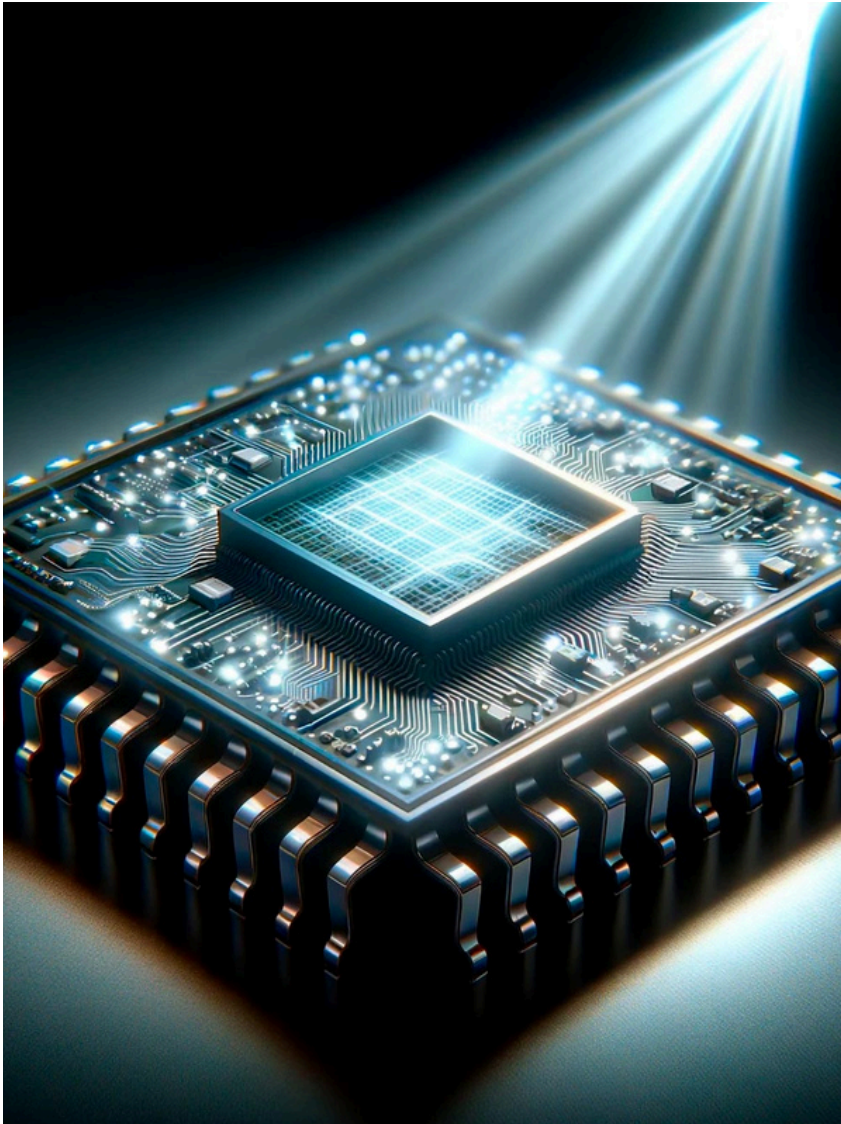


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



NEWSLETTER
2024 – 2025
EMINENCE 2K25
VOLUME – I ISSUE – I

VISION

To Produce Innovative, Creative, Ethical and Socially responsible Electronics and Communication women engineers to meet the global Challenges

MISSION

- To Create a unique learning environment in Electronics and Communication Engineering to mould a strong engineer with professional ethics.
- To Provide practical exposure to compete in the global market.
- Fostering culture of Innovation, research and lifelong learning.

