



AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University

ISO 9001: 2015 Certified Institution | NBA accredited B.Tech. CSE & ECE programs (till 31-12-2028)

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TECH-TIDE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

BI-ANNUAL NEWSLETTER

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MESSAGE FROM PRINCIPAL



Dear Students, Faculty, and Esteemed Readers,

It gives me immense pleasure to present the June 2026 issue of TECH-TIDE, the bi-annual newsletter of the Department of Electronics and Communication Engineering, Ahalia School of Engineering and Technology.

In an era of rapid technological advancement, TECH-TIDE provides a vibrant platform to showcase the creativity, innovation, and achievements of our students and faculty. The initiatives featured in this issue reflect the department's commitment to academic excellence, research, and industry-oriented learning.

I sincerely appreciate the efforts of the editorial team, faculty, and students in bringing this publication to life. May TECH-TIDE continue to inspire young minds, encourage innovative thinking, and nurture future-ready engineers.

I wish the ECE Department continued success in its pursuit of excellence and technological advancement.

Dr. P. R. Suresh

Principal

Ahalia School of Engineering and Technology, Palakkad

MESSAGE FROM VICE PRINCIPAL



Dear Students, Faculty Members, and Readers,

I am delighted to extend my greetings to the readers of TECH-TIDE, the bi-annual newsletter of the Department of Electronics and Communication Engineering, for the June 2026 edition. This publication reflects the department's vibrant academic environment, innovative spirit, and commitment to excellence in technical education.

In an era of rapid technological transformation, Electronics and Communication Engineering continues to drive innovation and digital progress. TECH-TIDE provides a valuable platform to showcase the academic achievements, technical activities, research initiatives, and creative talents of our students and faculty.

I appreciate the department's efforts in fostering innovation, teamwork, critical thinking, and lifelong learning. My sincere congratulations to the editorial team, faculty coordinators, and students for their dedicated efforts in bringing out this edition.

I wish the ECE Department continued success in nurturing competent, innovative, and socially responsible engineers who will contribute meaningfully to technological advancement and societal progress.

With best wishes,

Dr. Krisha Kumar Kishor

Vice-Principal

Ahalia School of Engineering and Technology

MESSAGE FROM HOD



Dear Students, Faculty, Alumni, and Well-Wishers,

It gives me immense pleasure to present the June 2026 edition of TECH-TIDE, the bi-annual newsletter of the Department of Electronics and Communication Engineering, Ahalia School of Engineering and Technology.

In a world driven by rapid technological advancements, our department strives to foster innovation, technical excellence, and a spirit of continuous learning. TECH-TIDE reflects these aspirations by showcasing our students' achievements, technical projects, research initiatives, and the diverse academic activities of the department.

I sincerely appreciate the dedication of our faculty members, students, and editorial team in making this edition a platform for sharing knowledge, celebrating accomplishments, and inspiring new ideas. I encourage our students to explore emerging technologies, transform their skills into meaningful innovations, and become responsible engineers of tomorrow.

May TECH-TIDE continue to inspire creativity, strengthen collaboration, and reflect the department's journey towards excellence.

With best wishes,

Dr. Aneesh K

Head of the Department

Electronics and Communication Engineering

Ahalia School of Engineering and Technology, Palakkad

INSTITUTION VISION & MISSION

VISION

Grow as a center of learning and research, transforming students to professionals with knowledge, skill, competence, commitment, confidence through decisive learning and contribute to the sustainable development of the society.

MISSION

★ MISSION 1

To instill technical expertise in order to address current and emerging challenges in the quest for creating sustainable and high-quality livelihoods.

★ MISSION 2

To foster a culture of research, innovation, and entrepreneurship through determined learning.

★ MISSION 3

To promote an environment that supports the welfare of society through ethical and professional conduct

ABOUT ECE DEPARTMENT

The Department of Electronics and Communication Engineering (ECE) is a dynamic and innovative hub committed to excellence in teaching, research, and industry collaboration. Established with the vision to produce competent professionals, the department focuses on developing strong foundational knowledge and advanced technical skills in electronics, communication systems, embedded systems, VLSI design, IoT, and signal processing.

Our faculty comprises highly qualified educators and researchers who bring a wealth of academic and industry experience. The department offers undergraduate programs that blend rigorous theoretical instruction with hands-on practical training. State-of-the-art laboratories, modern research facilities, and industry-standard software tools support experiential learning and innovation.

