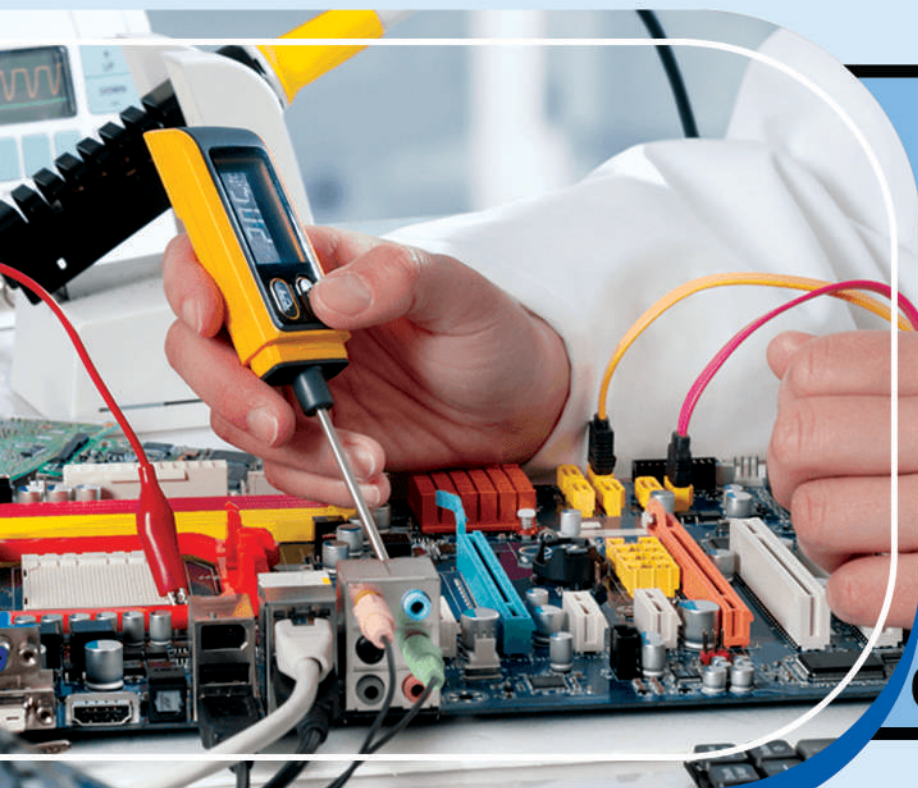




VISWAJYOTHI

COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University



NEWS LETTER

Jan-June 2023

Vol : 16

Issue : 2



Zealous

DEPARTMENT OF

ELECTRONICS &

COMMUNICATION ENGINEERING

INSTITUTE VISION

“Moulding Professionals par Excellence with Integrity, Fairness and Human Values”.

INSTITUTE MISSION

1. We commit to develop the institution as a Center of Excellence of International Standards
2. We guide our students in the attainment of intellectual and professional competence for successfully coping with the rapid advancements in technologies and the ever changing world of business, industry and services
3. We help each and every student in their personal growth into mature and responsible individuals
4. We strive to cultivate a sense of social and civic responsibility in our students, thus empowering them to serve humanity.
5. We promise to ensure a free environment where quest for the truth is encouraged

DEPARTMENT VISION

“Moulding Electronics Engineers with Professional Competence and Global Outlook.”

DEPARTMENT MISSION

- ⇒ To create a vibrant academic ambience conducive for progressive learning.

- ⇒ Build up excellent infrastructure and lab facilities to train the students in the current & emerging technology.
- ⇒ Maintain well qualified faculty who are willing to upgrade their knowledge continuously.
- ⇒ Groom students towards successful careers by facilitating industry-institute relationships and value addition through regular skill-development programmes.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Our Graduates shall be

- ⇒ Suitably employed in allied industries/services with professional competency and knowledge of modern tools.
- ⇒ Capable of developing economically viable, technically feasible eco friendly electronic systems.
- ⇒ Capable to pursue higher studies/research in the field of interest.

PROGRAM SPECIFIC OUTCOMES (PSO)

Students will be able to

1. Analyze and modify electronic products which will find applications in the field of communication and automation.
2. Apply the concepts of signal processing and develop algorithms to solve real-world electronics and communication engineering problems.
3. Design and manage cost effective low power electronic systems to address global challenges with a strong social commitment and ethical values.



HOD'S MESSAGE

Welcome to the department of Electronics & Communication Engineering, Viswajyothi College of Engineering & Technology, Vazhakulam, Kerala. We started our journey in the year 2001 with the aim of providing leadership in the field of Electronics & Communication Engineering with an intake of 30 students. The department is accredited by National Board of Accreditation (NBA) with a current intake of 60 students. We also have NAAC accreditation at institute level, with "A" grade.

