



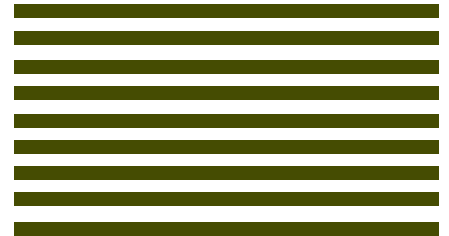
# V V COLLEGE OF ENGINEERING

V V Nagar, Arasoor, Tisaiyanvilai, [www.vvcoe.org](http://www.vvcoe.org)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

## NEWSLETTER

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### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



#### Department Activities



#### Students Activities





## **College Vision**

- *Emerge as a premier technical institution of global standards, producing enterprising, knowledgeable engineers and entrepreneurs*

## **College Mission**

- *Impart quality and contemporary technical education for rural students.*
- *Have the state-of-the-art infrastructure and equipment for quality learning.*
- *Enable knowledge of ethics, values and social responsibilities.*
- *Inculcate innovation and creativity among students for contribution to society.*

## **Department Vision**

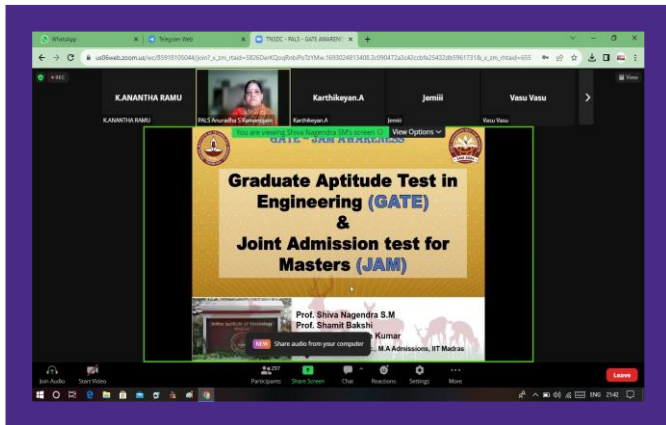
- *Produce competent Electronics and Communication Engineers and entrepreneurs with research ideas to fulfill societal needs through innovation, creativity, ethics, and values.*

## **Department Mission**

- *Have good infrastructure and cutting-edge laboratory and research facilities for high-quality teaching, learning processes, design, development, and research.*
- *Provide resources, environment, and continuous learning processes for better exposure to contemporary technologies in Electronics, Communication, and allied Engineering.*
- *Encourage creativity and innovation and the development of self-employment through knowledge and skills, for contribution to society.*

# DEPARTMENT ACTIVITIES

## Online Gate 2024 Awareness Program



The students of Department of Electronics and Communication Engineering attended the "Online Gate 2024 Awareness program" on 26th August 2023. Professor. Shiva Nagendra, Chairman, IIT Madras addressed the students and created the awareness on GATE Exam. Moreover our students acquired the importance of GATE Exam Score in Government and Non-Government sectors.

## Alumni Talk - Expectations and Challenges in the Semiconductor Industry

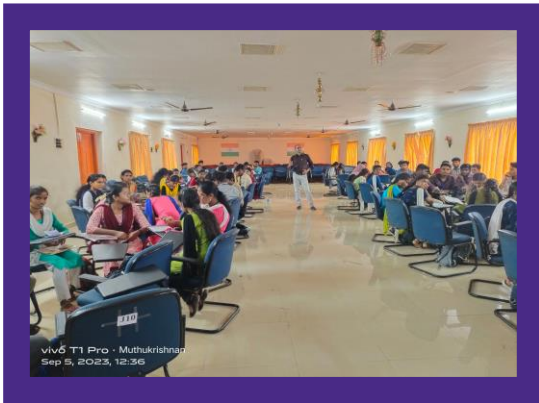


"EXPECTATIONS & CHALLENGES IN THE SEMICONDUCTOR INDUSTRY" an Alumni talk was conducted on 24th August 2023. Our alumni Mr. S. Gemsol Davies & Mr. J. Andrews (2017 passed out students) Design Engineer, TESSOLVE Semiconductor Pvt. Ltd, Bangalore enlightened our students with their experience on how to succeed in the semiconductor industry. In addition they shared their preparation methodology towards placement in the core companies.