We actively promote research, internships, and student participation in technical events and competitions. With regular guest lectures, industrial visits, and collaboration with leading companies, the department ensures students are industry-ready and equipped to face emerging global challenges in technology. Graduates from the ECE department are well-placed in top-tier companies, pursue higher studies at renowned institutions, and contribute significantly in areas such as telecommunications, robotics, AI, space technology, and consumer electronics.

DEPARTMENT VISION & MISSION

VISION

To provide quality education in Electronics and Communication Engineering through determined learning, promoting innovation and research, upholding professional ethics and contribute to sustainable societal progress

MISSION

★ MISSION 1

To provide a holistic technical education that empowers students with a robust foundation of theoretical expertise and practical skills in Electronics and Communication Engineering

★ MISSION 2

To foster lifelong learning, research and inspire entrepreneurship, empowering students to excel in their field of expertise.

★ MISSION 3

To nurture professional ethics, team work and leadership skills in students for their overall development and contribution to the society.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

- ✦ Apply the concepts of Electronics and Communication Engineering to provide solutions to the emerging problems in the society.
- ✦ To solve problems of social relevance applying the knowledge of ECE and pursue higher education.
- ✦ Work effectively as individuals and as team members in multidisciplinary projects
- ✦ Engage in lifelong learning, career enhancement and adapt to changing professional and societal needs.

PROGRAM SPECIFIC OUTCOMES (PSO)

- ✦ PSO 1: Develop electronics-based solutions for real-life challenges integrating entrepreneurship and sustainability
- ✦ PSO2: Uphold ethics and values in designing sustainable technologies while embracing lifelong learning for professional growth

INDUSTRIAL VISIT TO AHALIA DIABETES HOSPITAL

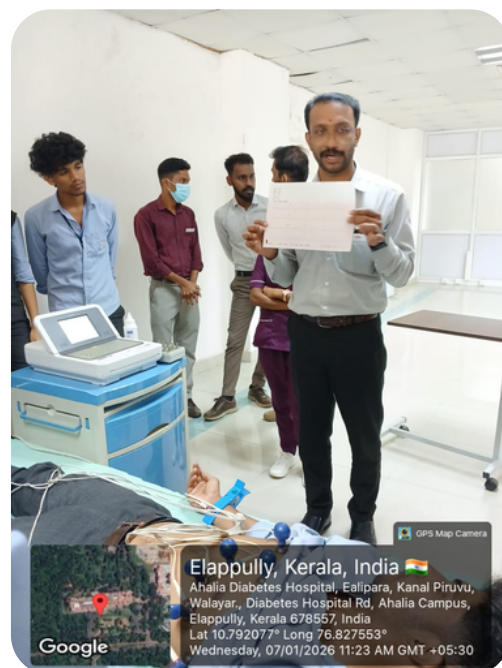
Industrial Visit

7th January 2026

41 S8 ECE students of Ahalia School of Engineering and Technology visited Ahalia Diabetes Hospital as part of the course ECT 414 – Biomedical Engineering. The visit provided valuable practical exposure to biomedical equipment and its applications in healthcare.

Mr. Niranjana R, Biomedical Engineer, explained the working principles of electrocardiography (ECG), electrode placement, and the role of ECG in diagnosing cardiac conditions. Mr. Pramod S, Assistant Nursing Superintendent, highlighted its clinical applications and the importance of patient care, while addressing the students' queries.

The students were accompanied by Mr. Vinod Kumar P, Assistant Professor, Department of ECE, who guided them in relating theoretical concepts to real-world medical applications. The visit enhanced their understanding of hospital instrumentation and the vital role of electronics engineering in modern healthcare.



JOB OPPORTUNITIES IN THE VLSI SEMICONDUCTOR INDUSTRY

Webinar

13 february 2026

The Department of Electronics and Communication Engineering, Ahalia School of Engineering and Technology, organized an online webinar on “Job Opportunities in the VLSI Semiconductor Industry” on 13 February 2026 for S6 ECE students. The session was conducted via Zoom Workplace, with 43 students participating.

Mr. Kamelsh Yadhav, Mentor at Takshila Institute of VLSI Technologies, delivered an insightful session on the growing semiconductor industry and its applications in artificial intelligence, IoT, communication systems, and automotive electronics. He discussed career opportunities, industry expectations, essential technical skills, salary trends, and the increasing demand for skilled VLSI professionals.

An interactive question-and-answer session provided students with valuable guidance on higher studies, certification courses, internships, and preparation strategies for entering the industry.

