



VSB COLLEGE OF ENGINEERING TECHNICAL CAMPUS

(Approved by AICTE and Affiliated to Anna University)

**NH-209, Coimbatore-Pollachi main road, Ealur Pirivu,
Solavampalayam(PO), Coimbatore – 642109, Tamil Nadu, INDIA**



Department of Electrical and Electronics Engineering

News Letter

(Academic Year: 2021-2022)




About the Department

The Department of Electrical and Electronics Engineering was established in the year 2012. It offers an UG Course namely B.E Electrical and Electronics Engineering with a Sanctioned intake of 60. The department is instituted with a vision to meet the world's sky-rocketing demand for electricity. It deals with the study and application of Electricity, Electronics and Electro Magnetism. These are the areas of development which have created wonders and are most important without which, the world will not move on. Students are given awareness in the area of control system which plays an important part in modern equipments which are automatically controlled. Students are also made to be aware of different types of fault analysis, stability analysis and corrective measures in power system. So we can say that Electrical and Electronics course provides a student with full knowledge of Electrical and Electronics field.





Vision

To become a forerunner in producing skilled graduates with strong foundation in Electrical and Electronics Engineering who can contribute proficiently for the betterment of the world.




Mission

-  **M1:** To provide excellent infrastructure and enriched curriculum to train and develop highly competent engineers with research aptitude
-  **M2:** To foster the skills of employability and entrepreneurship along with social responsibility among the students transforming them into intellectual professionals to support nation's growth
-  **M3:** To motivate the students in gaining knowledge about the modern technologies to meet the dynamic industrial needs supporting lifelong learning

Programme Educational Objectives

-  **PEO1** - Graduates will have sound knowledge in the core areas of Electrical and Electronics Engineering to analyze and propose solutions for day-to-day engineering problems faced by the society.
-  **PEO2** – Graduates will have necessary skills to do research and work as an entrepreneur with self-confidence in interdisciplinary fields of Engineering.
-  **PEO3** – Graduates will have managerial and interpersonal skills to work as an individual and as a team with continuous learning to boost their organization's growth.
-  **PEO4** – Graduates will have self-discipline, ethical values and social responsibility setting a good role model for future generations.

Programme Outcomes

-  **PO1.** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
-  **PO2.** 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.
-  **PO3.** 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.

-  **PO4.** 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.
-  **PO5.** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
-  **PO6.** 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.
-  **PO7.** 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.
-  **PO8.** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
-  **PO9.** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
-  **PO10.** 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.
-  **PO11.** 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.
-  **PO12.** 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.

About the Course

The Electrical and Electronics Engineering degree program prepares graduates to enter a dynamic and rapidly changing field with career opportunities in Electric power, Integrated circuits, Robotics and control, Computer hardware and software. The demand for Electrical Power is increasing rapidly and thereby Electrical Engineers are in great demand to meet the requirements.

Our campus is an exciting place to study and grow where thinkers become leaders, where there is a thirst for knowledge. The interaction between students and professors greatly enriches the educational

experience for all. Our campus provides students with opportunities to gain and use knowledge to build successful lives and career and become an integral part of the community. The department laboratories are well-equipped and commensurate with licensed software such as MATLAB and ETAP for solving analyzing power system problems. The department has adequate infrastructure to do research in Power Systems. Our faculty members are experts in the areas they teach. Not only do they provide a solid grounding in the academic theories and concepts of their specialty but they also provide challenges for the students, facing their discipline. They provide the students the right balance of theory and practice. We emphasize team work to give opportunity to each student to benefit from the ideas and intelligence of their classmates. We continue to strive to meet our mission to mould youth into world-class technocrats of tomorrow who would endeavor to increase the quality of life for mankind. I am confident that our students would be an asset to our organization with their technical and managerial capabilities. On the whole, we are committed towards creating and erecting a professional graduate community which is vivacious with continuous learning. Electrical and Electronics Engineers have career opportunities in Electrical power generation, Integrated circuits, Manufacturing of Robotics and control, Computer Hardware & Software, Manufacturing of Electrical & Electronics Equipment's, Electrical Energy saving equipment's, Non-conventional sources of energy conversion systems, etc.