## Interactive Workshop

### English for Everyone – Effective Communication for Engineers



To enhance our communication skills even stronger, we organized an 'Interactive workshop' under the name "English for Everyone - EFFECTIVE COMMUNICATION FOR ENGINEERS" on 04.09.23 & 05.09.23. The resource persons Mr. U. S Ramasamy, Associate Professor, Kamaraj College of Engg & Technology and Ms. Dhivya Parthasarathy, Soft skill trainer, Tenemos India Pvt. Ltd equipped our students to voice out bravely in English without any hesitation. They engaged our students interactively throughout the session on both days.

## National Level Technical Symposium

### V V TECHNOZER 2K23

We organized the National level Technical Symposium "VV TECHNOZER 2K23 " on 27th September 2023 to discover the inner talents of the budding technocrats. Students from various colleges participated in the events and earned their awards. On top of that, our students coordinated each and every event with the peak spirit.



## Industry - Institute Interaction

### Career Domain in IT industry and Challenges in the Journey from College to Corporate



"Career Domain in IT industry and Challenges in the Journey from College to Corporate", an industry institute interaction was conducted on 9<sup>th</sup> October 2023. The session was handled by the Resource person Mr. Aravindhan Balu, Sr. Consultant - Delivery Head, Connected Services, TCS, Chennai. Our students acquired an overview of the challenges to be faced in the Corporate World. Moreover they got an exposure on various carrier domains in IT industry.

## Industrial Visits

Our final year students embark on an insightful Industrial Visit to the "Indian Space Research Organization" Mahendragiri, Tirunelveli district on 31.08.23. As the source persons narrated from the root, our students got the keen knowledge on the space exploration. Besides they had an informative trip on that day.



Our Pre final year students explored "Indian Space Research Organization" on 11.10.23 as an industrial visit. Two of our faculty members accompanied them. Further our students got a fascinating experience, allowing them to gain firsthand insight into India's advancements in space exploration and technology.



An Industrial visit to Borotik India Wood Tech Pvt. Ltd at Shenbagaramputhur was organized on 13.12.23. Three of our faculty members accompanied the students. Our students got awareness about the processing methods of wood under different units as well as a rich industrial exposure.





## STUDENTS ACTIVITIES

Our students actively participated in intercollege events and demonstrated their skills.

### Two Days National Workshop on Design Skills Development in Electronics and Photonics Systems using Simulation Tools



A two day workshop on “Design Skills Development in Electronics and Photonics System using Simulation Tools ” was held at Dr. Sivanthi Aditanar College of Engineering, Tiruchendur. Four of our Pre final year students attended the workshop enthusiastically and got certified too. They also got acquainted about the real time applications of photonics.

The certified students are listed below:

Jecintha Roselin J	Workshop	30&31/10/2023	Dr. Sivanthi Aditanar College of Engineering, Tiruchendur.	Certified
Karishma Y	Workshop	30&31/10/2023	Dr. Sivanthi Aditanar College of Engineering, Tiruchendur.	Certified
Anantha Ramu K	Workshop	30&31/10/2023	Dr. Sivanthi Aditanar College of Engineering, Tiruchendur.	Certified
Muthukrishnan M	Workshop	30&31/10/2023	Dr. Sivanthi Aditanar College of Engineering, Tiruchendur.	Certified



Our Emerging second year students participated in Technical Symposium which was held at PET Engineering College, Vallioor and Francis Xavier Engineering College, Tirunelveli. They exhibited their technical and non technical skills. All of our participants are certified.



