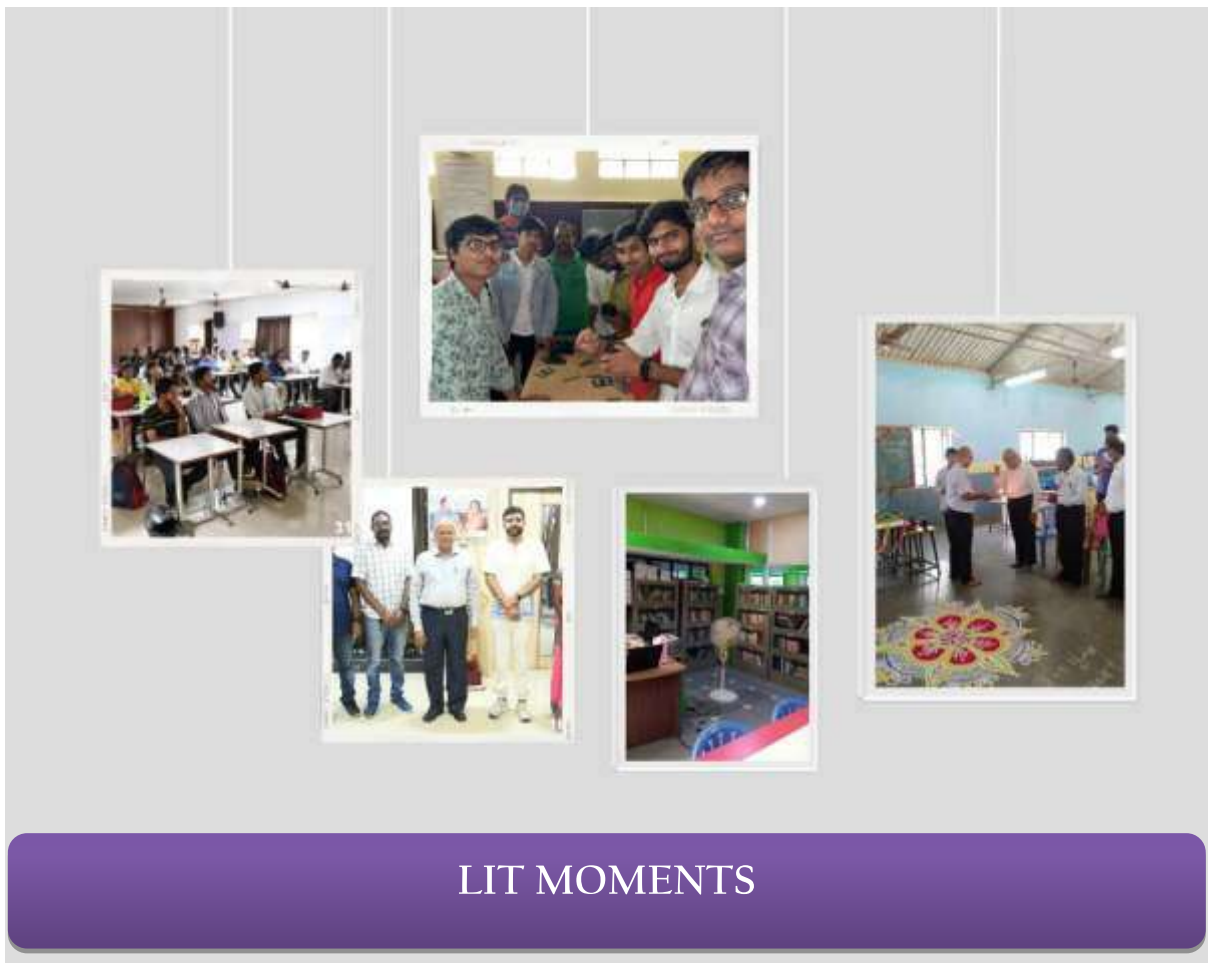
The best thing about my life in Vel Tech was being able to be myself and working in an environment that has allowed me to explore my interests and become more confident.

I am thankful to my department for supporting me and offering resources to enhance the new skills. I got placed in PricewaterhouseCoopers (PwC) Acceleration Centre, Bangalore as an Associate. Had a wonderful learning experience.



R. Venkata Jyotsna – M.Tech. Power Electronics, Batch 2019-2021 working at Robert Bosch, Coimbatore.

I think I've learned a lot more about the Power Electronics and its multidisciplinary applications. The people I met were amazing. Dedicated enthusiastic teachers focus on R&D with the fundamentals help me in my research even after 2 years. The prospective of product based approach to learning is commendable and helps in linking the domain gap between academia and industry.



LIT MOMENTS

EDITORIAL TEAM

Editor-in Chief

Dr. P. Chandrasekar, Professor & Head, EEE

Proof Reading

Dr. S. Ramesh, Professor, EEE

Dr. K. Karunanithi, Professor, EEE

Editing

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Mr.R.Sreedhar, Asst.Prof, EEE

Graphics Design

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Data Collection

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Dr.K.Vinoth, Asso.Prof, EEE

Mr.S.Vinoth John Prakash, Asst.Prof, EEE

Data Consolidation

Mr.S.Krishna Kumar, Asst.Prof, EEE

Dr.K.Karthikumar, Asso.Prof, EEE

Mrs.D.Manimegalai Asst.Prof, EEE
