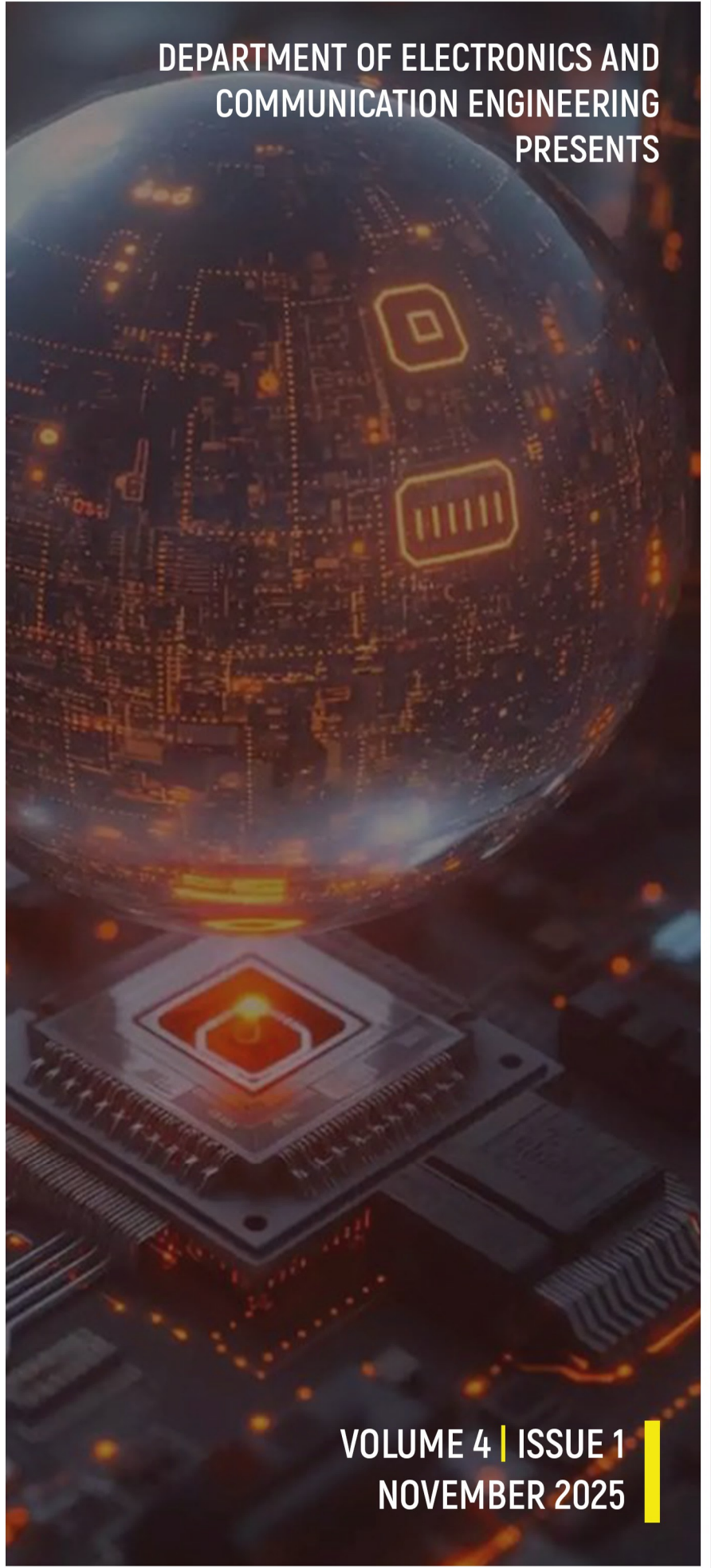


# ECE HERALD

DEPARTMENT OF ELECTRONICS AND  
COMMUNICATION ENGINEERING  
PRESENTS



VOLUME 4 | ISSUE 1  
NOVEMBER 2025

WHERE CREATIVITY MEETS TECHNOLOGY

## VISION

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

## MISSION

- ◆ Provide excellent infrastructure and lab facilities for quality education.
- ◆ Promote industry-academic interactions to keep up with technological advancements.
- ◆ 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.

