

CET ELECTRON

Newsletter of Department of Electronics and Communication , CET

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ANAND P NAIR (S5 ECE) posing as maveli in the electronics department onam celebration

Maveli's Return, Etched in Laughter and Light

What a day! The department truly outdid itself for this year's Onam celebration, transforming the campus into a sea of dazzling white and gold. The elegance of everyone dressed in traditional attire made the occasion feel even more special. Though the sun blazed down, no one seemed to mind—completely immersed in the fun and vibrant chaos of the day. The morning began bright and early with preparations, the air buzzing with quiet concentration as students worked together to create a stunning pookkalam.

As the day unfolded, the energy only grew stronger. The stage came alive with electrifying dance performances, where students from all semesters poured their hearts into choreographed masterpieces and spontaneous freestyle moves. The sheer enthusiasm was contagious, leaving the audience spellbound.

And of course, the true star of the show—aside from the irresistible payasam—was our very own majestic Maveli, brought to life in all his royal glory by Anand P Nair (S5 ECE). His presence added an unmistakable charm to the celebration, making the moment even more memorable. The day was nothing short of magical, and we're already counting down to the next celebration.

THRIVE Program : Empowering Tribal Students through Education and Skills



The whole team along with the tribal students, at CET Golden walkway posing for a group photo

the gap between academic learning and personal development. The program was made possible by a dedicated group of volunteers — Jigmat (S7 ECE), Pranathi (S7 AEI), Shaziya (S3 AEI), Shreyas (S7 AEI), Nihal (S7 ECE), Jyothirmayi (S5 AEI), and Nanditha (S5 AEI) — whose commitment, energy, and teamwork ensured the program's success and lasting impact.

The program spanned six interactive sessions and one college visit, each carefully designed to introduce students to both academic and practical life skills. Topics covered included Introduction To Engineering, Artificial Intelligence in Daily Life, Basic Life Skills, and Mathematics, giving students a holistic learning experience. Through interactive lectures, hands-on activities, and collaborative exercises, participants gained a better understanding of core concepts and their real-world applications.

Highlights of the THRIVE program included problem-solving workshops, public speaking activities, and group discussions, which encouraged active participation and fostered self-confidence, critical thinking, leadership, and teamwork among the students. These sessions also provided a safe space for students to ask questions, share ideas, and build interpersonal skills, which are essential for personal growth and future academic pursuits.

The college visit allowed students to experience campus life firsthand, interact with faculty, and witness the opportunities available in higher education. Overall, THRIVE not only enhanced academic knowledge but also equipped students with practical life skills, inspiration, and motivation to pursue further studies, making it a transformative and enriching experience for all participants.

The Tribal Higher Education and Interactive Ventures for Excellence (THRIVE) program was successfully conducted from August 2024 to February 2025, under the active guidance and coordination of College Coordinator P. S. Gouri Lakshmi (S7 ECE). This initiative aimed to empower tribal students by providing them exposure to higher education opportunities and essential life skills, bridging



Prof. P G Gijy is familiarizing the students with the devices in the Analog Circuits Lab

CET Hosted 6th International Conference on Control, Communication and Computing

The College of Engineering Trivandrum (CET) successfully hosted the 6th International Conference on Control, Communication and Computing (ICCC 2025) from May 23 to 25, 2025. The biennial conference, jointly organized by the Departments of Electrical Engineering, Electronics and Communication Engineering, and Computer Science and Engineering, drew participation from leading researchers, academicians, and industry professionals across the globe.



Shri. Kadakampally Surendran, Dr. Suresh K & Prof. P G Gijy at the inaugural ceremony

ICCC 2025 served as a platform for the exchange of innovative ideas and recent research findings in the broad areas of Control, Communication, and Computing.



The event featured pre-conference tutorials, keynote addresses, technical paper presentations, and interactive sessions, fostering strong collaboration between academia and industry.

The conference was structured under three thematic tracks:

- Track 1 – Control Systems: Intelligent control, aerospace and automotive systems, industrial automation, renewable energy, and smart grids.
- Track 2 – Electronics and Communication: Biomedical signal processing, instrumentation, MEMS/NEMS, robotics, VLSI, wireless communication, and network protocols.
- Track 3 – Computing Technologies: Artificial intelligence, machine learning, big data, blockchain, cyber-physical systems, computer vision, and cybersecurity.