The webinar enhanced students’ awareness of emerging opportunities in the semiconductor sector and motivated them to pursue careers in core electronics and VLSI technology.



DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING

Webinar on
OPPORTUNITY IN THE
VLSI SEMI CONDUCTOR INDUSTRY

 **FEB**
13

 **11:30 AM**
TO
01:00 PM

 **PROGRAMMING**
LAB 3



MR. KAMELESH YADAV, MENTOR AT TAKSHILA
INSTITUTE OF VLSI TECHNOLOGIES

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INDUSTRIAL VISIT TO ITI LTD, PALAKKAD

Industrial Visit

21 February 2026

An industrial visit was organized on 21st February 2026 for the S6 ECE students to ITI Limited, Palakkad, with the objective of providing practical exposure to industrial operations and manufacturing processes in the telecommunications sector. A total of 49 students participated in the visit under the guidance of Mr. Sanish V.S., Assistant Professor, and Ms. Priyanka, Teaching Assistant. ITI Limited is a Government of India Public Sector Undertaking under the Ministry of Communications. The Palakkad unit specializes in the manufacturing and assembly of telecommunication equipment and electronic components. The organization plays a significant role in supporting India's telecom infrastructure. Upon arrival, students were welcomed by the company officials and given an introductory session about the history, functioning, and major projects of ITI Limited. Students were taken to various sections of the plant, including: Assembly units, Testing laboratories, Quality control departments. Engineers explained the working principles of telecom equipment, PCB assembly techniques, cable harnessing, and testing procedures.

The visit helped students to: Understand large-scale industrial production processes, Gain exposure to testing and quality assurance techniques, Learn about industrial safety measures and protocols, Enhance knowledge about telecom infrastructure and equipment, Develop awareness about career prospects in public sector industries.



APEX 2026 AHALIA PROJECT EXPO

Project Expo

28 February 2026

APEX 2026, the Ahalia Project Expo, was successfully organized by Ahalia School of Engineering and Technology (ASET), Palakkad on 28th February 2026 at Visveswaraya Hall. The event served as a platform for students to showcase their innovative project ideas, technical expertise, and problem-solving abilities. The expo encouraged students to apply theoretical knowledge to practical applications while fostering creativity, innovation, and interdisciplinary collaboration.

The inaugural ceremony of APEX 2026 was held at 9:30 AM at Visveswaraya Hall, ASET. Mr. Sanish V S, Program Coordinator, delivered the welcome address, emphasizing project-based learning and innovation. Dr. P. R. Suresh, Principal, ASET, delivered the presidential and inaugural address, encouraging students to develop innovative solutions to real-world challenges. Dr. Mathew B V, Head, Department of Civil Engineering, delivered the felicitation address, and Ms. Amrutha Devadasan, Assistant Professor, CSE, proposed the vote of thanks.

The project exhibition featured innovative student projects from various departments in areas including automation, smart technologies, sustainability, embedded systems, and software applications. Faculty members and evaluators assessed the projects based on innovation, technical merit, feasibility, presentation, and societal relevance.

The valedictory ceremony and award distribution were held at 3:00 PM at Visveswaraya Hall. Mr. Rohith M, Assistant Professor, Civil Engineering, delivered the welcome address, followed by the presidential address by Dr. Rajeev N, Dean Academics, ASET. Outstanding projects were recognized and awarded for their innovation and practical applications. Ms. Anisree P G, Assistant Professor, CSE, delivered the vote of thanks, marking the successful conclusion of APEX 2026.



NBA ACCREDITATION A MILESTONE FOR ECE

Accreditation

19 March 2026

The B.Tech. Electronics and Communication Engineering (ECE) programme at Ahalia School of Engineering & Technology has been successfully accredited by the National Board of Accreditation (NBA) until December 2028. This achievement reflects the department's commitment to quality technical education, outcome-based learning, and continuous improvement.

NBA accreditation signifies that the programme meets established standards in curriculum, teaching-learning processes, student outcomes, and academic infrastructure. It strengthens the credibility of the programme, enhances graduate employability, and encourages continuous academic and professional development.

This milestone is a testament to the collective efforts of the management, faculty, staff, and students. The ECE Department remains committed to nurturing competent, innovative, and industry-ready engineers.