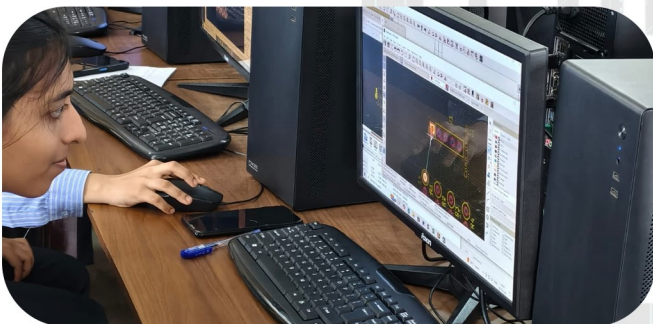
## PROGRAM OUTCOMES (POs)

- ◆ **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 effective presentations, and give and receive clear instructions.
- ◆ **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

## KICKSTART YOUR PCB DESIGN JOURNEY WITH KICAD

◆ A PCB Design Workshop using KiCad was conducted on 12/07/2025 for S3 ECE students to help them learn the basics of designing printed circuit boards. The session gave students hands-on experience and showed how to apply their knowledge in projects and practical work. The event coordinated by Asst. Prof. Sreetha Sreedhar K, was organized in collaboration with Thinkfotech under an Industry-on-Campus MoU, providing useful industry exposure.



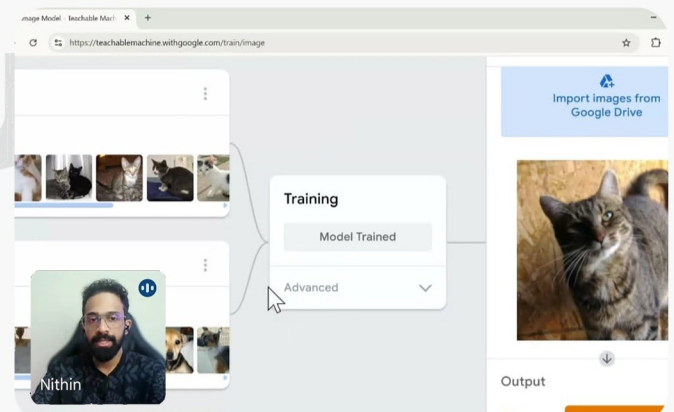
## CONVOCATION CEREMONY 2023

◆ On July 26, 2025, St. Thomas College of Engineering and Technology hosted the Convocation Ceremony for the 2021-2025 batch. Chief Guest Dr. Manoj Samuel, Executive Director of Center for Water Resource Development and Development, delivered an inspiring inaugural address. K Sana Fathima was recognized as the department topper during the event, and graduates were awarded their degrees, celebrating their academic achievements with family and faculty.



## EXPERT TALK ON AI MEETS ECE: TRANSFORMING ELECTRONICS AND COMMUNICATION ENGINEERING

◆ On August 2, 2025, the Department of Electronics and Communication Engineering organized an expert talk titled "AI Meets ECE: Transforming Electronics and Communication Engineering." The session was led by Dr. Nithin G., Founder and CEO of Logicbox Innovations, who provided an insightful overview of the ways artificial intelligence is revolutionizing the field of electronics and communication. The talk offered participants a deeper understanding of emerging AI-driven advancements and their impact on modern ECE applications.



## **SESSION ON LINKEDIN OPTIMISATION AND RESUME BUILDING**

◆ On August 14, 2025, the Department of ECE conducted a session on “LinkedIn Optimisation and Resume Building” in association with TransEduverse and Impulse. The session was led by Mr. Vyasan J, Freelance Data Engineering Technical Trainer, Solopreneur, and Angel Investor, who guided students on creating impactful LinkedIn profiles and crafting strong resumes to enhance career prospects.



## **ALUMNI TALK ON “CAREER OPPORTUNITIES AND INTERVIEW PROCESS IN VVDN TECHNOLOGIES”**

◆ On August 23, 2025, the Training and Placement Department, in association with IMPULSE, organized an alumni talk on “Career Opportunities and Interview Process in VVDN Technologies.” The session was led by Mr. Abhijith V and Ms. Haritha K. K, alumni of the 2018–2022 ECE batch and engineers at VVDN Technologies. They shared their experiences, explained the recruitment process, and guided students on career opportunities in the industry.



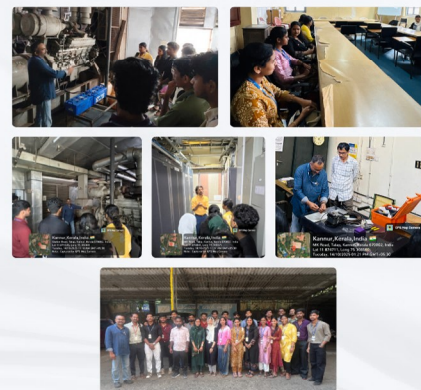
## **TWO DAY WORKSHOP ON EMBEDDED SYSTEMS AND IOT**

◆ The Department of ECE, in collaboration with Impulse, IEDC STM, and Thinkfotech Innovations, organized a two-day workshop on Advanced Embedded Systems and IoT for S5 ECE students on September 25–26, 2025. Led by Mr. Kathiru Santhikumar, CEO of Thinkfotech Innovations, the sessions provided valuable hands-on experience and industry insights. The event was coordinated by Mrs. Athira V, Assistant Professor, ECE.