The department has a team of well qualified and experienced faculty members and technical supporting staff, who dedicatedly work for molding electronics engineers with professional competence and global outlook. We have excellent infrastructure and state-of-the-art laboratories to equip our students in the areas of Electronic Circuit Design, Communication Systems, Digital Signal Processing, Embedded Systems, Microwave Devices, Computer Simulations, Fiber Optic Communication etc. All laboratories are well equipped with required hardware and simulation software. The student projects are conducted in-house with the guidance of department faculty and industrial trainers. The 4-year B.Tech. program is also sandwiched with seminars & workshops in collaboration with industries, based on current technological trends, industrial visits, industrial internships etc., in order to achieve a balance between academic knowledge and practical experience that enable them to serve industry and societal needs.

Apart from strictly adhering to academic curriculum, various co-curricular and extracurricular activities take place at department level and institute level. Students are given opportunities to involve in professional bodies such as IEEE and IETE student chapter activities which help students to gain confidence in showcasing their technical skills. Students are encouraged to participate in arts fest, technical fest, sports etc. at intra-college and, inter-college level competitions. We have a very good job placement record. Our graduates are working in governmental organizations, national & multinational companies, defence services, and academic institutions in India and abroad.

In all our endeavors, we seek God's blessings to keep us on the path of righteousness, wisdom and courage. May God bless us in all our efforts to mould better quality engineers, who can make a positive impact in our society and help to build our nation in this dynamic and challenging world.

With warm regards and best wishes...

Dr. Naveen Jacob



PRINCIPAL'S MESSAGE:

As all of you know the electronic engineers are in demand across various industries like telecommunications, consumer electronics automotive health care and manufacturing. Today the industry requires electronics engineers with expertise in embedded systems, microcontrollers, IoT and wireless technologies. To excel in your field continuous learning is essential. Try your best to get updated with the latest technologies and industry trends. Gaining practical experience is also very important. Wish you all the best for a bright future.

Dr.K.K.Rajan

FACULTY DEVELOPMENT PROGRAM / WORKSHOP

Dr. Cyriac M Odackal

Participated in the 5 days' faculty development program on 'Advances in Communication Engineering' organized by Department of Electronics & Communication Engineering, VJCET, Vazhakulam, from 6.3.2023 – 10.3.2023.

Dr. Tony D

Participated in the 5 days' faculty development program on 'Advances in Communication Engineering' organized by Department of Electronics & Communication Engineering, VJCET, Vazhakulam, from 6.3.2023 – 10.3.2023.

R. Anilkumar

Participated in the 5 days' faculty development program on 'Advances in Communication Engineering' organized by Department of Electronics & Communication Engineering, VJCET, Vazhakulam, from 6.3.2023 – 10.3.2023.

Anitta Thomas:

- 1) Participated in the virtual faculty development program on "Outcome Based Education" organized by IQAC & Department of Mechanical Engineering, PPG Institute of Technology, Coimbatore from 01.02.2023 to 09.02.2023.
- 2) Participated in the 5 days' National level faculty development program on "Artificial Intelligence and Machine Learning" organized by Department of Computer Science and Engineering, Sri Ranganathar Institute of Engineering & Technology, Coimbatore from 20.02.2023 – 24.02.2023.

- 3) Participated in the 5 days' faculty development program on 'Advances in Communication Engineering' organized by Department of Electronics & Communication Engineering, VJCET, Vazhakulam, from 6.3.2023 – 10.3.2023.

Ranjini Surendran

- 1) Attended an FDP on 'Advances in Communication Engineering' conducted by the Department of Electronics & Communication Engineering, VJCET, Vazhakulam in association with APJ Abdul Kalam Technological University during 6th to 10th March 2023.

Niji Mathews:

- 1) Participated in the virtual faculty development program on "Outcome Based Education" organized by IQAC & Department of Mechanical Engineering, PPG Institute of Technology, Coimbatore from 01.02.2023 to 09.02.2023.
- 2) Participated in the 5 days' National level faculty development program on "Artificial Intelligence and Machine Learning" organized by Department of Computer Science and Engineering, Sri Ranganathar Institute of Engineering & Technology, Coimbatore from 20.02.2023 – 24.02.2023.
- 3) Participated in the 5 days' faculty development program on 'Advances in Communication Engineering' organized by Department of Electronics & Communication Engineering, VJCET, Vazhakulam, from 6.3.2023 – 10.3.2023.