ABOUT THE INSTITUTION

Vivekanandha college of Engineering for women (VCEW) is autonomous; self-nancing engineering college approved by AICTE and affiliated to Anna University. VCEW was founded by a Philanthropist Prof. Dr. M. Karunanithi, B.Pharm., M.S., Ph.D., D.Litt., in the year 2001 with the vision of providing technical education for rural women. It is accredited by NBA Tier I (CSE, EEE, BT & IT), NAAC, and Tata Consultancy Service (TCS). The Institution is marching towards excellence under the able guidance of Prof. S. Kuppaswamy, B.E., M.Sc(Engg)., Dr.Ing(France)., a well-known academician in the field of technical education for the past four decades.



VIVEKANANDHA
COLLEGE OF ENGINEERING FOR WOMEN
(Autonomous)

PRINCIPAL'S MESSAGE



Education is not the preparation for life; Education is life itself

I sanctify this prospect with delightful welcome on behalf of Vivekanandha College of Engineering for Women, to explore the multidimensional facets of our Institution. It's an endeavor to exchange the information on our best practices, achievements & deeds with the academic fraternity and it ensures our women students have empowered as per the standards of globalization. VCEW has made all efforts towards the core areas of excellence in Engineering and Technology along with facilitating research efforts.

Our vision is to make innovation as the basic theme of engineering education and the synergic effort will make our students globally competitive with full potentiality of women empowerment exclusively and make self dependant and competent to the global challenges. We strongly believe the quality education which will make our students transform themselves into a knowledge puddle for the development of our country. Our strengths are best evidenced by state-of-the art infrastructure, high quality students and well qualified faculty. A woman is the full circle, where the power is to create, nurture and transform... It is been preserving the excellence as a continuous process and in pursuit of which the institute has made deep forays into contributing world renowned women technocrats, successful women entrepreneurs, competent women leaders, innovative women scientists and researchers. I look forward to welcoming you to Vivekanandha College of Engineering for Women for experiencing real Women Empowerment.

HOD'S MESSAGE

It gives me immense pleasure to present this edition of our department newsletter, which reflects the academic, co-curricular, and extracurricular achievements of our students and faculty members.

The newsletter serves as a platform to showcase the vibrant learning environment of our department and highlight the dedication of our team towards excellence in education, research, and professional development.

As we move towards continuous quality improvement, our department is committed to nurturing competent professionals with strong ethical values and social responsibility.

I take this opportunity to congratulate all the contributors and editorial team members for their sincere efforts in bringing out this newsletter. I am confident that it will inspire our students to aim higher and achieve greater milestones in their academic and professional journey.





VISION

To impart value based education in Engineering and Technology to empower young women to meet the societal exigency with a global outlook.

MISSION

- To provide holistic education through innovative teaching learning practices
- To instill self confidence among rural students by supplementing with co-curricular and extra-curricular activities
- To inculcate the spirit of innovation through training, research and development
- To provide industrial exposure to meet the global challenges
- To create an environment for continual progress through lifelong learning.

ABOUT THE DEPARTMENT

Welcome to the Department of Electronics and Communication Engineering

- The Department of ECE was established in the 2001.
- Electronics and Communication Engineering, electronic circuits, VLSI, Control systems and computer architecture are the key sources to accomplish our new innovations in day by day.
- It also gives great opportunities for research and development, as everyday consumer need new devices to support them in daily life.
- All electronic devices need software interface to run and control over the functionality, which can be developed by Electronics and Communication Engineering.
- Electronics and Communication Engineering Course given enormous job opportunities in electronics and software companies.
- In the academic year 2010-2011, our department initiated P.G course M.E. Applied Electronics; M.E. VLSI Design in the academic year 2011-2012.
- It Covers practically all sub disciplines under Electronics and Communication Engineering.

Program Outcomes

PO 1. Engineering Knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 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.

PO 3. Design/Development 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.

PO 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.

PO 5. Modern tool usage:

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO 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.

PO 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

PO 8. Ethics:

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO 9. Individual and team work:

Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 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.

PO 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.

PO 12. Lifelong 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

The Graduates will be able to

PSO 1:

Comprehend the basic concepts of electronics and communication and apply in the day to day life to design and execute complete engineering systems.