## **INDUSTRIAL VISIT AT BSNL KANNUR**

◆ On October 14, 2025, the S7 ECE students visited the BSNL office, Kannur, as part of their industrial visit. During the visit, students gained valuable insights into the functioning of BSNL, explored its operational facilities, and learned about the various technologies and services implemented in the organization.





## As part of SPACIFY 2k25 the following events were organised by the Department of Electronics and Communication Engineering

### **ASTROPHOTOGRAPHY:**

◆ Participants beautifully captured the wonders of the universe — from twinkling stars and radiant planets to the serene magic of the night sky. A total of 10 students took part in the competition, with the submission deadline set for August 8, 2025.

### **PAINTING COMPETITION:**

◆ The paintings depicted friendly aliens arriving in Kerala, making friends with locals, exploring nature, and celebrating the state's beauty in a unique cosmic way. The artwork was to be created on A4-sized paper, and participants were free to use any medium they preferred, including watercolor, pencil, or others. The time limit for completing the artwork was 45 minutes.



### **POSTER DESIGNING COMPETITION:**

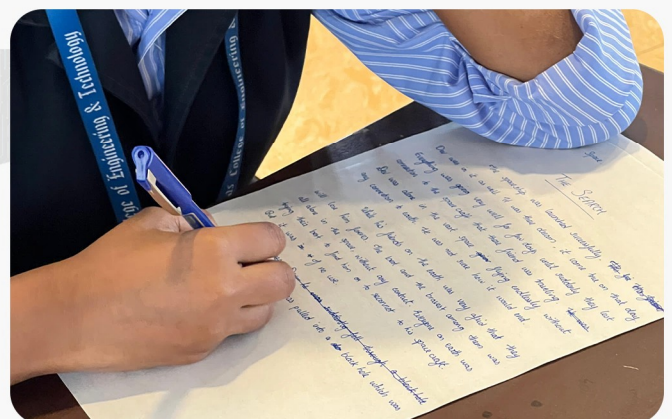
◆ Participants created visual narratives depicting "Space Tourism", illustrating how space could become the next tourist destination, complete with rockets, space hotels, and cosmic sightseeing. A total of 11 students took

part in this competition. They had 45 minutes to complete their artwork.



### **STORY WRITING COMPETITION:**

◆ The topic for the Story Writing competition was "Lost in Space" with 10 students registering for the event. Participants crafted imaginative journeys of being stranded in space, battling challenges, and discovering wonders beyond Earth. The competition was intense, with many creative and engaging narratives.



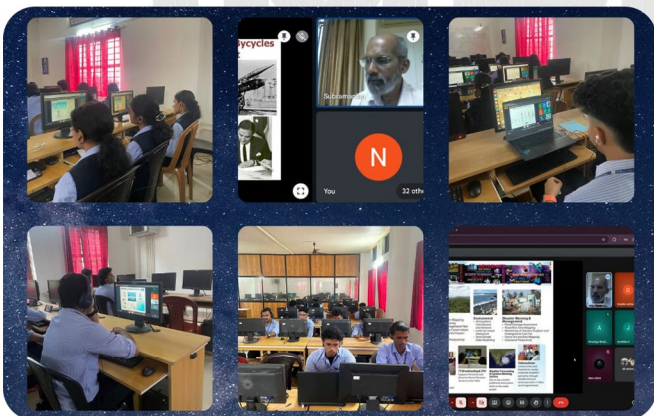
**QUIZ:**

◆ Students eagerly took part in an exciting, fast-paced quiz that tested their knowledge of the universe and India's proud achievements in space exploration. Centered around the theme "Stellar Minds – A Journey Through Space Facts," the event brought together 15 enthusiastic participants who showcased their curiosity.



**SEMINAR ON AEROSPACE MECHANISM – CHANDRAYAN 3 AND BEYOND:**

◆ The seminar, attended by 31 participants, focused on the Chandrayaan-3 mission's engineering design, landing systems, and strategies. The speaker, Sri Subramanian U A (Former Outstanding Scientist, VSSC, ISRO & Professor of Practise, IIST, ISRO), also highlighted India's future lunar and interplanetary mission plans.