Our Students Achievements in Results



II Year EEE

- 1. RENISHA – 8.74**
- 2. THENMOZHI – 8.7**
- 3. SHARWIN, GUNASEKAR, SEDHURAGHAVAN – 8.64**

III Year EEE

- 1. PAVITHRA SREE M – 9.12**
- 2. PRATHEEKSHA.P – 8.79**
- 3. BAVATHARANI. S – 8.61**

IV Year EEE

1. LOGAPRABHA. A – 8.8
2. AKILAN .M – 8.65
3. MALARVIZHI. R – 8.53

Number of students placed.(1.7.2021– 31.12.2021)

S.No	Name of the student	Year / Branch	Name of the company	Salary Package (in Lakhs)	Date
1	AKILAN M	IV EEE	DXC,CTS,WIPRO,TCS	4,00,000	Sep/Oct 2021
2	ANBARASU.S	IV EEE	MPHASIS	4,00,000	Sep/Oct 2021
3	GOKILA VANI.R	IV EEE	CTS,WIPRO	4,00,000	Sep/Oct 2021
4	GOKULA KRISHNAN M	IV EEE	MPHASIS	4,00,000	Sep/Oct 2021
5	HALEEL AHAMED .A	IV EEE	WIPRO,TCS	3,50,000	Sep/Oct 2021
6	LAKSHMIDEVI.P	IV EEE	MPHASIS	4,00,000	Sep/Oct 2021
7	LOGAPRABHA A	IV EEE	DXC,CTS,TCS	4,00,000	Sep/Oct 2021
8	LOKESHKUMAR. N	IV EEE	MPHASIS	4,00,000	Sep/Oct 2021
9	MALARVIZHI R	IV EEE	CTS	4,00,000	Sep/Oct 2021
10	MEDHA.P	IV EEE	DXC,CTS,CAPGEMINI, WIPRO,TCS	4,25,000	Sep/Oct 2021
11	MOHANAPRIYA. K	IV EEE	CTS,TCS	4,00,000	Sep/Oct 2021
12	NAREEN KUMAR M	IV EEE	CTS,CAPGEMINI	4,25,000	Sep/Oct 2021
13	RAJESHWARI R	IV EEE	MPHASIS	4,00,000	Sep/Oct 2021
14	RAMA DEVI P	IV EEE	MPHASIS	4,00,000	Sep/Oct 2021
15	SANGEETH J	IV EEE	MPHASIS	4,00,000	Sep/Oct 2021

16	SANTHOSH D	IV EEE	DXC,CTS	4,00,000	Sep/Oct 2021
17	MANIKANDAN P	IV EEE	MINDTREE	4,00,000	Sep/Oct 2021

***Number of students gone for higher studies.(Academic Year
2021-22)***

S.No	Name of the student	2020 passed out Batch / Previous Batch	Name of the PG course joined	Name of the College
1	Elayabarathi	2021 passed out	Power System Engineering	VSB Engineering College, Karur
2	Gopinath	2021 passed out	Power System Engineering	VSB Engineering College, Karur
3	Sruthi	2021 passed out	Power System Engineering	VSB Engineering College, Karur
4	Kowsalya	2021 passed out	Power System Engineering	VSB Engineering College, Karur
5	Pavithra	2021 passed out	Power System Engineering	VSB Engineering College, Karur
6	Karthik	2021 passed out	Applied Electronics	VSB Engineering College, Karur
7	Yohavarthini	2021 passed out	Power System Engineering	VSB Engineering College, Karur
8	Maheswari	2021 passed out	Power System Engineering	VSB Engineering College, Karur
9	Sneha	2021 passed out	Power System Engineering	VSB Engineering College, Karur

State level/ National/International Level programmes& events participated/Attended/ and/or won prizes by students in Project contests, Innovation contests, Quiz/Technical events/ Tech Fest / etc., (including online programmes)

S.No	Name of the student	Year / Branch	Name of the event	Period (From & To) / Date
1	Gayathiri	IV EEE	National Level Quiz Competition at Kongu Engineering College	September 2021
2	Ramachandran	IV EEE	National Level Quiz Competition at Kongu Engineering College	September 2021

Patents filed, published by faculty members.

