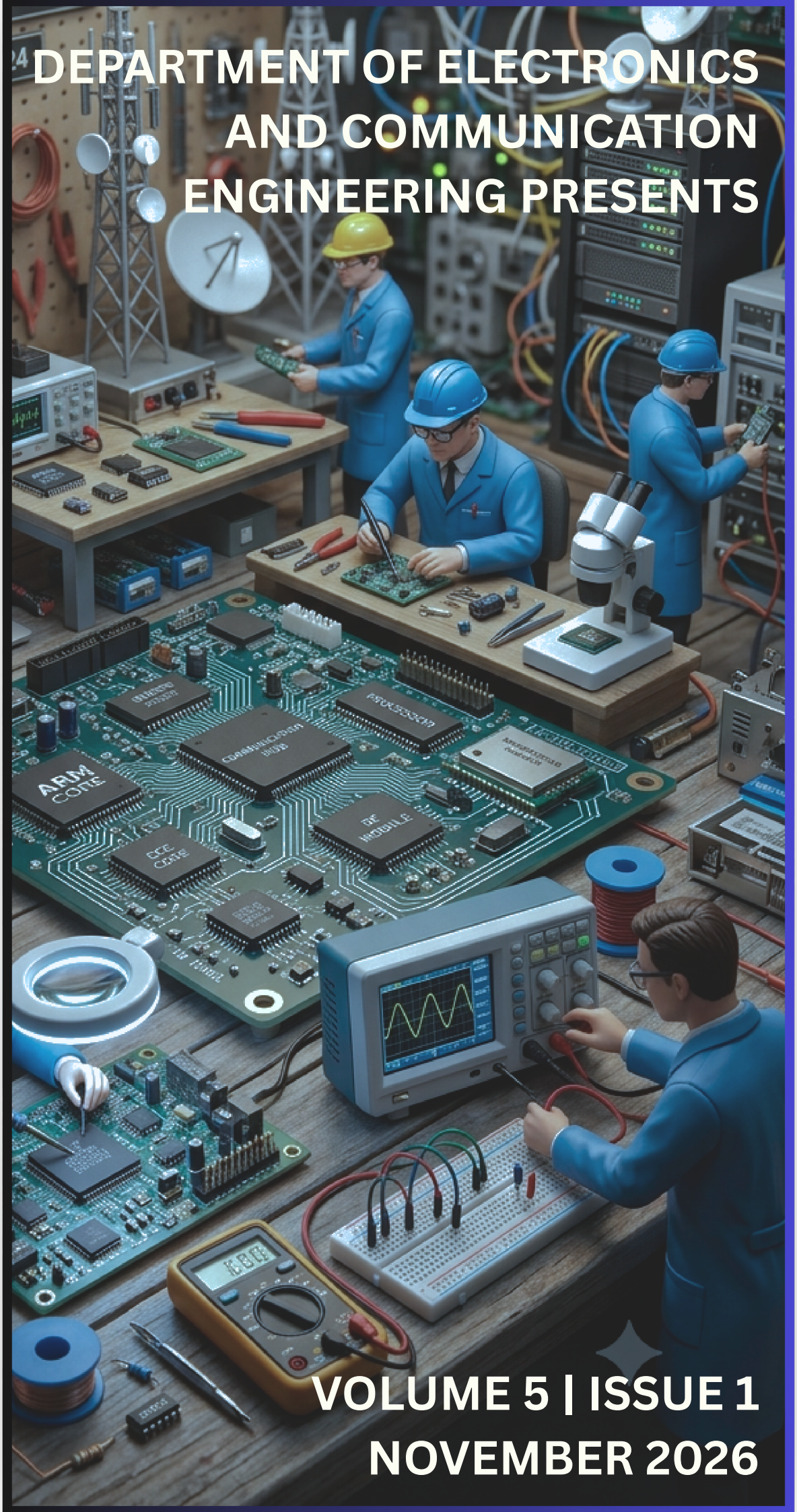
ECE HERALD

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING PRESENTS



VOLUME 5 | ISSUE 1
NOVEMBER 2026



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.