The certified students are listed below:

R.Muthu Santhosh	Technical Symposium	11/10/2023	PET Engineering college	Certified
Vishva kumar	Technical Symposium	11/10/2023	PET Engineering college	Certified
S.Robin	Technical Symposium	11/10/2023	PET Engineering college	Certified
C.Vikram Bharath	Technical Symposium	11/10/2023	PET Engineering college	Certified
Ashok Ganesh P	Paper presentation	18/10/2023	PET Engineering College	Certified
Muthu Eswaran C	Paper presentation	18/10/2023	PET Engineering College	Certified
Manthira Siva M	Paper presentation	18/10/2023	PET Engineering College	Certified
Raja Guru K	Paper presentation	18/10/2023	PET Engineering College	Certified
Vijay B	Paper presentation	18/10/2023	PET Engineering College	Certified
Rajesh V	Paper presentation	18/10/2023	PET Engineering College	Certified



A. Suganthi	Paper presentation	28/10/2023	Francis Xavier Engineering college	Certified
Sathana B	Paper presentation	28/10/2023	Francis Xavier Engineering college	Certified
Sathana B	Conectopia	28/10/2023	Francis Xavier Engineering college	Certified
Mahesh Raman	Paper presentation	28/10/2023	Francis Xavier Engineering college	Certified
Umesh mayandi konar M	Paper presentation	28/10/2023	Francis Xavier Engineering college	Certified
Mahesh Raman	Conectopia	28/10/2023	Francis Xavier Engineering college	Certified
Umesh mayandi konar M	Conectopia	28/10/2023	Francis Xavier Engineering college	Certified
Manthira siva M	Conectopia	28/10/2023	Francis Xavier Engineering college	Certified



## NPTEL Online Certification

Our pre final year students enrolled in the NPTEL Online courses and got certification too. They achieved this laurel through their constant and consistent efforts.



S.No	Name	Course
1	Anusuya A	Programming in Java
2	Muthukrishnan M	Programming in Java
3	Anantha Ramu K	Programming in Java
4	Kalaiaarasi M	Programming in Java
5	Muthulakshmi R	Programming in Java
6	Alagu Petchiammal Jeyasri M	Programming in Java
7	Rabisha K	Programming in Java
8	Sahaya Jenifer T	Programming in Java

## Placements

S.No	Name	Company Name
1	SUGANTHI L	Stanch Solutions Pvt Ltd
2	MUTHU PARVATHI S	Maxvy Technologies
3	MOHAMMED MADEENA SAHIP A	Maxvy Technologies
4	ABIRAM K.E	Maxvy Technologies
5	HARSHINI J	Maxvy Technologies
6	JEYA BHARATHI M	Maxvy Technologies
7	GANESH P	Maxvy Technologies
8	ARUN SIVA R	Apex Academy
9	FANCIYA C	Apex Academy
10	GOWSALYA M	Apex Academy
11	JAYABALAN	Apex Academy
12	JEBA RANISHA M	Apex Academy
13	JOTHIESWARI R	Apex Academy
14	KASIRAM SURESH M	Apex Academy
15	MUTHU MAGESWARI P	Apex Academy
16	MUTHU SOWNDARYA S	Apex Academy
17	NANTHINI R	Apex Academy
18	NAVEEN S	Apex Academy
19	PONRATHI S	Apex Academy
20	SARITHA S	Apex Academy
21	SELVA NATARAJAN S	Apex Academy
22	SREERAM MAGESSWARAN S	Apex Academy
23	SUTHA A	Apex Academy
24	SUTHAKAR P	Apex Academy
25	VIJAYALAKSHMI G	Apex Academy