Accepted papers were published in IEEE Xplore, ensuring international visibility for the presented work. Tutorials on emerging subjects were conducted on May 23, 2025, ahead of the main conference.

The paper submission deadline was November 30, 2024, with notifications of acceptance issued on January 15, 2025. Camera-ready papers were submitted by March 30, 2025, and registration commenced on January 15, 2025.

The advisory and steering committees comprised eminent scholars from premier institutions including IITs, IISc, IIST, NITs, and leading international universities. With high-quality technical sessions and meaningful discussions, ICCC 2025 proved to be a significant academic gathering that paved the way for fruitful collaborations and advancements in science and technology.



Guest Session by Jyothis Indirabhai

As part of the C2S Internship program, our department hosted Mr. Jyothis Indirabhai, CEO and Co-Founder of NetraSemi. In his engaging session, he discussed SoCs with ARM cores, explained the fundamentals of processor pipelining, and shared valuable industry insights into SoC development practices. The session offered students a practical perspective on how concepts learned in the classroom are applied in real-world semiconductor design and development.



Industry Interaction Series

The Department of Electronics and Communication Engineering, College of Engineering Trivandrum, successfully organized another session of the Industry Interaction Series on 9 August 2025 through Google Meet.

The session featured Ms. Sneha J. R., alumna of the Applied Electronics 2020 batch and currently serving as an Operations Officer at Indian Oil Corporation Ltd. Ms. Sneha shared her professional journey, highlighting her transition from student life to a career in the energy sector. She provided valuable insights into the challenges

and opportunities in the industry, along with guidance on skill development and career preparedness.

The interaction was highly engaging, with students actively participating in the Q&A session. The program offered an excellent opportunity for attendees to gain practical perspectives from an accomplished alumna and served as a source of motivation for aspiring engineers.

Farewell To Our Esteemed Professors



On April 9th, the department gathered at CEETA Hall to bid farewell to three of its most respected faculty members — Dr. Pradeep R, Prof. Ajayan K.K, and Dr. Deepa P. Gopinath — on the occasion of their retirement.

The farewell was a small yet heartfelt event, attended by colleagues who came together to celebrate the contributions and careers of the retiring professors. While the gathering was modest in scale, it carried a deep sense of gratitude and respect for the decades of service that each of them has dedicated to the department.

Over the years, these professors have been central to the growth and progress of the department. Their unwavering commitment to teaching, research, and academic development has helped shape the department into what it is today. More than just teachers, they have been mentors and guides to their colleagues, always willing to share knowledge, provide advice, and extend support whenever needed.

During the farewell, members of the faculty recalled the lasting influence of their work and the values they upheld. Their dedication to academic excellence and their genuine concern for the department's advancement stood out as qualities that will continue to inspire.

The event was filled with moments of appreciation, as colleagues took time to acknowledge the significant mark each professor has left behind.

As they step into retirement, Dr. Pradeep R, Prof. Ajayan K.K, and Dr. Deepa P. Gopinath leave behind not only years of experience but also a legacy of commitment, wisdom, and camaraderie. While they will be missed in the daily life of the department, their contributions will remain a part of its foundation for years to come.

Project Expo at CET – Showcasing Innovation in ECE & AEI

The Department of Electronics and Communication Engineering (ECE), College of Engineering Trivandrum, hosted a vibrant Project Expo 2025 on March 25th, 2025, at the Research Block. The event provided a platform for final-year students to present their innovative projects, developed as part of their academic curriculum. The showcase highlighted the creativity, technical expertise, and teamwork of the eighth-semester (S8) students of ECE and AEI.

The expo witnessed enthusiastic participation from the department community. Faculty members, along with junior batches from S2, S4, and S6, visited the stalls, interacting with student innovators. The projects demonstrated strong technical foundations and promising real-world applications, sparking curiosity and inspiration among younger students.

The atmosphere was lively and collaborative, as S8 students proudly explained their concepts, methodologies, and outcomes. For the juniors, the event offered valuable exposure to the process of project development, motivating them to prepare for their own future endeavors.

