



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.



VISWAJYOTHI
COLLEGE OF ENGINEERING & TECHNOLOGY

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



PRINCIPAL'S MESSAGE:

The world has not yet recovered from the crisis caused by the pandemic. Even in the clouds we should look for silver lining. The pandemic has put limitations to direct human interactions but gave an impetus to all activities in the online mode for which Electronics engineers have a major role to play. I congratulate all the faculty of Electronics and Communication Engineering department for equipping the students with practical knowledge of current industrial trends. I advise all the students to exploit all the opportunities you get to hone the skills which will give you an added advantage as you advance into the technological world and wish you all a bright future

Dr.K.K.Rajan

HOD'S MESSAGE



It's high time for the consolidation and evaluation of our performance. COVID-19 has activated a trigger for all educational institutions worldwide to pursue creative approaches in a relatively short notice. Online education system has allowed students to work through the learning material at their own pace and time. I hope all my students have coped up with the digital learning techniques. I congratulate all the 2021 passed out students and their tutors for achieving a remarkable result and placement. ECE department has organized many workshops, seminars and alumni interaction programs in the last semester for the professional development of students. Let me also congratulate the staff and students of ECE department for the good performance in the results and placements even in this pandemic situation. Now it's a great responsibility on all of us to keep up the higher standards expected from us by way of results & placements. Wishing you all the very best.

Mrs. Smitha Cyriac

FDPS / WORKSHOPS ATTENDED BY FACULTY

Ms.Smitha Cyriac

"Sustainable Engineering Practices in Agriculture and Automotive Industry "FDP organized by Dept. Of ECE, MACE Kothamangalam 17/5/21-21/5/21

Dr.Cyriac M Odackal

Five Day KTU Sponsored FDP on "Recent Advancement in Wireless Communication Technologies" from 13/7/21 to 17/7/21 organized by the Department of Electronics and Communication Engineering, NSS College of Engineering, Palakkad.

Mr.Naveen Jacob

One week online FDP on "IPR & Patent Prosecution", 24th May 2021 to 28th May 2021

Ms.Anitta Thomas

- Five day online interdisciplinary FDP on Sustainable Engineering Practices in Agriculture and Automotive Industry (SEPAAI) during 17th – 21st May 2021 organized by Department of ECE, MACE, Kothamangalam, Kerala

- ATAL online FDP on Leadership excellence for academic development(LEAD)-elementary from 12.7.2021to16.7.2021 by NIT, surathkal

Ms.Ranjini Surendran

Five Day KTU Sponsored FDP on "Research Perspectives of Machine Learning and Deep Learning for Signal Processing Applications" organized by the Dept. of ECE,Sree Chitra Thirun College of Engineering, Pappanamcode from 6th to 10th September 2021

Ms.Niji Mathews

ATAL online FDP on Leadership excellence for academic development(LEAD)-elementary from 12.7.2021 to 16.7.2021 by NIT, surathkal

Ms.Rose Maria Jose

ATAL online FDP on Leadership excellence for academic development(LEAD)-elementary from 12.7.2021to16.7.2021 by NIT, surathkal

Ms.Merlin Thomas

FDP on "Advancements in Systems for Electric & Hybrid Vehicles"(KTU sponsored), 19th to 23rd April 2021, EEE Dept, VJcet

VLSI Design, Verification & Testing, (ATAL) Academy @Government College of Engineering, Rajkot, 7th to 11th June 2021

Research Issues in VLSI Design & Testing, (ATAL) Academy @Government College of Engineering, Srirangam, 2nd to 6th August 2021

System Design Through Verilog, NPTEL,IIT Guwahati, July to September 2021

VLSI Design Techniques and its Applications in AI/ML, (ATAL) Thapar Institute of Engineering & Technology, Patiala, 15th to 19th November 2021

Recent Advances in VLSI Design and System, (ATAL) Dharmasinh Desai University, Nadiad, 22nd to 26th November 2021

Ms.V K Vanitha Rugmoni

AICTE sponsored STTP on Artificial Intelligence and Applications from 9th to 14th August from Marian Engineering College, Trivandrum

Mr.Manu Jose

Five Day KTU Sponsored FDP on "Research Perspectives of Machine Learning and Deep Learning for Signal Processing Applications" organized by the Dept. of ECE,Sree Chitra Thirunal College of Engineering, Pappanamcode from 6th to 10th September 2021

Ms.Femy John

AI for everyone through coursera by 11 Aug 2021

KTU sponsored 5 day FDP on AI and Data Science : Apedagogical Approach organized by Dept. of ECE, St. Josephs College of Engineering and Technology, during 9th to 13 th August 2021

2-day workshop on Need for Secure TCMPs - an overview, organized by School of Engineering, CUSAT on 26th and 27th August 2021

Mr. Anish M Jose

KTU Sponsored FDP on "Recent Advancement in Wireless Communication Technologies "from 13/7/21 to 17/7/21 organized by the Department of Electronics and Communication Engineering, NSS College of Engineering, Palakkad.