PSO 2:

Design, verify and validate electronic functional elements for numerous applications including signal processing, communications, computer networks and VLSI.

PSO 3:

Demonstrate the intellectual level with peer engineers and others to work together to arrive at a cost-effective, appropriate solution for various problems.

Program Educational Objectives

The Electronics and Communication Engineering Graduates should be able to

PEO 1:

To offer strong theoretical and practical knowledge with managerial skills and entrepreneurial competencies.

PEO 2:

To impart analytic and questioning skills to broaden innovative ideas for Research and Development based on Industry requirements.

PEO 3:

To achieve a high level technical expertise in Electronics and Communication Engineering and inculcate professional ethics and social concern

EDITORIAL BOARD

Dr.P.T.KALAIVAANI, HOD/ECE

Mrs.R.BRINDHA, AP/ECE

Ms.J.SARANYA, AP/ECE

STUDENT EDITORIAL BOARD

MUGAMBIGAI.J (III- ECE)

HARSHANA.H (II- ECE)

ASSOCIATION ACTIVITIES

GUEST LECTURES/SPECIAL LECTURE ARRANGED

S.No	DATE	TITLE OF THE PROGRAM	RESOURCE PERSON	STUDENTS/ FACULTY ATTENDED	ORGANIZED FACULTY	ORGANIZED BY
1	6.9.2024	Guest Lecture on “Advances in optical Communication”	Dr.K.Prabhu, Assistant Professor ECE-NIT Surathkal, Karnataka	IV ECE	Dr.V.M,Senthil Kumar	VCEW
2	6.9.2024	Guest Lecture on “Smart Wearable Technology”	Dr.T.Jayashankar, Assistant Professor(SG)/ECE, Anna University, Tiruchirapalli.	III ECE	Dr.V.M,Senthil Kumar	VCEW

SEMINAR/WEBINAR ORGANIZED BY THE FACULTY

S.NO.	DATE	TITLE OF THE PROGRAM	RESOURCE PERSON	STUDENTS/ ATTENDED	ORGANIZED FACULTY	ORGANIZED BY
1	5.9.2024	seminar on “Semi- conductors in Industry 5.0”	Dr.V.Thiyagu, Managing Director, India Infotech pvt limited.	III ECE	J.Saranya	VCEW
2	12.9.24	seminar on “Embedded systems and Innovation across Industries”	Er.V.SasiKumar, Managing Director, Mikrosun Technology.	III CST	Dr.R.Kavitha	VCEW
3	7.11.24	seminar on “ Importance of PCB in the semiconductor Industries”	Ms.R.RajaSundari, Founder and CEO, TraceTech PCB, California	ECE STUDENTS	Dr.V.M.Senthil Kumar	VCEW


1. Christmas and New Year Celebration-2025 on 31.12.2024.



Department of Electronics and Communication Engineering
“Christmas and New Year Celebration”
was conducted on 31.12.2024 at 2.00P.M.




2. "Association Inauguration -EMINENCE-2k24-25"




VIVEKANANDHA

COLLEGE OF ENGINEERING FOR WOMEN

[Autonomous]



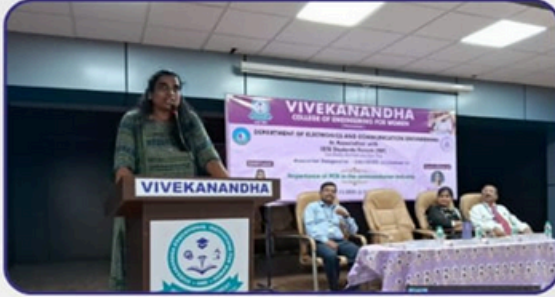






Prof. Dr. M. Karunanithi,
CHAIRMAN & SECRETARY



Department of Electronics and Communication Engineering In Association with IETE Students Forum (ISF)

Association Inauguration - EMINENCE and Seminar on Importance of PCB in the Semiconductor Industry - 7.11.2024



www.vcengg.ac.in  /vcw2001

Department of Electronics and Communication Engineering "Association Inauguration-"EMINENCE-2k24-25" ECE Students Ms.R.Raja Sundari Founder and CEO, Trace Tech PCB, California was conducted on 07.11.2024 at 2.00 PM.