ICASET 2026 INTERNATIONAL CONFERENCE ON ADVANCEMENTS IN SCIENCE, ENGINEERING & TECHNOLOGY

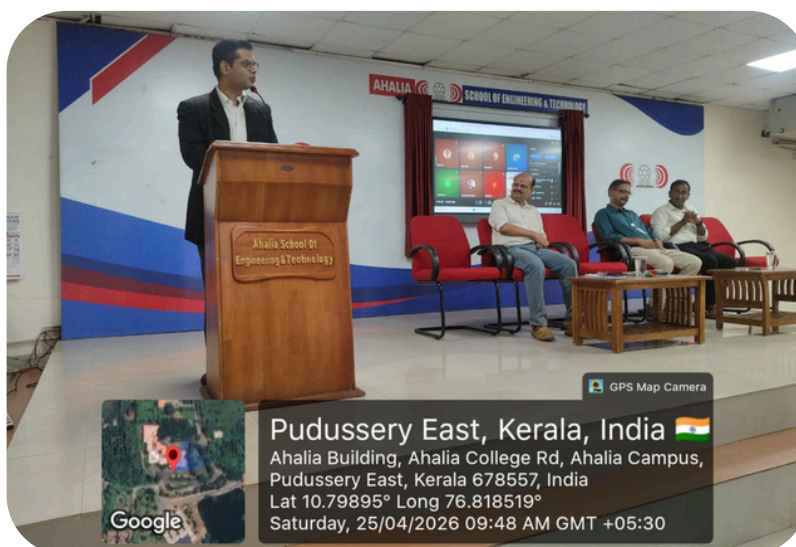
Conference

25 April 2026

The Department of Electronics and Communication Engineering (ECE), Ahalia School of Engineering and Technology, actively participated in the International Conference on Advancements in Science, Engineering & Technology (ICASET 2026), held on April 25–26, 2026. The conference provided an excellent platform for students and researchers to explore emerging technologies, exchange ideas, and gain insights into recent research developments.

A major highlight was the presentation of 15 research papers under the Electronics and Communication Engineering track, covering communication systems, embedded systems, signal processing, and emerging electronics technologies. Chaired by Dr. Sajitha A S, Associate Professor, Department of AI & DS, Jyothi Engineering College, Thrissur, the session encouraged technical discussions and knowledge sharing.

The active participation of ECE students in the conference strengthened their research awareness, technical knowledge, and confidence in presenting and discussing innovative ideas. ICASET 2026 served as a valuable learning experience, motivating students to pursue research, innovation, and professional excellence in Electronics and Communication Engineering.



ACHIEVEMENTS

ACADEMIC TOPPERS

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Congratulations
TOPPERS

7th Semester B.Tech. Result-2025 [2022-26 Batch]



Arya Sasikumar
SGPA: 9.30



Arya P R
SGPA: 9.30



Pooja P Menon
SGPA: 9.20



Ashrin A
SGPA: 9.20



Nandana N
SGPA: 8.77

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

KTU S5 TOPPERS

CONGRATULATIONS



M MOHAMMED NIYAS
(8.78)



NAMITHA S KUMAR
(8.93)



HARISHMA CHANDRAN
(8.5)

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Department of ELECTRONICS & COMMUNICATION ENGINEERING

Congratulations
Toppers of B.Tech S1 Exam Dec 2025



SUSMITHA P H
SGPA: 9.26



GOWRI KRISHNAKUMAR
SGPA: 9.79



ADHILA THASNEEM R
SGPA: 9.11



LAMIYA M A
SGPA: 8.82



ARYA R
SGPA: 8.61



ROSHNA FATHIMA Y
SGPA: 8.34



SANIYA M
SGPA: 8.24

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Department of ELECTRONICS & COMMUNICATION ENGINEERING

Congratulations
Toppers of B.Tech S8 Exam April 2026



ARYA SASIKUMAR
SGPA: 9.47



ASHRIN A
SGPA: 9.38



POOJA P MENON
SGPA: 9.29

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ACHIEVEMENTS

SPORTS & GAMES

APJAKTU E-ZONE KHO KHO CHAMPIONSHIP 2025-26



ASET WOMENS Kho-Kho team secured Second Runner up Trophy in the APJAKTU E-ZONE Kho-Kho Championship organised by Vidhya Academy of Science and Technology, Thrissur on January 2026

AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY



Congratulations



ABHISHEK K V
S8 ECE

For Securing **SILVER MEDAL** in Javelin Throw
at the
API Abdul Kalam Technological University 8th Inter-Collegiate Athletic Meet 2025



Congratulations!



MOHAMMED IRFAN B
S6 ECE (2023-27)

Proud Moment
Winner of Mr. Palakkad 2026!