Five day interdisciplinary FDP on Sustainable Engineering Practices in Agriculture and Automotive Industry (SEPAAI) during 17th – 21st May 2021 organized by Department of ECE, MACE, Kothamangalam, Kerala

Ms. Mary Nirmala George

KTU sponsored 5 day FDP on AI and Data Science: A pedagogical Approach organized by Dept. of ECE, St. Josephs College of Engineering and Technology, during 9th to 13 th August 2021

WORKSHOPS/ SEMINARS CONDUCTED

- Webinar on Report Writing in LaTeX by Dr.Simi Zerine Sleeba Associate Professor RSET Ernakulam on 28/05/2021
- Webinar on Ethical Hacking for S4 students by Mr.Prince Kurian Assistant Profesor IT Dept VJCET on 19/06/2021

PAPER PUBLICATIONS

- Presented a paper on " Communication Security System for Soldiers " by Anu Shallet Phillip, Aswathi Shaju,Gayathri Suresh ,Smitha Cyriac in VLES '21, National Conference on VLSI, Signal Processing and Communication organized by Dept. of ECE, VJCET, Vazhakulam (on 26th and 27th July 2021)
- Presented a paper, AryaC S, Aryadevi K V, Greeshma George and Niji Mathews,'Fish feeder using internet of things' in VLES'21 held at VJCET on 26th & 27th july2021
- Presented a paper, "Face Mask Detection and Alert System", by Maria Celas Thomas, Minalee Sibi, Neenu Shoby and Anitta Thomas in VLES '21, National Conference on VLSI, Signal Processing and Communication organized by Dept. Of ECE, VJCET, Vazhakulam (on 26th and 27th July 2021

- Published a paper, Vinija Kurian, Alan Shaju, Amal Joseph, , Adarsh Tomy "Arm Cortex –M Development Board", in Journal of Control System and Control Instrumentation, Pages 9-13 of MAT Journals
- Presented a paper, Alwin C Varghese,Amal Suresh, Jeess Joy, Solu Poulouse,Vinija Kurian, "Autonomous Car", in VLES'21 held at VJCET on 26th & 27th july2021
- Published a paper, Ros Pius,Liya Tomy,Salvia Mathewand Cyriac M Odackal,'AI based Fruit Quality Detection of Pineapples"', in Technology and Future Journal .
- Anu C Kunjachan, Aradhana Prakash, Yamuna M. S, Libiya Pathrose Published a paper titled "Air Pollution Detection, Monitoring And Countering Using Drones "in the "Journal of Analog andDigitalDevices",inVolume6Issue3.
- Presented a paper, "Air Pollution Detection, Monitoring And Countering Using Drones", by Anu C Kunjachan ,Aradhana Prakash, Yamuna M. S, Libiya Pathrosein VLES '21, National Conference on VLSI, Signal Processing and Communication organized by Dept. of ECE, VJCET, Vazhakulam (on 26th and 27th July 2021
- Mary Nirmala George,Alfred Roy,Vyshakh Anil,Jerin George,Royce Paul ,"Automated Hydroponics Farm",in VLES '21, National Conference on VLSI, Signal Processing and Communication organized by Dept. of ECE, VJCET, Vazhakulam (on 26th and 27th July 2021)
- Mary Nirmala George,Amalu Jose, Amanta Abraham,Jeena George,"Automatic Door Access System Using Face Recognition", Journal of Control System and Control Instrumentation, Volume-7, Issue-1 (January-April, 2021),MAT Journals
- Presented a paper Aleena Saji Kuriakose,Dona Saji ,Manju Thomas T"Secured Voting Machine",in VLES'21 held at VJCET on 26th & 27th july2021,Akhishma Stephen,Alitta Liya Manuel ,Annmary Sebastian,ManjuThomas T Published a paper on Design and implementation of Restaurant Serving Robot in MAT JournalsVolume 6 Issue 1 Year 2021
- Presented a paper on "Improved Carry Increment Adder using Han-Carlson Adder" by Jess Mathew,Mariya Polson,Sruthy Varghese, Merlin Thomas in VLES '21, National Conference on VLSI, Signal Processing and Communication organized by Dept. of ECE, VJCET, Vazhakulam (on 26th and 27th July 2021)
- Presented a paper on "Smart Health Band" by Ms. Lekshmi M S, Ms.Alphonsa Renny, Ms.Angela Sunny,Ms.MariaTheresa in VLES '21, National Conference on VLSI, Signal Processing and Communication organized by Dept. of ECE, VJCET, Vazhakulam (on 26th and 27th July 2021)
- Presented a paper on 'Vehicle to Vehicle Communication Using Li-Fi ' by 'Ms.Susan Ranju,Ms.Radhika C.A, Ms.LakshmiPriya B, Ms.Rose Maria Jose in VLES'21 held at VJCET on 26th & 27th july2021
- Presented a paper on"Temperature Detector and Entrance Door Opener for Covid Safety"by V.K.Vanitha Rugmoni, AanjanaM.Baby,ArshiyaNoushad, Mariya George, Saraswathy S.

Nair, in VLES'21, National Conference on VLSI, Signal Processing and Communication organized by Dept. of ECE, VJCT, Vazhakulam (on 26th and 27th July 2021)

- Presented a paper, Ros Pius, Liya Tomy, Salvia Mathew and Cyriac M Odackal, 'AI based Fruit Quality Detection of Pineapples' in VLES'21 held at VJCT on 26th & 27th July 2021.

IETE

- Webinar on Reconfigurable Antennas Integrated with Metamaterial and Metasurfaces by Mr. Naveen Jacob Associate Professor, ECE Dept., Viswajyothi College of Engineering & Technology, Vazhakulam on 25/05/2021
- Webinar on 'Technologies in 5G' by Dr. Siddharth Shelly, Asst. Professor, ECE Department, M A College of Engineering, Kothamangalam. On 10th September 2021

RESULT

S e m e s t e r	P a s s P e r c e n t
S 2 07-21 B a t c h	9 1 . 6 6 %
S 2 08-22 B a t c h	5 9 . 2 %
S 4 2 09-23 B a t c h	6 8 %
S 2 2024 B a t c h	N o t d e c l a r e d

PLACEMENTS

The ECE Department takes immense pride in announcing the final placement for batch of 2017-21. The number of students placed through the campus interviews is continuously rising and maintaining high placement statistics over the years.

ECE A Batch