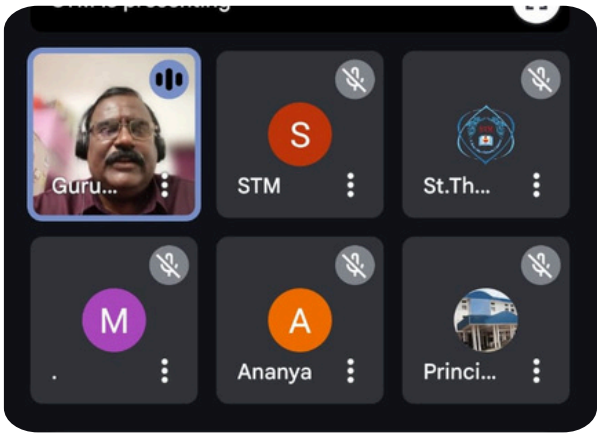
PROGRAM OUTCOMES (POs)

- **Engineering Knowledge:** Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.
- **Problem Analysis:** Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4)
- **Design/Development of Solutions:** Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5)
- **Conduct Investigations of Complex Problems:** Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).
- **Engineering Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6).
- **The Engineer and The World:** Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).
- **Ethics:** Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9).
- **Individual and Collaborative Team work:** Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.
- **Communication:** Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences.
- **Project Management and Finance:** Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.
- **Life-Long Learning:** Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8)

EVENTS

EXPERT TALK ON SPACE TECHNOLOGY

An online expert talk on "Evolution of Launch Vehicles by ISRO, especially GSLV Mk-III, and Human Space Flight" was conducted on August 14th. The session was led by **Shri D.R. Gurunath, Former Associate Project Director at VSSC, ISRO,** who shared his expertise on India's space missions and advancements in launch vehicle technology. The event was coordinated by Asst. Prof. Rinija G. N.



HANDS-ON WORKSHOP: PCB DESIGN WITH KICAD

A hands-on workshop titled "Kickstart Your PCB Design Journey with KiCad" was conducted on September 8, 2026, at the Simulation Lab. Organized in association with Thinkfotech and IMPULSE, the session was led by **Mr. Kathiru Santhikumar, CEO of Thinkfotech.** Participants gained practical exposure to schematic capture and PCB layout design using KiCad. The workshop was coordinated by Asst. Prof. Manu Thomas.



EXPERT SESSION: ENGINEERING INNOVATION TO ENTREPRENEURSHIP

An expert talk on "Engineering Innovation to Entrepreneurship" was organized with IEDC STM for S7 students on October 6, 2026. Led by **Mr. Akhil Raj (CEO, Aimy Luminaries India Pvt. Ltd.)** and coordinated by Asst. Prof. Athira V, the session guided students on turning technical ideas into viable business ventures.



EVENTS

TWO-DAY WORKSHOP: MASTERING ANTENNA DESIGN & SIMULATION WITH HFSS

A two-day workshop on "Mastering Antenna Design & Simulation with HFSS" was conducted on October 15, 2026, at the Simulation Lab. Led by **Mr. Binesh K, Assistant Professor at College of Engineering Thalassery,** the session provided hands-on training in antenna modeling and simulation. The event was coordinated by Asst. Prof. Athira V.



OBSTACLEX: ROBOTIC COMPETITION

"ObstacleX", a robotic competition organized in association with IMPULSE and IIC STM, was held on October 13, 2026, at the Simulation Lab. The event saw active participation from 11 teams who designed, built, and navigated robots through challenging tracks, showcasing their technical skills and creativity. The event was coodinated by Asst. Prof. Manu Thomas.



ONE-DAY WORKSHOP: MATLAB FUNDAMENTALS AND COMPUTATIONAL TECHNIQUES

A one-day workshop on "MATLAB Fundamentals and Computational Techniques" was held for S5 students on October 26, 2026, at the Simulation Lab. Led by **Dr. A. Ranjith Ram (Professor, GCE Kannur)**, the session was coordinated by Asst.Prof. Sreetha Sreedhar K.