3. 'Fresher's Day' on 21.09.2024



VIVEKANANDHA
COLLEGE OF ENGINEERING FOR WOMEN
[Autonomous]

Prof. Dr. M. Karunani
CHAIRMAN & SECRETARY

Department of Electronics and Communication Engineering

A++
NAAC

Logos: UGC, AICTE, NBA, IEEE, PALS, NIRF, ISO 9001, ISO 14001

Fresher's Day - 21.09.24



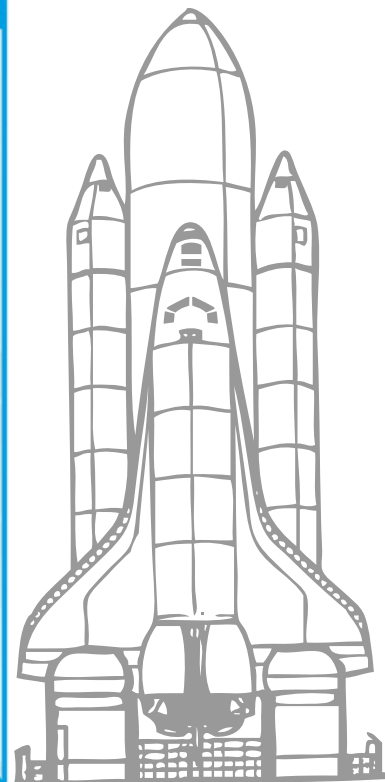
Department of Electronics and Communication Engineering “Fresher’s Day ” by all ECE Students was conducted ” on 21.09.2024 at 2.00 to 04.00 PM.

4. “Seminar on How to prepare smart Hackathon Presentation” on Date: 21.09.2024



Department of Electronics and Communication Engineering “Seminar on How to prepare smart Hackathon Presentation” All ECE Students on 21.09.2024.

5. “National Space Day” on 23.08.2024



Department of Electronics and Communication Engineering “National Space Day” on 23.08.2024 All ECE Students by “Prof. V. Anto,” Nethaji Bose Defence Academy, Coimbatore. was conducted on 23.08.2024.

7. Seminar on “Semiconductors in Industry 5.0” on 05.09.2024



Department of Electronics and Communication Engineering
“Seminar On Semiconductors in Industry 5.0” III Year ECE students
by Dr.V.Thiyagu, Managing Director India Infotech Pvt Ltd Namakkal
was conducted on 05.09.2024 at 1.30.P.M-4.00P.M



Elaiyampalayam, Tamil Nadu, India
9W5V+3H5, Elaiyampalayam, Tamil Nadu 637205, India
Lat 11.357533°
Long 77.943541°
05/09/24 02:08 PM GMT +05:30

8. Seminar on “Importance of PCB in the semiconductor Industry” on 07.11.2024



VIVEKANANDHA

COLLEGE OF ENGINEERING FOR WOMEN

[Autonomous]



Prof. Dr. M. Karunanithi,
CHAIRMAN & SECRETARY



Department of Electronics and Communication Engineering In Association with IETE Students Forum (ISF)

Association Inauguration - EMINENCE and Seminar on Importance of PCB in the Semiconductor Industry - 7.11.2024



www.vcengg.ac.in  /vcw2001

Department of Electronics and Communication Engineering Seminar on “Importance of PCB in the semiconductor Industry” all ECE students by Ms.R.Raja Sundari” Founder and CEO, TraceTech PCB, California Was conducted on on 07.11.2024 at 2.00.P.M.