## **FACULTY ACTIVITIES**

**Webinar, FDP, workshop, Conference, National Conference and Seminar**

S.No	Faculty Name	Particulars	Date	Title/Remarks
1.	Mr.L.Amutha Swaminathan	Workshop	20 <sup>th</sup> June 2023	Attended an one day Online Workshop on "Business Model Canvas" conducted by Directorate of Entrepreneurship and Innovation (DEI), SRM Institute of Science & Technology, Chennai.
2.	Mrs.S.Karthika	Workshop	23 <sup>rd</sup> June 2023	Attended an one day Workshop on "Artificial Intelligence & Machine Learning" conducted by PSN College of Engineering and Technology, Tirunelveli.
3.	Mrs. J Julie Antony Roselin	FDP	10th July 2023 to 14th July 2023	Attended five days Online FDP on "CS8691 Embedded systems and IoT" organized by Department of Information Technology in association with ISTE Chapter at Jayaraj Annapakiam CSI College of Engineering, Nazareth.
4.	Dr.P.Vanitha	FDP	12th July 2023 to 1st August 2023	Attended 21 days Online FDP on "Data science tools" organized by SRM University, Trichy campus.
5.	Mrs.S.Poornalekha	Guest lecture	28th July 2023	Online guest lecture on "Internet of Things" Conducted for SCAD Polytechnic College Students.
6.	Mr.L.Amutha Swaminathan	FDP	10th July 2023 to 14th July 2023	Attended five days Online FDP on "CS8691 Embedded systems and IoT" organized by Department of Information Technology in association with ISTE Chapter at Jayaraj Annapakiam CSI College of Engineering, Nazareth.

7.	Dr.P.Vanitha	Alumni Talk	25th August 2023	Organized on one day Alumni Talk on “Challenges and opportunities in semiconductor industries” at V V College of Engineering, Tisayanvilai.
8.	Dr.P.Vanitha	Seminar program	26th August 2023	Organized on one day online Seminar program on “Awareness program on GATE 2023 ”at V V College of Engineering, Tisayanvilai.
9.	Mrs. S.Poornalekha	FDP	7th August 2023 to 11th August 2023	Attended five days FDP on “Machine Learning using Python” organized by Infosys limited.
10.	Mrs. J.Vanitha	STTP	21st August 2023 to 25th August 2023	Attended in Five Days Short Term Training Program (STTP) on “Breaking Boundaries in Healthcare: Futuristic Antenna Design for Telemedicine and Biomedical Applications using Artificial Intelligence”Organized by Department of Electronics and Communication Engineering, CARE College of Engineering, Trichy.
11.	Mrs. J.Vanitha	International conference	16th August 2023	Presented the paper “Design and performance analysis of Microstrip patch Antenna using different substrate”in the international conference,Organized by PET Engineering College, Vallioor.
12.	Dr.P.Vanitha	Work shop	4th September 2023 & 5th September 2023	Organized on Two days Workshop program on “Effective communication skills for Engineers” at VV College of Engineering, Tisayanvilai.
13.	Mrs.T.Jini	FDP	13th September 2023 & 17th September 2023	Attended five days FDP on “Optimization Techniques and its applications from a research perspective” organized by Scientific Research Reports,Chennai.
14.	Mrs.J.Julie Antony Roselin	FDP	4th December 2023 to 8th December 2023	Attended One week online FDP on “Outcome based Education ” organized by Velammal College of Engineering and Technology, Madurai.
15.	Dr.P.Vanitha	FDP	4th December 2023 to 8th December 2023	Attended One week online FDP on “Outcome based Education ” organized by Velammal College of Engineering and Technology, Madurai.

16.	Dr.P.Vanitha	NPTEL Course	July 2023 - December 2023	Attended 12 weeks online NPTEL course on "Learning analytics tools "
17.	Mrs. S.Poornalekha	FDP	4th December 2023 to 8th December 2023	Attended One week online FDP on "Outcome based Education " organized by Velammal College of Engineering and Technology,Madurai .
18.	Mrs. J.Vanitha	FDP	4th December 2023 to 8th December 2023	Attended One week online FDP on "Outcome based Education " organized by Velammal College of Engineering and Technology, Madurai .
19.	Mrs. J.Vanitha	Work shop	12th December 2023 to 16th December 2023	Attended Five days Workshop on "Antenna design Techniques for various Applications "Organized by CARE College of Engineering ,Trichy in association with IEEE CARE students branch Madras Section.
20.	Mrs.Jini.T	FDP	4th December 2023 to 8th December2023	Attended One week online FDP on "Outcome based Education " organized by Velammal College of Engineering and Technology, Madurai .
21.	Mrs.S.Karthika	FDP	4th December 2023 to 8th December 2023	Attended One week online FDP on "Outcome based Education " organized by Velammal College of Engineering and Technology, Madurai .
22.	Mrs.N.Sathasivan	Work shop	24th December 2023	Attended One day online Workshop on "Cloud computing on AWS in Nodejs" Organized by Marcello Tech, Trichy.