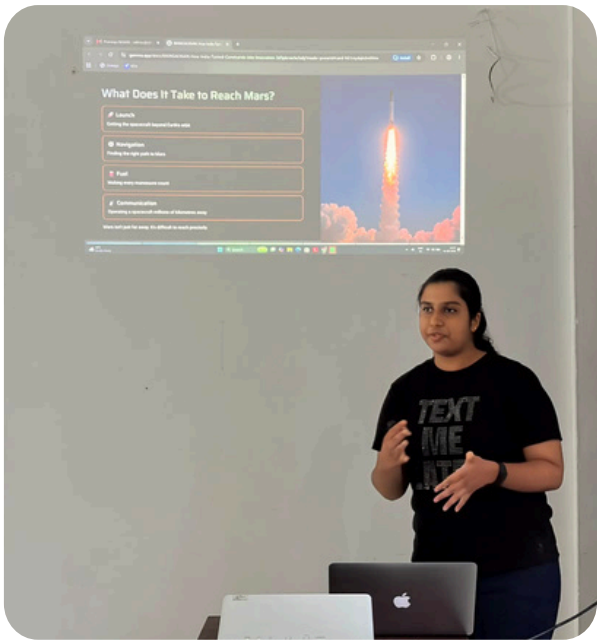


SPACIFY 2K26

As part of SPACIFY 2K26 (Space Fest organized as part of National Space Day Celebrations, NSpD-2026) from August 10–14, 2026, the following events were organized by the Department of ECE in association with the Department of ASH.

ORBIT TO DECK: THE AI SPACE PRESENTATION CHALLENGE

Participants utilized AI tools to design and deliver presentations exploring concepts in space science and technology.



BEYOND THE HORIZON: SPACE-THEMED MOVIE REVIEW CONTEST

A creative writing contest challenging students to critically analyze and review science fiction and space-themed cinema.

SPACE QUEST: SPACE THEMED QUIZ COMPETITION

An interactive quiz testing participants' knowledge of astronomy, space exploration milestones, and astrophysics.



SPACE-THEMED POSTER MAKING

A visual design competition where students illustrated themes related to space missions, cosmic discoveries, and future exploration.



SPACIFY 2K26

ASTROPHOTOGRAPHY

The contest successfully showcased student-captured images of celestial bodies, night skies, and astronomical phenomena.

PAINTING COMPETITION

The painting competition brought together budding artists who vividly depicted space exploration and cosmic landscapes on canvas.



SCIENCE FICTION: SHORT STORY

A creative writing competition encouraging students to craft original short stories centered around space travel and futuristic science.





WINNERS



National Space Day
NSpD-2026

CERTIFICATE
of Participation

It is hereby certified that **St. Thomas College of Engineering and Technology Kannur** has participated actively in the **National Space Day - 2026** celebrations organised by Indian Space Research Organisation (ISRO) by conducting events/competitions at their campus and locality. We sincerely appreciate the dedication, hardwork and enthusiasm of your institution in making the celebrations a resounding success.

Chairperson
Events at Schools and Colleges

Chairperson
Zonal Organising Committee

CONVOCATION CEREMONY

The graduation of the 2022–26 batch was proudly celebrated at the Convocation Ceremony held on July 25, 2026. The event was graced by the esteemed presence of Chief Guest **Dr. Jayaprakash P, Director, Directorate of Technical Education (DTE), Government of Kerala.** As a proud highlight, **Navaneeth Narayanan** from the Department of ECE was honored as the **Best Outgoing Student** of the batch, while department toppers **Marjana T, Amshiga Ranjith, and Anujith K** received special felicitations for their academic excellence.











IGNITE 2K26

Our annual sports festival, **IGNITE 2K26**, was successfully conducted with the College Games from September 22–25, 2026, followed by the Annual Athletics Meet on October 1, 2026.



















THAGA DHIMI-2K26

Our Onam celebration, **Thaga Dhimi 2K26**, was celebrated on August 21, 2026, bringing students and faculty together in festive spirit.





















ACHIEVEMENTS

STUDENT ACHIEVEMENTS

NPTEL CERTIFICATION



Agna Arun from the 2023–27 Batch has successfully completed the NPTEL Online Certification course in **Sustainable Energy Technology** during the July–October 2026 session.

POWER QUIZ 2026



Souganth N. of 2024-28 batch secured fourth place in the **Power Quiz 2026** Preliminary Level Competition, organized by the KSEB Officers Association and conducted at STM.