**WINNERS**





IGNITE 2025

# IGNITE 2K25



# DEPARTMENT TOPPERS

## S8



**K Sana Fathima**



**Erin Ruksheed**



**Sheik Muhd.  
Sahad**



**Abhay Rithik**

## S6



**Marjana T**



**Amshiga Ranjith**



**Navaneeth  
Narayanan**



**Krishnendhu  
S Nair**

## S4



**Muhd. Mishal P**



**Samanyu N Jils**



**Muhd. Yasir A C**



**Diya A P**

# ACHIEVEMENTS

## STAFF ACHIEVEMENTS

- ◆ Dr. Anetha Mary Soman successfully completed a five-day Short Term Training Programme (STTP) on “Coding Techniques for 5G and Beyond” organized by the Department of Electronics and Communication Engineering, National Institute of Technology, Calicut, from June 30 to July 4, 2025.
- ◆ Dr. Anetha Mary Soman received a Certificate of Appreciation for achieving certification in the SWAYAM course on Accreditation System and Ranking Framework.
- ◆ Mr. Nithin C attended a three-day Advanced Drone Technology (Air Taxi) Workshop conducted by Bharath Space Education Research Centre under ISTEM to support the vision of VIKASIT BHARATH @2047 from August 15 to 17, 2025.

## STUDENT ACHIEVEMENTS

- ◆ Muhammed Fazil K V and Sreethul Rajeev P of 2022-26 batch attended a three-day Advanced Drone Technology (Air Taxi) Workshop conducted by Bharath Space Education Research Centre under ISTEM to support the vision of VIKASIT BHARATH @2047 from August 15 to 17, 2025.
- ◆ Alen M of 2023-27 batch was selected as the Volunteer Secretary of college NSS Unit for the year 2025-26.
- ◆ Navaneeth Narayanan, Sourav K K, Harshik Hareendran, Adithyan O M, Anandhu K and Aman Bharath of ECE attended RENAISSANCE 6.0 conducted by IEEE KS and IEEE LINK in association with IEEE SB MITS on July 19, 2025.

- ◆ Navaneeth Narayanan of S7 ECE served as the Student Lead for e-KITES 3.0, organized by IEEE EdSoc Kerala Chapter in collaboration with IEEE SB ASET at Ahalia School of Engineering and Technology, Palakkad, on October 4–5, 2025.

### SMASHING SUCCESS

- ◆ The College Volleyball Team secured Third Place in the Intercollege Volleyball Championship.



- ◆ Abhinav Anil was selected to represent the FZone Team in the KTU Interzonal Volleyball Tournament.



**Abhinav Anil**

### SAIL TO VICTORY

◆ S5 ECE students Akshay, Mishal, Samanyu, Akarsh, and Alen secured Second Place, and Jobin, Abhinav, Abhimanyu, Yasir, and Thejus secured Third Place in the Pre-Event Workshop on RC Boat Design and Navigation held at UKFCET, Kollam, as a precursor to RPL 2.0, scheduled for October 2025.



### NPTEL ACHIEVEMENT

◆ Marjana T of 2022-26 batch has successfully completed NPTEL course on Python for Data Science.



**Marjana T**

# IMPULSE

## EDITORIAL TEAM

**Mrs. Athira V** (Asst. Prof)

**Krishnendu S Nair** (S7 ECE)

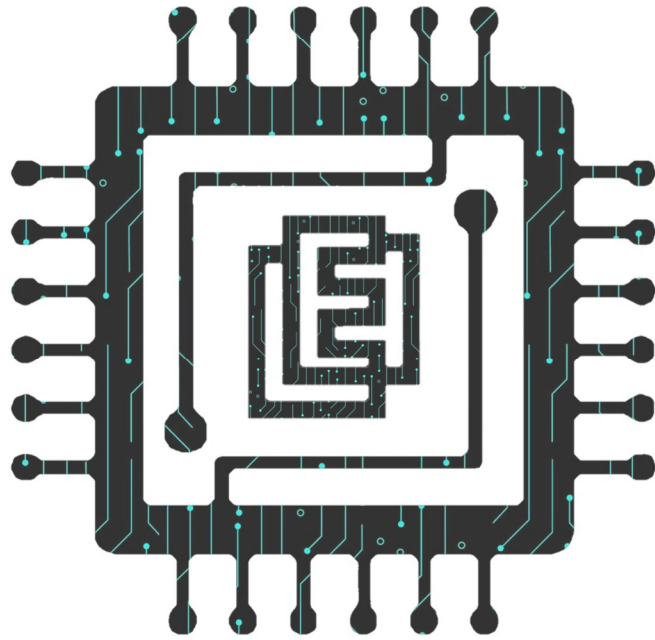
**Navaneeth Narayanan** (S7 ECE)