9. Guest Lecture on “Smart Wearable Technology” on 06.09.2024



Department of Electronics and Communication Engineering Guest Lecture on “Smart Wearable Technology” III ECE students by Dr.T.Jayasankar, Asst. professor(SG)/EC Anna University Tiruchirapalli. Was conducted on 06.09.2024 at 3.00P.M-4.00P.M

List of Faculty Development Program/Seminar/ Workshops attended by the Faculty details for AY 2024-25

S.No	Faculty Name	Event Type	Title of Event	Event Place	No of Days	From date-To date
1	Dr.S.Kokila	FDP	Micro soft Azure AI Engineer Associate	Vivekanandha College of Engineering for Women (Autonomous)	5 days	22.07.2024 to 26.07.2024
2	B.Sakthivel	Professional Development Programme	Data Communication and Networking	NITTTR	20 Hrs	29.07.2024 to 02.08.2024
3	M.Ramesh	FDP	Harnessing Digital Healthcare Technologies: Biomarkers, IoT , Date Analytics and AI in Precision Medicine	Knowledge Institute of Technology	12 Days	05.08.2024 to 17.08.2024
4	K.Rajasekar	FDP	Progress in Mechanical Engineering	SRM Institute of Science and Technology, Chennai	6 Days	14.10.2024to 19.10.2024
5	R.S.Mathubala	FDP	One Day Faculty Development programme	CIIWN Salem	1 Day	19.10.2024
6	M.Ramesh	Online Workshop	Connect, Simulate and Innovate using Arduino on Cloud	IIT Bombay	1 Day	28.11.2024
7	M.Ramesh	IGENENSAVCUB Program	IGEN ENSAVCLUB ORGAIN SARAWAR D	St.Xavier's Catholic College of Engineering, Nagarcoil	1 day	22.11.2024
8	M.Ramesh	FDP	Green Energy and E-Mobility for Sustainable Environment	Vivekanandha College of Engineering for Women	12 Days	02.12.2024 to 14.12.2024

List of Faculty Development Program/Seminar/ Workshops attended by the Faculty details for AY 2024-25

S.No	Faculty Name	Event Type	Title of Event	Event Place	No of Days	From date-To date
9	P.Nagarajan	FDP	Green Energy and E-Mobility for Sustainable Environment	Vivekanandha College of Engineering for Women	12 Days	02.12.2024 to 14.12.2024
10	G.Rajeswari	Online Course	Internet of Things	ISTE	45 Hours	22.012.2024 to 08.02.2025
11	K.Rajasekar	FDP	The Future of Quantum Computing and High performance computing	P.S.V College of Engineering and Technology	6 Days	23.12.2024 to 28.12.2024
12	T.Vinotha	FDP	Research Methology	IIT Madras	8 weeks	Jul-Sep 2024
13	K.Rajasekar	NPTEL-FDP	Advanced Machining Process	IIT Madras	8 weeks	Aug-Oct2024
14	Dr.P.T.Kalaivaani	UKIRI program	Women in Space leadership Programme	Department of DST& Coventry University	-	-
15	R.Umamaheshwari	IIT IT Skills Course Test	Spoken Tutorial IIT Bombay-Invigilator	IIT Bombay	-	-

Co-Curricular and Extra-Curricular Activities



The departments organize the co-curricular activities through students' Association/Professional Society chapters in order to enhance their individual traits. In addition to that, all departments organize a National level technical student symposium/conference.

Details of Each Association and Chapters

Programme	Name of the Association
Electronics & Communication Engineering	EMINENCE
Programme	Name of the Chapters
Electronics & Communication Engineering	IEI, ISTE, IETE,eWIT

Faculty In-charge for Chapters

Name of the Chapter	Faculty Incharge
IEI	Mr.M.Thirupathi, AP/ECE
ISTE	Mrs.R.Kavitha,AP/ECE
IETE	Dr.V.M.Senthilkumar, Prof/ECE

Awards Received by Students in Co-Curricular Activities

S.No	Department	Academic Year	Awards/Medals received	Name of the Awards/Medals received
1	Electronics & Communication Engineering	2024-2025	8	Quality Circles Forum of India Chennai Chapter-Platinum Award EDI Hackathon Paper presentation