Several projects stood out for their originality and societal relevance, ranging from

healthcare monitoring systems, IoT-enabled smart home solutions, robotics applications, renewable energy designs, to signal and image processing systems. These works reflected the versatility of engineering knowledge and the ability to address practical challenges.

Faculty mentors added further value by providing constructive feedback and encouraging students to refine their innovations toward advanced research or startup opportunities.

Overall, the Project Expo 2025, held on March 25th, successfully combined innovation, learning, and inspiration, leaving a lasting impression on both participants and visitors, while reaffirming the department's commitment to academic and technical excellence



ACROSS INDIA'S TAPESTRY – S6 AEI STUDY TOUR 2025

In February 2025, the S6 AEI students set off from Trivandrum on a journey across India. From Ahmedabad's Sabarmati Riverfront to Jaisalmer's golden sands, Amritsar's Golden Temple, and the patriotic Wagah Border, every stop blended history and spirit. The cool hills of Dharamshala, riverside charm of Kasol, and snowy adventures in Manali added thrill and reflection. Rishikesh brought the Ganga's flow, river rafting, and campfire nights. Delhi's bustling bazaars and Agra's timeless heritage marked the finale. Returning on March 7, the students carried memories of friendship, discovery, and laughter – a journey beyond classrooms



S6 AEI students and faculties at their IV

S6 ECE STUDENTS' CULTURAL ODYSSEY – NORTH INDIA TOUR 2024–25



S6 ECE students and faculties at their IV

From 23rd December 2024 to 7th January 2025, the Sixth Semester ECE students embarked on a 16-day educational tour across North India, organized by Leo Events and Tours, Thiruvananthapuram. The journey began in Ahmedabad with the architectural marvel of the Adalaj Stepwell and the historic Sabarmati Ashram. Jaisalmer's golden dunes, camel rides, and folk performances

Painted a vivid cultural picture, followed by Delhi's grand monuments and Amritsar's serene Golden Temple. The Himalayas brought Kasol, Grahana, and Manali, blending adventure with village charm and snowy landscapes. Rishikesh offered riverside camping and rafting, while the Taj Mahal in Agra crowned the tour. The trip left students with unforgettable memories of heritage, friendship, and discovery.

ACHIEVEMENTS

Doctrate Award

Dr Jinu Jayachandran has been awarded the Doctor of Philosophy (Ph.D.) from Indian Institute of Technology Delhi (IIT-D) for his thesis titled "Delay-Doppler Domain Pulse Shaping for Reliable Communication in High Delay and Doppler Spread Wireless Channels".

His thesis explores advanced signal design techniques to improve wireless communication in challenging mobility environments.



DR JINU JAYACHANDRAN

CET Students Win 1 Lakh at CareHack Hackathon

We are proud to announce that S7 Applied Electronics students – **Aswinkrishna T. U., Rahul Sam, and Muhammed Binshad** from the College of Engineering Trivandrum won the ₹1 Lakh prize at the CareHack Hackathon for their project CareGame.

CareGame is an innovative game that helps parents detect early signs of developmental challenges such as Autism, Dyslexia, ADHD, Anxiety, and Color Vision Deficiency through engaging mini-games. A private dashboard provides parents and teachers with valuable insights for timely intervention.

🔗 Explore the project: care-sage.vercel.app

Congratulations to the team for their creativity, technical brilliance, and social impact



Aswin Krishna T. U (S7 AEI), Rahul Sam (S7 AEI) & Muhammed Binshad (S7 AEI) receiving the award

ACHIEVEMENTS

Team AeroCET Shines at National Drone Challenge

The **AeroCET** team from the College of Engineering Trivandrum achieved remarkable success at the Autonomous Drone Development Challenge held at KCG College of Technology, Chennai. Competing against more than 60 teams from across the country, the team secured first place in the Best Technical Design category, along with 10th place at the All-India level and first place in Kerala.



The competition tasked participants with designing a drone capable of autonomously flying to a specified location and lifting an 80-gram object. The CET team's innovative design enabled their drone to accurately identify the target spot using QR code scanning and successfully complete the mission.

The project, developed by nine dedicated students of the Aero CET team — including SOORAJ BHASI from S5 Applied Electronics and Instrumentation and ATHUL A R from S7 Electronics and Communication — showcased the potential of drones in applications ranging from surveillance to logistics. This achievement highlights the team's technical excellence and brings national recognition to the institution.

