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# ECE HERALD

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## VISION

To produce professionally competent, ethically sound and socially responsible Electronics and Communication Engineers.

## MISSION

M1: Provide excellent infrastructure and lab facilities for quality education.

M2: Promote industry-academic interactions to keep up with technological advancements.

M3: Develop interpersonal skills and social responsibility among students through project-based and team-based learning.

## PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Exemplify technical competence in designing, analyzing, testing and fabricating electronic circuits.

Acquire leadership qualities, rapport, communication skills in the organization and adapt to changing professional and societal needs.

Work effectively as individuals and as team members in multidisciplinary projects

## PROGRAM SPECIFIC OUTCOMES (PSOs)

Define design implement model and test electronic circuits and systems that perform signal processing functions.

Segregate and select appropriate technologies for implementation of a modern communication system.

## PROGRAM OUTCOMES (POs)

**Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural, societal, and environmental considerations.

**Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make

**Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## EVENTS

### **EXPERT TALK ON MOBILE COMMUNICATION AND ITS FUTURE**

The expert talk was organized by the Department of Electronics and Communication Engineering for the B.Tech S4 & S6 students of the department. The session was handled by Dr. D. Anto Sahaya Dhas (Professor and HoD, Vimal Jyothi Engineering College).



### **SKILL DEVELOPMENT SESSIONS**

#### **SUCCESS STRIDE : IT INDUSTRY AND OPPORTUNITIES**

Interaction with Ms. Anagha Harikrishnan, Cyber Security Analyst Wipro (Alumni 2022 ,CSE) aims to bridge the gap between Industrial expectations and Institutional inputs. This event help students expand their professional networks, gain valuable contacts, and learn about potential job openings.

#### **GATE EXAM PREPERATION**

The Training and Placement Department in association with Know up Knowledge Foundation.organized an online session on 24Feb, 2023. The session helped to understand all the subjects in the GATE Exam & their respective weightages the session focused on the details of cligibility.syllabus, important dates, and PSU job opporumnities. They highlighted the wide range of roads to travel to the final career destination with a successful attempt in GATE.

#### **CAREER OPPORTUNITIES THROUGH GATE**

The Training and Placement Department in association with CGP Career Avenues, organized an online session on Dec, 2022 to brief about the Career Opportunities through GATE. They explained about the hiring process where Public Sector Undertakings shortlist engineering graduates based on their valid GATE score. They stressed on the point “GATE score is used as the primary screening criterion.” Session gave an overall idea about the IOCL, NTPC, ONGC. GAIL, HPCL, SAIL, BARC, and PGCI, and their High salary package, Job stability, Giovernment allowances and the Medical, housing, and retirment benefits. They also highlighted the Recruitment Opportunities in Group A Level Posts in Central Government after GATE

## **PSC EXAM PREPARATION**

The Training and Placement Department in association with CGP Career Avenues, organised an online session on 28 Nov, 2022. They informed the students that the exam pattern, including the types of questions, marking scheme, and syllabus, is crucial for formulating an effective preparation strategy. They also explained about the job stability, good salaries, and many benefits.

## **STAFF ACHIEVEMENTS**

### **FACULTY DEVELOPMENT PROGRAMS**

- ◆ Ms. Arsha C Dinesh, Ms. Sreetha Sreedhar K, Mr. Nivin V K & Mr. Manu Thomas attended a 3-Day FDP on Practical Aspects of Communication Engineering with Hands – on, organized by ECE Department, VAST.
- ◆ Ms. Arsha C Dinesh & Ms. Athira V attended a 5-Day FDP on Opportunities of Power electronics in Smart grid, renewable energy resources and electric vehicles, organized by EEE Department, SCMS Ernakulum.

### **PLACEMENTS**



Ashweetha Shajeev C  
(GICE)



Roshni Mala T M  
(Planet Spark)

**"ELECTRONICS WAS SOMETHING I COULD  
ALWAYS FALL BACK ON WHEN I NEEDED  
FOOD ON THE TABLE"**

**- STEVE JOBS**

# **EDITORIAL TEAM**

**STAFF COORDINATOR:  
MS. ANN MARY GEORGE**

**STUDENT COORDINATORS:  
ANASWAR SURENDRAN [S6 ECE],  
FATHIMATHU SAFA [S6 ECE],  
ANUSREE K [S8 ECE], VYSHNAV C [S8 ECE]**