Best Player at Operation Thoofan Football Tournament



Yadunand Ramesh of the 2024–28 Batch clinched the Best Player title at the **Anti-Drug Awareness Football Tournament** organized under Operation Thoofan at Sivapuram Higher Secondary School.

IGNITE 2K26 ACHIEVEMENTS

2025-29 BATCH

- Discus Throw (Women): Ranika P — 1st Place
- 400 m (Women): Ananya S Nambiar — 1st Place
- Kabaddi: Muhammed Finoobin K — 2nd Place
- Women's Badminton Doubles: Anam Fathima C K — 2nd Place
- 3000 m (Women): Ananya S Nambiar — 3rd Place

ACHIEVEMENTS

IGNITE 2K26 ACHIEVEMENTS

2024-28 BATCH

- Javelin Throw (Men): Yadunand Ramesh — 1st Place; Adish Uthaman — 3rd Place
- Javelin Throw (Women): Athulya Gireesh C K — 3rd Place
- Cricket: Amarnath Manoj — 1st Place
- Women's Relay: Athulya Gireesh C K — 1st Place
- Men's Badminton Singles: Gokul P — 2nd Place
- Men's Badminton Doubles: Yadunand Ramesh — 3rd Place
- Football: Mohammed Ayan PK, Yadunand Ramesh- 3rd place

2023-27 BATCH

- Football: Abhimanyu K Vinayan, Muhammed Yasir AC, Yadhukrishnan M — 1st Place
- Badminton Doubles: Alen M — 1st Place
- Kabaddi: Alen M — 1st Place
- Volleyball: Abhimanyu K Vinayan, Abhinav Anil, Akarsh K P, Akshay Vinod, Yadhukrishnan M, Jobin Raj M — 2nd Place
- Cricket: Akshay Vinod- 2nd place

STAFF ACHIEVEMENTS

- Mr. Nithin C, Ms. Arya C and Mr. Manu Thomas successfully completed the **One-Day Artificial Intelligence Workshop** organized by the Bharat Space Education Research Centre on August 23, 2026, as part of the National Space Day and Def-Space Innovation Week celebrations
- Mr. Nithin C. successfully completed the Def-Space Autumn Internship Programme 2026 on **Defence and Space Technologies,** organized by the Bharat Space Education Research Centre.
- Ms. Nirnaya E. K. and Ms. Rinija G. N. participated in the Six-Day National Level Faculty Development Programme on "**Research Excellence in Higher Education: From Intellectual Property to High-Impact Publications,**" organized by the Research and Development Cell, Nehru College of Engineering & Research Centre (Autonomous), Thrissur, from July 27 to August 1, 2026.

BEYOND THE CLASSROOM: ECE INDUSTRIAL VISITS

- KELTRON Complex, Kannur (Aug 19, 2026): S5 ECE (2024–28 Batch) students gained practical exposure to real-world industrial operations and advanced technologies through the **KELTRON Industry Connect programme.**



- Students of S7 ECE (2023–27 Batch) visited **Metaqode Technologies** on September 28, 2026, gaining hands-on exposure to modern software workflows, tech stacks, and live project deployment practices.









POST-INDUSTRIAL VISIT: MOMENTS OF TOGETHERNESS

To unwind after the industrial sessions, ECE students embarked on a memorable excursion covering Hampi, Dandeli, and Goa. Blending heritage, adventure, and leisure, the journey allowed students to explore Hampi's historic monuments, experience the thrilling wilderness of Dandeli, and relax by Goa's vibrant coastline, fostering strong bonds and lasting memories.















PLACEMENT HIGHLIGHTS

SUTHERLAND



JOBIN RAJ M



MUHAMMED HANAN BIN SIRAJ



ALEN M



AKARSH KP



AKSHAY VINOD



MUHAMMED MISHAL P



AMEGHI PK



AGNA ARUN



DIYA AP



MUHAMMED YASIR A C



ABHIMANYU K VINAYAN

SUPER AUTO FORGE
Forging ahead into future since 1975



SAMANYU N JILS

EDITORIAL TEAM

Ms. Nirnaya E.K. (Assistant Professor)

Mr. Akshay Vinod (S7 ECE) **Mr. Akarsh K.P. (S7 ECE)**

ECE HERALD

ece_association_stm

IMPULSE

Fueling innovation in Electronics and Communication!