S.No	Name of the faculty	Title of the patent	Patent Application Number	Patent filed on	Patent Publication date
2	Sreevidya.L	Industrial Tools Sterilization System		17.06.2021	Patent Filled
3	T.Sivaranjani	Industrial Tools Sterilization System		17.06.2021	Patent Filled
4	Dr.M.Varatharaj	A LATCHING MECHANISM FOR SOLENOID VALVE AND A METHOD TO OPERATE THE SAME	202141025204 A	07/06/2021	18/06/2021
5	T.Sivaranjani Dr K P Parthiban	Virtual Instrumentation based automatic fabric defect detection system for	202141053821 A	01/01/2019	10/12/2021

		textile industries			
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Industry interaction - MoUs/ Industry supported lab

S.No	Name of the faculty	Name of the Company	Details/ Year
1	Dr.S.Muthu Vijaya Pandian	M/s. SRG Control System, Coimbatore	November 2021

Technical papers published by staff members in National and International Journals and National Conference / International Conference.(Including online Journals).

S.No	Name of the Authors	Title of the paper	National Journal / International Journal / National Conference / International Conference	Details of the publication, Vol., Page Nos, Year
1.	Mrs. Sreevidya.L	An Efficient Waste Management Technique with IoT based Smart Garbage System	Elsevier Material Today Proceeding	ISSN: 2214-7853
2.	Mrs. Sreevidya.L	Automatic Mesaging System by detecting the Road Accidents for Vehicle Applications	Elsevier Material Today Proceeding	ISSN: 2214-7853
3.	Dr.V.Vanitha	Congestion management in deregulated power system using Heuristic optimization algorithm	Journal of Intelligent & Fuzzy systems	Not yet received
4.	Mrs.L.Sreevidhya	Multidisciplinary Approach for Relevance of AI in Cardiovascular Medicine and its Implication in		Not yet received

Number of books and book chapters published by staff members.

S.No	Name of the Authors	Title of the Book / Book Chapter	Publisher name	Details of the publication, Vol., Page Nos, Year
2	DR.S.MUTHU VIJAYA PANDIAN,	An Introduction to PLC & SCADA	Notion Press	September 2021

Name of the FDP/STTP/Online certification courses/ Online Interview attended by faculty members (including online courses). – Pantech, NPTEL, etc.,

S.No	Name of the Faculty member	Branch	Name of the course	Name of the organization conducted the programme	Period (From & To) / Date
1	Dr.S.Muthu Vijaya Pandian	EEE	Design and recent Development in Renewable Energy based Microgrid System	National Institute of Technology-Mizoram	25.10.21-29.10.21
2	Dr.V.Vanitha	EEE	Renewable Energy Integration using AI and Bigdata Analytics	P.A College of Engineering and Technology	15.11.21 - 19.11.21
3	Dr.S.Muthu Vijaya Pandian	EEE	Research Perspectives: Renewable Energy in Electric Vehicle Charging	Sri Ramakrishna Institute of Technology	22.11.21-26.11.21
4	Dr.S.Muthu Vijaya Pandian	EEE	Magnetic Levitation System	National Institute of Technology-Mizoram	27.9.21-1.10.21
5	Mrs.Arunadevi.K	EEE	Magnetic Levitation	National Institute of	27.9.21-

