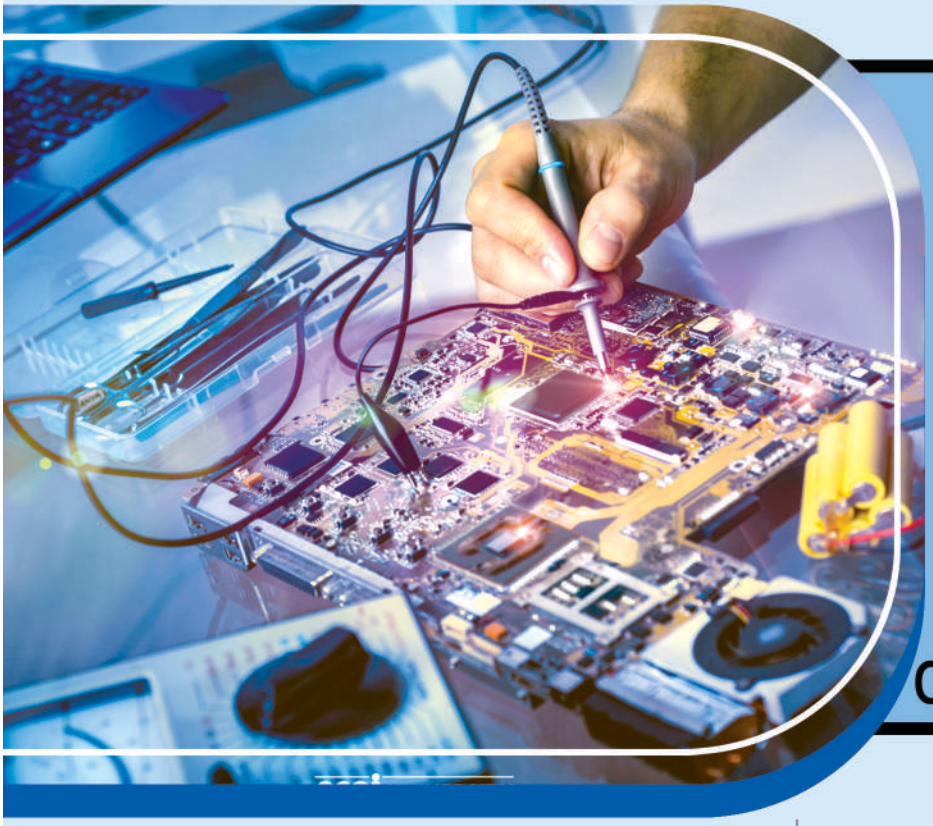
VISWAJYOTHI
COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University



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.

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 endeavours, 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 electronoics automotive health care and manufacturing. Today the industry requires electronics engineers with expertise in embedded systems, micro controllers ,IoT and wireless technologies. To excel in your field continous 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

➲ **Ms. Vinija Kurian**

NPTEL-AICTE FDP on Introduction to Machine Learning (Jul-Sep 2022)

➲ PROGRAM ORGANIZED BY THE DEPARTMENT

1. A workshop on Advanced Arduino Programming for S7 ECE students was conducted by Rabbitsquare from Nov 28th to Dec 1st 2022.

2. HANDS ON WORKSHOP ELECTRONIC PRODUCT BUILDING

Department of Electronics and Communication Engineering organized a two - day hands on workshop on Electronic Product Building, respectively on 12th and 13th October, 2022. The workshop focused mainly on electronic product building, robotics and control and embedded systems. Opening remarks and introduction of the programme was given by Mr. Antu Dominic. He revised the basic terms of Electronics like Pulse Width Modulation, Source, Sink, Potential, Current rating, Reliability, Resistor, Capacitor, Inductor, Potentiometer etc. and their applications. The trainer explained the significance of PCB design and steps in the design process. All the students practiced Diptrace software that is used for electrical circuit design. The students grouped into batch of five, have exposed to hands on training on various steps in the circuit preparation. The programme wrapped up around by 4.30 PM.

3. A 3 day workshop titled "Workshop on Atmega 328 Microcontroller" was conducted for S5 ECE students during 26.10.22 to 28.1022 by Rabbit Square.

ECE ASSOCIATION

'ZEALOUS'

ZEALOUS is the association of the Electronics and Communication Engineering Department. It plays a vital role in moulding Electronics Engineers with professional competence and global outlook. Technical Quiz, Technical Talks, Group Discussions, Hands-On-Workshops etc. are conducted for enriching the knowledge of Electronics Engineers in various core fields. The successful students in Academics, Technical/Managerial areas, Sports, Cultural Programs are honoured on this day.

A mini placement cell is running as a part of the Department to enhance the placement of students in the core field. ZEALOUS is run by the student coordinators under the guidance of faculty members from the Department.

ECE Association, Zealous for the year 2022-'23 was inaugurated By Dr. Neelakantan P. C, Principal of Muthoot Institute of Technology and Science (MITS) on 19th December, 2022. Based on the current scenario, he delivered a Technical Talk on the topic "The Transistor at 75 - Past, Present and the Future". The inauguration ceremony was highlighted with technical quiz, organized by the Quiz and Debate Club of ECE department, followed by the musical program of our students.

- An Inter Departmental Technical Quiz Competition was organized by the Quiz & Debate Club of ECE Dept on December 19th 2022 in the Main Auditorium. Ms. Maria Reena Roy and Ms. Sandra Santy of S7 ECE B were the Quiz Masters. The chief Guest Dr. Neelakantan P. C., Principal, Muthoot Institute of Technology & Science also joined for asking questions. The Winners were

  1st Prize: Anil Biju and Dion Abraham Jordy of S7CS B,

  2nd Prize: Dewlin M Joshy, Mishal Saji, S5 EC

  3rd Prize: Imran Khan, Akshay Sankar P., S7 EC B

- An Alumni talk on "Realize your potential and achieve more" was conducted on 29/10/2023 for S1 ECE students.The talk was delivered by Mr Varghese Benny CEO Rabbits Square.

IETE

- Technical talk on 'Introduction to HFSS' by Dr. Melvin C Jose, Associate Professor, Dept. Of AD for S7 ECE students, conducted by IETE on 16th Dec. 2022

INDUSTRIAL VISITS

- A team of 40 students of S7 EC B and 2 Faculty-Dr. Cyriac M Odackal and Mrs. Merlin Thomas visited. JVS Electronics Pvt Ltd on Dt: 23.06.2022, along with Banglore and Hampi.

STUDENTS ACHIEVEMENTS

- Mr. Basil Benny, S7 EC B shared his knowledge as a resource person in ARDUINO-HANDS on Training Workshop on 27th July which was organized by IEDC, in association with IIIC at VJCET. Mr. Joe P.B and Mr. Ashik George of S7 EC B also assisted him

PLACEMENTS

- Our students are placed in leading companies like Experion , TCS, Ernst & Young etc. Till December 2022, 31 students got 40 offers from various companies

ACADEMIC EXCELLENCE
Proficiency Prize

Sandra Santy
S7 ECE

Sarah Johnson
S3 ECE