*SOORAJ BHASI (S7 ECE) and ATHUL A R (S7 ECE)
along with the team members at the drone
challenge*

ACHIEVEMENTS

STRIDE DESIGNATHON-2025

On June 28th, 2025, CET students participated in STRIDE Designathon 2025, Kerala's flagship assistive technology innovation program, hosted by K-DISC, KTU, and Kerala Startup Mission. The event brought together innovators from across the state, providing a platform to showcase solutions for real-world challenges using technology.

The team from CET presented GeoGuardian, a compact wearable designed for neurodivergent children. GeoGuardian tracks the child's real-time location and sends SMS alerts if they move outside a safe zone. Using the Google Maps API, the device generates accurate location links and address details—no phone is required on the child's end, ensuring safety and ease of use.

Presenting to a panel of experts was an intense experience, offering valuable learning, exposure, and insights. The students were inspired by other innovative ideas addressing real-life problems.

The remarkable team included Srikrishna Sathyajeeth (Lead), Vijay Krishnan Unni, Anjana P Sajiv, and Karthik AK, under the mentorship of Dr. Vishnu Rajan. Their work reflects CET's commitment to technology for social good and inclusive innovation.



SRIKRISHNA SATHYAJEETH (S5 ECE), VIJAY KRISHNAN UNNI (S5 ECE), ANJANA P SAJIV (S5 ECE) and KARTHIK A K (S5 ECE) posing for a photo at stride deignathon event in kochi

ACHIEVEMENTS



Gowrishankar A (S5 AEI), Joyel Raphel (S5 ECE) & Medha B Kurup (S5 AEI) second place at NIT Calicut Band Competition & also second place at IIST TVM band competition.



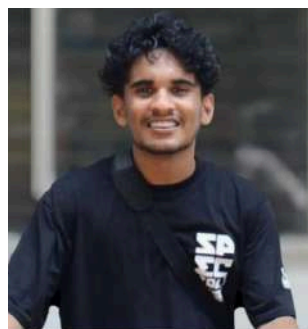
Joyel Raphel (S5 ECE) & Gowrishankar A (S5 AEI) have been declared as the best keyboardist and best drummer respectively, in the IIST TVM band competition event.



Alan (S3 ECE) developed a website during a musprint event.



Kripa Sophy David (s5 AEI)
Got selected to KTU women's handball team.



Athul AR(S7 ECE)
SAE ADDC - Kerala 1
, AIR 10 , Technical
Design Report -AIR 1



Sreelekshmi Ajit (S7 ECE)
Recipient of IEEE AESS
SYP Congress '25 -
Nairobi, Kenya - Travel
Grant



Anagha Umesh (S7 ECE)
Selected as Summer
Research Intern at IIT
Madras as a part of the
IITM Summer
Fellowship Program
2025



Srikrishna Satyajeeth (S5 ECE)
Participated in
Technical Training
conducted by India
Space Lab

ACHIEVEMENTS

GATE ECE TOPPERS



M MOHAMMED NAFEEZ
AIR 5



S JANARDAN
AIR 79



GOKUL E T
AIR 218



SAYOOJ KRISHNA
AIR 268



ABHINAV PRAKASH
AIR 285

GATE ECE 2025 QUALIFIERS



AVAITH V



AKHIL A S



ASWATHY N



ASWIN S



ATHUL KRISHNA A B



BHADRA ASHOK



DEENA MARIYA DAVID



GOUTHAM S KUMAR



HARINANDH M M



KRISHNENDU K P



PRANNAV KAMMATH R



V JANAKIT

PLACEMENTS



NEERAJ NINAN KURIAKOSE (S7 ECE)



TINU K CHERIYA (S7 ECE)

ΔCCORDION



DAVID MATHEW JOSEPH (S7 ECE)



SHREDDHA K LAKSHMAN (S7 AEI)



RAHUL SAM (S7 AEI)



SREELAKSHMI AJIT (S7 ECE)



ANU FRANCIS
ALAPPATT (S7 ECE)

PLACEMENTS



SUPARNA R (S7 ECE)



GOVIND S (S7 ECE)