			System	Technology-Mizoram	1.10.21
6	Mrs.Arunadevi.K	EEE	Emerging Trends and Development in Electric Vehicles	National Institute of Technology-Manipur	25.10.21-29.10.21
7	Dr.K.P.Parthiban	EEE	Faculty Development Programme on Energy Storage-Science and Technology	Motilal Nehru National Institute of Technology, Allahabad	20.9.21-24.9.21
8	Mrs.L.Sreevidya	EEE	Formal Modelling, Control and Real Time Implementation of Cyber physical system	VSB Engineering college ,Karur	19.10.20-2.11.20
9	Mr.D.Velmurugan	EEE	Teaching Learning and Research Pedagogy f or Intelligence in Education	St.Joseph College,Chennai	20.9.21-24.9.21
10	Dr G.Banu	EEE	Electric Vehicle: Challenges in Charging and their impact on Power Grid	College of Engineering, Thalassery	6.9.21-10.9.21
11	Dr V.Vanitha	EEE	Electric Vehicle: Challenges in Charging and their impact on Power Grid	College of Engineering, Thalassery	6.9.21-10.9.21
12	Dr V.Vanitha	EEE	Advance Robotics and Control	UIT,RGPV, University Bhopal	24.8.21-28.8.21
13	Dr K.P.Parthiban	EEE	Energy Engineering	Mizoram University	23.8.21-27.8.21
14	Mrs.Arunadevi.K	EEE	Embedded System-An Application Driven Approach	ATAL Academy,ST. MicroElectronics and ARM Education	25.8.21-27.8.21
15	Mr.D.Velmurugan	EEE	Embedded System-An Application Driven Approach	ATAL Academy,ST.MicroElectronics and ARM Education	25.8.21-27.8.21
16	Mr.D.Velmurugan	EEE	NEP-2020	Nehru Institute of Engineering and Technology	26.8.21-27.8.21
17	Dr V.Vanitha	EEE	Data Analysis using SPSS AMOS and R	MVGR	30.8.21-4.9.21

18	Mr.D.Velmurugan	EEE	Recent Advances in Control system-2021	Madan Mohan Malaviya University of Technology Gorakhpur	18.10.21-22.10.21
19	Dr G.Banu	EEE	Learning Through Virtual Labs for technical Education Institution	NIT, Karnataka	18.10.21-22.10.21
20	Dr S.Muthu Vijaya Pandian	EEE	FDP in Entrepreneurship	Entrepreneurship Development Institute of India	20.9.21-24.9.21
21	Dr G.Banu	EEE	Research Tools and Methodologies	Lendi Institute of Engineering and Technology, Vizianagaram	27.9.21-1.10.21
21	Dr S.Muthu Vijaya Pandian	EEE	Emerging Optimization Techniques for Engineering Application	Rajarambabu Institute of Technology, Kolhapur	27.9.21-1.10.21
22	Gokila vani.R	EEE	Unleash Your Creative Mind	(Udey online certificate completion)	12.12.21
23	K.Parthiban	EEE	AICTE Training and Learning(ATAL)Academy	Nelson Mandela Marg,Vasant Kunj,New Delhi-110070	27.8.21
24	S.Muthu Vijaya Pandian	EEE	AICTE Training and Learning(ATAL)Academy	Nelson Mandela Marg,Vasant Kunj,New Delhi-110070	29.10.21
25	Dr.V.VANITHA	EEE	Data Analysis Using SPSS AMOS	VSB COLLEGE OF ENGINEERING TECHNICAL CAMPUS COIMBATORE	4.09.2021
26	Mr D VELMURGAN	EEE	AICTE Training and Learning(ATAL)Academy	Nelson Mandela Marg,Vasant Kunj,New Delhi-110070	22.10.21
27	Dr.G.BANU	EEE	LEARNING THROUGH VIRTUAL LABS FOR TECHNICAL INSTITUTIONS	VSB COLLEGE OF ENGINEERING TECHNICAL CAMPUS	22.10.21
28	Dr.G.BANU	EEE	RESEARCH TOOLS&METHODOLOGIES	VSB COLLEGE OF ENGINEERING TECHNICAL CAMPUS	27.9.21
29	S.Muthu vijaya Pandian	EEE	AICTE Training and Learning(ATAL)Academy	Nelson Mandela Marg,Vasant Kunj,New Delhi-110070	24.9.21
30	Dr V.Vanitha	EEE	AICTE Training and Learning(ATAL)Academy	Nelson Mandela Marg,Vasant Kunj,New Delhi-110070	19.11.21

