



VISWAJYOTHI

COLLEGE OF ENGINEERING & TECHNOLOGY

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



NEWS LETTER

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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.



PRINCIPAL'S MESSAGE:

I appreciate and congratulate the staff and students of ECE department for their effort and sincere co-operation rendered by them in acquiring NAAC accreditation for the institution. While you are in VJCET you get an opportunity to form long-lasting friendships, to learn new skills and enter into a rewarding carrier. I advise all students to make best use of all opportunities available in our institution. The future of the nation lies in your hands. The nation requires individuals who are technically equipped, morally upright and socially committed. All of you can ask yourself the question – "What contribution I can give in building up our nation?" Work hard and play your part in building up our nation. Wish you all the best.

Dr.K.K.Rajan

HOD'S MESSAGE

I am extremely glad to address you all, through our newsletter. The integration of information technology in education will be further accelerated and hence, online education will become an integral component of education. I hope all my students have coped up with the changes in the mode of their studies. Placements for the final year students have started and almost all of them have got placed in various multinational companies. I expect all final year students will achieve a good placement at the end of their course. ECE department has organized 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. Now it's a great responsibility on all of us to keep up the higher standards expected from us, through results & placements. Wishing you all the very best.

Mrs. Smitha Cyriac



FDPS / WORKSHOPS ATTENDED BY FACULTY

Ms.Niji Mathews

- ATAL Online Advanced FDP on "Advanced Manufacturing of Biomedical Devices for Precision Health Technologies " from 24/01/2022 to 28/01/2022 organized by Indian Institute of Technology, Tirupati.
- "Python Basics" coursera completed on 4.11.2021

Ms.Merlin Thomas

- One day Webinar on The future of mobile app industry by Huawei on 13th October 2021

Ms.Cuckoo Anitha Joseph

- ATAL online FDP on "Advanced Manufacturing of Biomedical Devices for Precision Health Technologies" from 24/01/2022 to 28/01/2022 at Indian Institute of Technology Tirupati.

Ms.Anu Rani Philip

- ATAL Online Advanced FDP on "Advanced Manufacturing of Biomedical Devices for Precision Health Technologies " from 24/01/2022 to 28/01/2022 organized by Indian Institute of Technology, Tirupati.

Ms.V K Vanitha Rugmoni

- One day Webinar on The future of mobile app industry by Huawei on 13th October 2021.
- AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "The Trends of Research and Development of Electronics and Communication Area" from 17/01/2022 to 21/01/2022 at National Institute of Technology.

Ms.Manju Thomas T

- AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "The Trends of Research and Development of Electronics and Communication Area" from 17/01/2022 to 21/01/2022 at National Institute of Technology.

Ms.Vinija Kurian

- "AI for ALL" organized by MIT world peace University,Pune from 22nd November to 26th November 2021

Jibby Peter Dcruz

- Neuro-Linguistic Programming Practitioner and Master Practitioner from 8/10/2021 to 12/10/2021

Ms.Anu C Kunjachan

- One day Webinar on The future of mobile app industry by Huawei on 13th October 2021
- Online training/webinar on "IEEE Xplore" on 16th December 2021
- AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "The Trends of Research and Development of Electronics and Communication Area" from 17/01/2022 to 21/01/2022 at National Institute of Technology.
- Python Basics, through Coursera, completed on 20th January 2022

WORKSHOPS/ SEMINARS CONDUCTED

- Career opportunity for Electronics Engineers in Nuclear Industry by Dr K K Rajan Principal VJCT on 11/01/2022
- Workshop on Introduction to Development Boards by Mr.Varghese Benny, Founder and Chief Executive Officer Rabbitsquare on 15/02/2022

INTRODUCTION TO DEVELOPMENT BOARDS

2022 FEBRUARY 15
09.50 am - 11.50 am

Resource person
Mr. Varghese Benny
Chief Technical Officer
Rabbitsquare LLP

Staff in charge
Mr. Jibby Peter Dcruz
Assistant Professor, ECE

Organized by
Department of Electronics & Communication Engineering
in association with
Industry Institute Interaction Cell