Student participation in Co-Curricular Activities

S.No	Department	Academic Year	No of students participated in Co-curricular activities
1	Electronics & Communication Engineering	2024-2025	157

Student paper publication and online courses completed

S.NO	Department	Academic Year	Papers Published in International Journals	No. of Students completed NPTEL course
1	Electronics & Communication Engineering	2024-2025	-	35

Participation in inter-institute events by students of the program of study

Students Participation within the States

Academic Year	Department	No.of Students attended workshop	No.of Students attended Symposium event	No. of Students attended Project Contest	No. of Students attended Conferences	No.of Students attended Other Events	Total
2024-2025	Electronics & Communication Engineering	46	84	25	0	5	160

Awards/Prizes and Participation received in co-curricular activities

S.No	Student Name	Dept	Prize/participated	Class of the student	Name of the Event	Organized by	Level
1	T. Abinaya G.Brundha V.K.Brindha Monisha Sasirekha	ECE	Prize	IV	Quality Circles Forum of India Chennai Chapter- Platinum Award	Quality Circles Forum of India Chennai Chapter	State
2	V.Abinaya U. Mouleshwari M. Aishwarya B.Chaithra	ECE	Prize	III	EDI Hackathon	Tamilnadu State Government	State
3	R. Abirami K. Gayathri R.Arulmozhi	ECE	Prize	IV	EDI Hackathon	Tamilnadu State Government	State
4	Jeysree Abirami R	ECE	First Prize	IV	Paper Presentation	Paavai Engineering College	Institute

Awards/Prizes and Participation received in co-curricular activities

S.No	Student Name	Dept	Prize/ participated	Class of the student	Name of the Event	Organized by	Level
5	Jeyshree Abirami R	ECE	Second Prize	IV	Paper Presentation	Paavai Engineering College	Institute
6	Shobika N	ECE	First Prize	III	Idea Contest	Vellalar College of Engineering and Technology	Institute
7	Subhasree M Nivetha K Pavithra M Santhiya.B	ECE	First Prize	III	Paper Presentation	Sri Ramakrishna Institute of Technology	Institute
8	Vaishanavi R Nisha R	ECE	First Prize	II	Paper Presentation	Bannari Amman Institute of Technology	Institute
9	Anushya D Kiran Sowmini P Dharshini C Geetha S Devadharshini S	ECE	First Prize	III	Paper Presentation	K.S.R College of Engineering	Institute
10	R.Abirami	ECE	First Prize	III	Project Presentation	PALS,IIT Madras	State
11	Monisha	ECE	First Prize	III	Project Presentatio	PALS,IIT Madras	State
12	G.Brundha V.K.Brindha S.Deepa G.Geevithra	ECE	Second Prize	III	Prototype Display	AICTE Idea Lab, VCEW	Institute
13	G. Kavya Shree M.Ashvitha	ECE	First Prize	III	My Idea Contest	AICTE Idea Lab, VCEW	Institute
14	G.Geevithra	ECE	Second Prize	III	Paper Presentation	M.P.Nachimuthu M.Jaganathan	Institute
15	T.Saranya R.Suvega G.C.Priya	ECE	Prize	IV	Bhumi – Most Unique Social Initiative Award	Tamilnadu State Government	State
16	N.Janashri C.R.Mamatha E.Deva Dharshini	ECE	Prize	IV	Bhumi – Most Unique Social Initiative Award	Tamilnadu State Government	State

Industrial visit/Educational Tour



S. No.	Industrial Visit/ Educational Tour	Name of the Industry/ Company/ Place visited	Year/Sem/Section	Total No. Students	Date of visit
1	Industrial Visit	Swelect Energy Systems Limited-Idappadi,Salem.	II ECE B	62	Jul 10, 2024
2	Industrial Visit	Swelect Energy Systems Limited-Idappadi,Salem.	II ECE A	61	Mar 10, 2024