31	Dr.S.MUTHU VIJAYA PANDIAN	EEE	SHORT TIME TRAINING PROGRAM(STTP) EMERGING OPTIMATIZATION TECHNIQUES FOR ENGINEERING APPLICATIONS	RAJARAMBAPU INSTITUTE OF TECHNOLOGY, RAJARAMNAGAR	01.10.2021
32	Dr V.Vanitha	EEE	AICTE Traning and Learning(ATAL)Academy	Nelson Mandela Marg,Vasant Kunj,New Delhi-110070	28.8.21
33	K.Parthiban	EEE	AICTE Traning and Learning(ATAL)Academy	Nelson Mandela Marg,Vasant Kunj,New Delhi-110070	27.8.21

***Name of the add on course / online certificate courses/value
added courses attended by students (including online courses).
– Pantechsolutions,NPTEL, etc.,***

Sl.No	Name of the student	Branch	Name of the course	Name of the organization conducted the programme	Period (From & To) / Date
1.	Medha	IV EEE	BECOME A GOOD MAT LAB PROGRAMMER IN 30 DAYS	(Udemy Online Certificate Of Company)	21.12.2021
2.	Gayathri.M	IV EEE	CSS3 AND BOOTSTRAP FOR ABSOLUTE BEGINNER:4 COURSES IN1	(Udemy Online Certificate Of Company)	5.12.21
3.	Gokila vani.R	IV EEE	SQL-THE Complete Introduction to SQL programming	(Udemy Online Certificate Of Company)	5.12.21
4.	Rajeshwari.R	IV EEE	Artificial Intelligence In Web Design (Special Edition)	(Udemy Online Certificate Of Company)	12.12.21
5.	Rama devi.P	IV EEE	Python And Django Framework For Beginners Complete	(Udemy online certificate completion)	12.12.21

			Course		
6.	Gayathri.M	IV EEE	CSS3 AND BOOTSTRAP FOR ABSOLUTE BEGINNER:4 COURSES IN1	(Udemy Online Certificate Of Company)	5.12.21
7.	Gokila vani.R	IV EEE	SQL-THE Complete Introduction to SQL programming	(Udemy Online Certificate Of Company)	5.12.21
8.	Rajeshwari.R	IV EEE	Artificial Intelligence In Web Design (Special Edition)	(Udemy Online Certificate Of Company)	12.12.21
9.	Rama devi.P	IV EEE	Python And Django Framework For Beginners Complete Course	(Udemy online certificate completion)	12.12.21
10.	VIJAYA KANISHKA P M	III YEAR	30 DAYS MASTER CLASS ON MATLAB SIMULATION	PANTECH	23.11.2021-22.12.2021

***Internship attended by students. (Including online programmes)
– Pantech solutions, NPTEL,etc.,***

S.No	Name of the student	Year / Branch	Name of the company	Period (From & To) / Date
1	AKILAN	IV EEE	GUGAN ENGINEERING	01.11.2021-3.12.2021
2	NAREEN KUMAR	IV EEE	GUGAN ENGINEERING	01.11.2021-3.12.2021
3	LOKESH KUMAR	IV EEE	GUGAN ENGINEERING	01.11.2021-3.12.2021
4	GOKULA KRISHNAN	IV EEE	GUGAN ENGINEERING	01.11.2021-3.12.2021

Teachers are people who start things they never see finished, and for which they never get thanks until it is too late.

— Max Forman

Thank You