VISWAJYOTHI
COLLEGE OF ENGINEERING & TECHNOLOGY
Vishukulam P.O., Muvattupuzha
Ernakulam Dist., Kerala - 686 670
Tel: 0485 2262211 / 44
Email: vijct@vijct.org
www.vijct.org



- Workshop on Electronic Product Design by Truetek World on 9/12/2021 and 10/12/2021



ECE ASSOCIATION

Electronics and Communication Engineering Association inauguration was conducted on 24/1/2022. Mr. Jeevan Joseph, Senior Engineer and Manager, Amazon, USA was the chief guest of the function. He is also an alumni of our department. Head of the department Ms. Smitha Cyriac and ECE association secretary Ms. Anu C Kunjachan address the gathering. Due to Covid restriction the function was conducted in online mode.

ECE Association Inauguration Zealous'22

January 2022
25
09.30 am

Chief Guest
Jeevan Joseph
Senior Engineer and Manager,
Data Engineering,
Analytics and Sciences at Amazon,
USA

Program Coordinators
Mrs. Smitha Cyriac (HOD, ECE)
Mrs. Anu C Kunjachan (Assistant Prof., ECE)
Mr. Sanal Sabu (ECE Association Secretary)

Technical Talk:
**IOT:
Intertwined Nature of
Hardware and
Software**

Google Meet
You Tube
LIVE

VISWAJYOTHI
COLLEGE OF ENGINEERING & TECHNOLOGY
Vishukulam P.O., Muvattupuzha
Ernakulam Dist., Kerala - 686 670
Tel: 0485 2262211 / 44
Email: vijct@vijct.org
www.vijct.org

NBA
NATIONAL BOARD OF ACCREDITATION
AICTE PROGRAMMES ACCREDITED

LIST OF INHOUSE B.Tech PROJECTS

- | Sl.No. | Title of the Project |
|--------|---|
| 1 | IoT Based Environment Monitoring System |
| 2 | Road Cleaning Car |

- 3 A Comparative Study on 16 bit Binary Adders
- 4 AI Based Air and Land Defense System
- 5 IoT Based Smart Management System for Poultry Farm
- 6 IoT Based Face Recognition Access Control
- 7 Intelligent Plant Growth Monitoring and Management System
- 8 Automatic License Plate Recognition using Machine Learning
- 9 Automatic Guided Vehicle for Hospital Application
- 10 Virtual Telepresence Robot
- 11 Front Line Support Rover
- 12 One Wheel
- 13 Autonomous Driverless Car
- 14 IoT Enabled Virtual Eye Smart Navigator Using Image Processing
- 15 Advanced electronic voting machine
- 16 Smart Helmet
- 17 All in one SMPS

IETE

A technical talk on "Design and development of antennas for 5G wireless communication" by Mr. Melvin C Jose, Assistant professor, VJCT, was organized by IETE Students Forum of VJCT in association with department of Electronics & Communication Engineering on 10th January 2022

Technical Talk on
DESIGN AND DEVELOPMENT OF ANTENNAS FOR 5G WIRELESS COMMUNICATION
 For S7 ECE Students
 2022 JANUARY 10
 Resource Person
 Mr. Melvin C Jose
 Associate Professor
 Department of ECE
 VJCT
 Organized by
 Department of Electronics & Communication Engineering
 in association with
 IETE Students Forum
VISWAJYOTHI
 COLLEGE OF ENGINEERING & TECHNOLOGY
 Vitekkulam PO, Muvattupuzha
 Ernakulam District, Kerala - 686 036
 Tel: 9449 226211 / 84
 Email: vijct@rediffmail.com
 www.vijct.org

RESULT

Semester	Pass Percentage
S8 (2017-21 Batch)	66.66 %
S6 (2018-22 Batch)	57.41 %
S4 (2019-23 Batch)	68.3%
S2 (2020-24 Batch)	59.38 %

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.

ACADEMIC EXCELLENCE

2017-2021 Batch (S8 Toppers)



Sneha George



Mariya Celas Thomas



Anuja Shaji

2018-2022 Batch (S6 Topper)

2019-2023 Batch (S4 Topper)



Binusree P A

2020-2024 Batch (S1 Toppers)



Amruthesh P S



Jifi Jimmy