**Akshay Vinod** (S5 ECE)

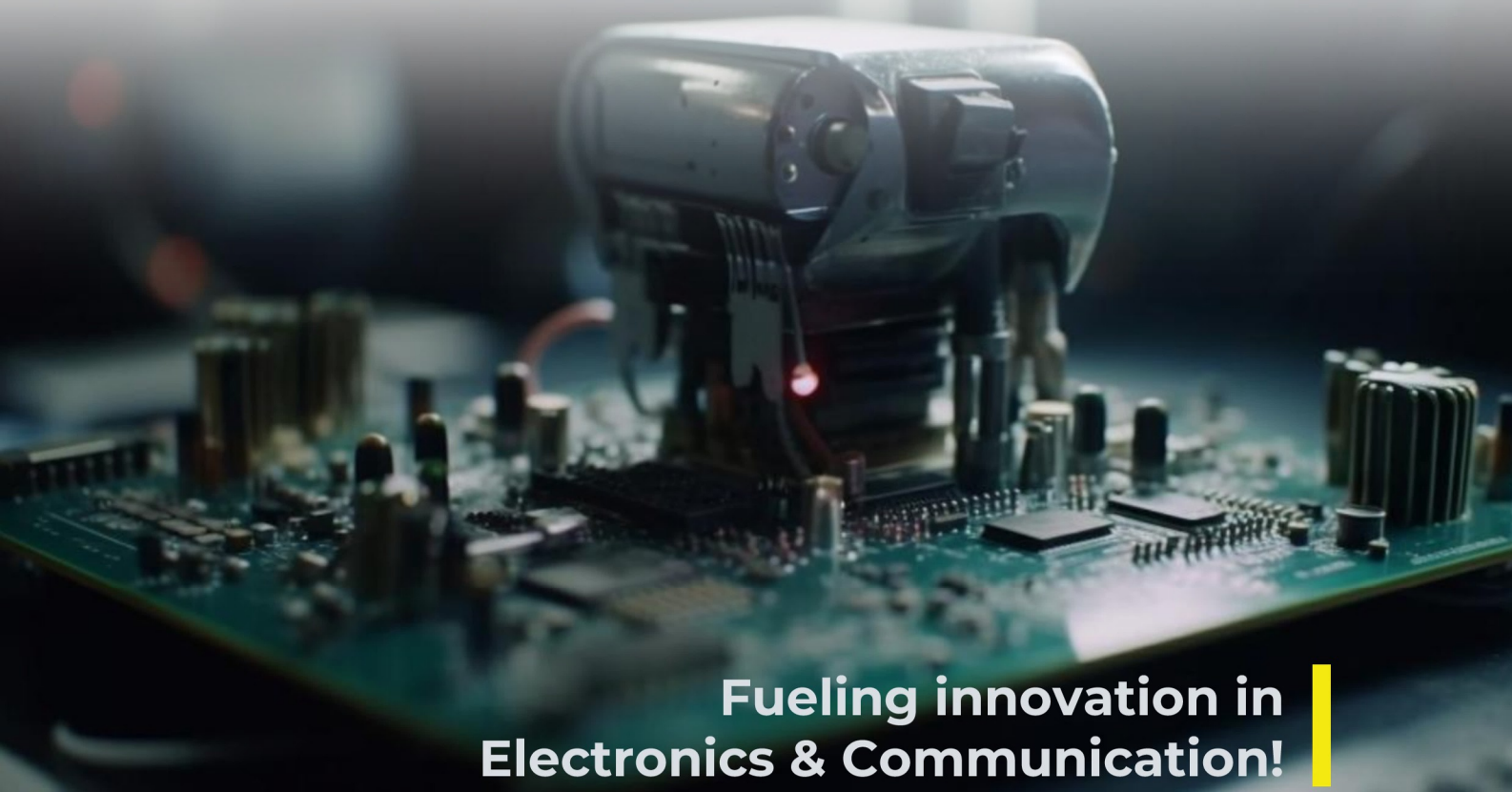
**Diya A P** (S5 ECE)

ECE  
HERALD

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**IMPULSE**



**Fueling innovation in  
Electronics & Communication!**