Rose Maria Jose:

- 1) Participated in the virtual faculty development program on "Outcome Based Education" organized by IQAC & Department of Mechanical Engineering, PPG Institute of Technology, Coimbatore from 01.02.2023 to 09.02.2023.
- 2) Participated in the 5 days' faculty development program on 'Advances in Communication Engineering' organized by Department of Electronics & Communication Engineering, VJCET, Vazhakulam, from 6.3.2023 – 10.3.2023.

Merlin Thomas

- 1) Participated in the virtual faculty development program on "Outcome Based Education" organized by IQAC & Department of Mechanical Engineering, PPG Institute of Technology, Coimbatore from 01.02.2023 to 09.02.2023.
- 2) Participated in the 5 days' faculty development program on "Technology Based Learning for Communication & Signal Processing" from Jan 9-13 2023 @ SAINTGITS, Kottayam.
- 3) Attended the 5 days' faculty development program on 'Advances in Communication Engineering' organized by Department of Electronics & Communication Engineering, VJCET, Vazhakulam, in association with APJ Abdul Kalam Technological University during 6th to 10th March 2023.

Cuckoo Anitha Joseph:

- 1) Participated in the virtual faculty development program on "Outcome Based Education" organized by IQAC & Department of Mechanical Engineering, PPG Institute of Technology, Coimbatore from 01.02.2023 to 09.02.2023.
- 2) Participated in the 5 days' National level faculty development program on "Artificial Intelligence and Machine Learning" organized by Department of Computer Science and Engineering, Sri Ranganathar Institute of Engineering & Technology, Coimbatore from 20.02.2023 – 24.02.2023.
- 3) Participated in the 5 days' faculty development program on 'Advances in Communication Engineering' organized by Department of Electronics & Communication Engineering, VJCET, Vazhakulam, from 6.3.2023 – 10.3.2023.

Manu Jose

- 1) Attended an FDP on 'Advances in Communication Engineering' conducted by the Department of Electronics & Communication Engineering, VJCET, Vazhakulam in association with APJ Abdul Kalam Technological University during 6th to 10th March 2023.

Manju Thomas

Attended an FDP on 'Advances in Communication Engineering' conducted by the Department of Electronics & Communication Engineering, VJCET, Vazhakulam in association with APJ Abdul Kalam Technological University during 6th to 10th March 2023.

Anish M Jose

- 1) Participated in the virtual faculty development program on "Outcome Based Education" organized by IQAC & Department of Mechanical Engineering, PPG Institute of Technology, Coimbatore from 01.02.2023 to 09.02.2023.
- 2) Attended the 5 days' faculty development program on 'Advances in Communication Engineering' organized by Department of Electronics & Communication Engineering, VJCET, Vazhakulam, in association with APJ Abdul Kalam Technological University during 6th to 10th March 2023.
- 3) Attended the 5 days' faculty development program on "Inculcating Universal Human Values in Technical Education" organized by AICTE from 29th May to June 2 2023.

Vinija Kurian

- 1) Participated in the faculty development program on "Machine Learning and Artificial Intelligence" organized by Department of Computer Science and Engineering, VJCET, Vazhakulam in association with APJ Abdul Kalam Technological University, from 30th January to 3rd February 2023
- 2) Participated in the faculty development program on 'Advances in Communication Engineering' organized by Department of

Electronics & Communication Engineering, VJCET, Vazhakulam, in association with APJ Abdul Kalam Technological University from 6.3.2023 to 10.3.2023.

PAPER PUBLICATIONS

- Ms. Ranjini Surendran presented a paper titled AUTOMATIC WALL PAINTING ROBOT, in VLES'23, National Conference on VLSI, Signal Processing and Communication organized by Department of Electronics & Communication Engineering, VJCET on 15th June 2023.
- Ms. Ranjini Surendran presented a paper titled HOME AUTOMATION SECURITY AND FERTILIZER SYSTEM USING ESP, in VLES'23, National Conference on VLSI, Signal Processing and Communication organized by Department of Electronics & Communication Engineering, VJCET on 15th June 2023.
- Ms. Merlin Thomas presented a paper titled "Comparative Study on Reversible Logic based Full Adders" in the International Colloquium on Advances in Engineering Technology, IC@MACE on 16 -17 June 2023 organized by Mar Athanasius College of Engineering Kothamangalam in association with Saint-Petersburg Electrotechnical University, Russia.
- Mr. Manu Jose presented a paper titled MAGIC MIRROR AI, in VLES'23, National Conference on VLSI, Signal Processing and Communication organized by Department of Electronics & Communication Engineering, VJCET on 15th June 2023.
- Mr. Manu Jose presented a paper titled UNDER WATER ROV, in VLES'23, National Conference on VLSI, Signal Processing and Communication organized by Department of Electronics & Communication Engineering, VJCET on 15th June 2023.
- Ms. Vinija Kurian presented a paper titled "Importance of CNN in the Classification of Remote Sensing Images", in the IEEE 6th International conference on Advanced Computing and Communication Technologies for High Performance Applications (ACCTHPA 2023) organized by Department of Computer Science, FISAT, Angamaly from 20th -21st January 2023.