## Book Chapter Publications

### Dr. P. Vanitha

- Book : Tunnelling Field Effect Transistors-Physics Design and Modelling  
Chapter : Basic science and development of subthreshold swing technology Taylor & Francis group  
CRC Press, ebook ISBN : 9781003327035
- Book : Handbook of Emerging materials for semiconductor industry  
Chapter : Part IV : Semiconductor Applications – Advanced Tunnel Field Transistors Springer
- Book : Handbook of Emerging materials for semiconductor industry  
Chapter : Part I : Foundation of Emerging materials - C-based Nanomaterials :Graphite, Graphene and CNT Springer

## Conference Publications

### Dr. P. Vanitha

- National Conference on Engineering and Scientific Innovations - 2023 conducted at Universal College of Engineering, Valliyoor  
Title : ML based Crop recommendation in Farming
- International Conference on Intelligent Computing and Communication Technology – ICCT 2023, Conducted at JACSI College of Engineering, Nazareth.  
Title : ML based SMART FARMING USING CNN
- National conference on Intelligent Computing and Communication Technolog 9th May,r 2023, organized by Department Of ECE, Grace Engineering College, Tuticorin.  
Title : Smart Irrigation System using IOT

### Mrs. J. Vanitha

- International Conference on Emerging Trends in Engineering, Management and Computer Applications - 2023 conducted at PET Engineering College, Vallioor  
Title : Design and Performance Analysis of Microstrip Patch Antenna Array using Different Substrate Materials for Wireless Applications



## **Mrs. S. Karthika**

- International Conference on "ICCT 23", conducted at Jeyaraj Annapackiam college of Engineering, 26<sup>th</sup> April 2023

Title: FRESH AND ROTTEN FRUITS CLASSIFICATION USING DEEP LEARNING

## **NPTEL Online Certification**

## **Dr. P. Vanitha**

- Completed NPTEL Online Certification in Learning Analytics Tools (12 week course) June - Dec 2023

## **Project Guided**

## **Dr. P. Vanitha**

- Guided a project titled " Heart Attack Predictor" which was presented by Mr. Kannan. B of III ECE in the final pitch of Tamil Nadu State level Innovative idea Competition held at Hindustan Arts College, Chennai.
- Submitted a proposal on " Creatinine Biosensors : An enzyme coated Metal Nanoparticles" to MedTech Software Technology Parks of India (STPI), Lucknow

## **Journal Publications**

## **Mrs. J. Vanitha**

- International Journal of Environmental Protection and Ecology, vol. 24, No. 8, pp.2862–2872, 2023.  
Title: Gain Enhancement and Coupling Reduction in Four Port E-Shaped Patch Antenna Array with DGS for Synthetic Aperture Radar and MIMO Applications
- ACS OMEGA, vol. 8, pp.43197 – 43217, doi:10.1021/acsomega.3c06691, November, 2023.  
Title: Design and Analysis of Microstrip Patch Antenna Array and Electronic Beam Steering Linear Phased Antenna Array with High Directivity for Space Applications





# ✨ ECE FAMILY ✨











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## Department of Electronics and Communication Engineering



V V College of Engineering  
V V Nagar, Tisaiyanvilai(Via),  
Tirunelveli(Dist.)  
Pincode : 628656  
ph : 04637-273412,274300

follow us on



Let's Start!

Web : [vvcoe.org](http://vvcoe.org)

Email : [info@vvcoe.org](mailto:info@vvcoe.org)

Student Editors :

M. MUTHUKRISHNAN, III ECE

M. SELVA MALAVIKA, III ECE