PROGRAMS ORGANIZED BY THE DEPARTMENT

FDP on ADVANCES IN COMMUNICATION ENGINEERING

A one-week Faculty Development Programme on "Advances in Communication Engineering" sponsored by APJ Abdul Kalam Technological University was hosted by the department under the coordination of Dr. Cyriac M Odackal and Dr. Tony D, Associate Professors, ECE during 6th to 10th March 2023 in which 20 faculty members from other institutions were also beneficiaries. The FDP was inaugurated by Mr. Shalu Thomas, Managing Director & CEO of Digital Core Technologies, Kochi.



NATIONAL CONFERENCE-VLES'23

The Department hosted the 15th National conference on VLSI, Signal Processing & Communication, VLES'23 on 15th June 2023 for which the Keynote speaker Mr. Jentil Jose, Senior Architect, IDEAS-Wipro Engineering delivered a talk on "SOC Functional Safety Considerations". Dr. Cyriac M Odackal and Dr. Tony D, Associate Professors, ECE were the coordinators. Around 26 papers were presented and selected few were published in the biannual journal of VJCET- "Technology & Future."



IETE

IETE in association with Department of ECE conducted an expert talk on "Awareness on Current Research Areas and Financial Assistance Schemes" for S8 ECE students on 10.3.2023. The resource person was Mr. Balakrishna I, Scientist SAMEER. CEM, Chennai. Mrs. Smitha Cyriac and Mrs. Niji Mathews were the Staff in Charges.



INDUSTRIAL VISITS

Industrial visit is usually the first point of interaction between a student and live working industry. Industrial visits are now a part of the holistic educational process. Educational institutions are now realising the importance of industrial visits for college students. The curriculum has now evolved to include industrial visits in the course syllabus.

➔ S8 ECE A



S8 EC-A along with the faculties Mr. Manu Jose and Mrs. Rose Maria Jose went for a 3-day trip to Kodaikanal and Munnar. On the way they visited FM Station Kodaikanal and TATA Tea factory, Munnar.



S8 ECE B

S8 EC-B along with the faculties Mr. Anish M Jose and Mrs. Merlin Thomas went for a 3-day trip to Coorg, Chikmanglur and Belur. On the way they visited Radio Mattoli (90.4 FM), a Community Radio Service (CRS) licensed by the Union Ministry of Information & Broadcasting situated at Dwaraka (Mananthavady) in Wayanad District of Kerala



S6 ECE

Students of 6th Semester Electronics and Communication Department went for an IV from 8th -11th May 2023 to Goa along with the

faculties Mr. R. Anilkumar and Mrs. Niji Mathews. Electrocontrols and Goan Electrical are the major electronic companies in Goa and students got an opportunity to visit these companies



S4 ECE

Students of 4th Semester Electronics and Communication Department went for an IV on 23rd May 2023 to Connemara Tea factory, Vandiperiyar along with the faculties Dr. Naveen Jacob and Mrs. Anurani Philip.



STUDENTS ACHIEVEMENTS

- Best Project Award from Electronics & Communication Engineering Department was awarded to Mr. Pranav Pradeep, Mr. Joyal Johnson and Ms. Brijit Saju of S8 EC B. They fabricated an RF-Controlled Robot with Night Vision and Thermal Imaging for Surveillance under the guidance of Ms. Anu C. Kunjachan, Assistant Professor, ECE.

BEST OUTGOING STUDENT



DHILNA BIJU (S8 ECE A)

BRANCH TOPPER



SRUTHY SATHYAN (S8 ECE A)

2019-23 A Batch



2019-23 B Batch



PLACEMENTS

The companies that offered placements for our passing out students are IBS, TCS, Experion, 6D Technologies, Asica, QUEST, Ernst & Young, HCL, Jobin & Jismy, South Indian Bank, LetMeDolt Technologies, TURBO LAB, Sutherland and Federal Bank. 17 students of 2019-2023 A Batch and 31 students of B Batch got placed.



UNIVERSITY RESULT

Semester	Pass Percentage
S1 ECE	76.19
S3 ECE	40.38
S5 ECE	50
S8 ECE A	92.68
S8 ECE B	87.8

CONGRATULATIONS



ECE Association Secretary
Basil Benny
S8 EC B



Students' Council General Secretary
Abhijit A

Staff Editor
Mr. Anish M Jose
AP, ECE