NIRUPAMA SANAKR (S7 ECE)



JENNIFER GEORGE (S7 ECE)

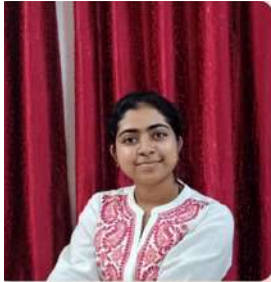


KESHAV BALAKRISHNN (S7 ECE)



SUVEDHA S (S7 AEI)

INTERNSHIPS



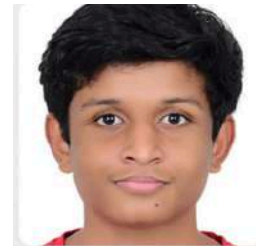
ANNA M JOSHY (S5 ECE)



GAUTHAM SYAM S (S5 ECE)



ANURAGH HARIDAS (S5 ECE)



NANDAKISHORE J (S5 ECE)



JOEL JOSE (S5 AEI)

BATCH TOPPERS

ECE (2021-2025)



ASWATHY N
9.98



DEENA MARIYA DAVID\
9.93



THEERTHA DEVAN
9.48



GOUTHAM S KUMAR
9.49



KEERTANA S PILLAI
9.48



BRISTO C J
9.45



KRISHNENDU K P
9.43



BHADRA ASHOK
9.42



PRIYANKA THOMAS
9.42

BATCH TOPPERS

ECE (2021-2025)



ARJUN ANIL
9.31



V JANAKI
9.27



SURYAGAYATRI
9.25



HARINANDH M M
9.24



ATHUL KRISHNA A B
9.22



M V MAHADEVAN
9.08



DAVE PAUL JOSEPH
9.11



AKHIL A S
9.10



YADUKRISHNAN T P
9.10

BATCH TOPPERS

AEI (2021-2025)



KRISHNA S NAIR
9.79



ARCHA C S
9.58



GOURI M N
9.53



VAISHNAVI G J
9.52



AKASH KRISHNA
9.23



ALWIN BABU
9.17



S VARUN
9.09

TOPPERS

ECE (S4 TOPPERS)

SHRADHA P	9.91
ANGEL MARIA BIJOY	9.91
ANURAGH HARIDAS	9.91
ANNA M JOSHY	9.81
ARYASREE S	9.73
HIBA PARVIN A	9.68
JULIN MARY DEEPAK	9.59
MARIA JOSEPH	9.59
S DIYA VASIM	9.59
ADITHYA PRAKASH	9.59
AROMAL M S	9.55
SEBA S RAJU	9.50
KARTHIK A K	9.45
PARVATHY B	9.45
AHALYA KRISHNAN P	9.41
ANJANA P SAJIV	9.41
SRIKRISHNA SATHYAJEETH	9.41
MISH AL ABDUL JABBAR	9.36
MUHAMMED RAJAB C	9.32
NANDAKISHORE J	9.32
MERIYA ELEYAS	9.27
MRINAL SHERNA	9.18
RIDA K	9.18
GAUTHAM SYAM S	9.14
ABHIJITH D	9.14
ACHUTHA ASWIN NAICK	9.09

AEI (S4 TOPPERS)

JEEVAN POULOSE	9.73
JOEL JOSE	9.45
BHARATH J	9.45
I P RHITHIKA	9.36
MITHRAVINDA VARMA	9.36
NANDHANA VIJAYAN	9.36
RAHUL	9.36
AMRITHA R S	9.32
KRIPA SOPHIE DAVID	9.27
NANDHANA V S	9.27
SHREEHARI R	9.23
NILA RAJEEVAN	9.18
SREERAG N S	9.18
THEERTHA S	9.05
AVANTHIKA V	9.00
NIKHIL M M	9.00
ROHIT K	9.00

TOPPERS

ECE (S6 TOPPERS)

GOWRI NANDHANA	9.59
ANAGHA UMESH	9.46
GREESHMA JAYAKUMAR	9.33
DURGA MADHUSUDANAN	9.28
KESHAV BALAKRISHNAN	9.26
J K SHRUTHU CHANDRAN	9.26
GOVIND S	9.24
DIYA ROSE THOMAS	9.24
VASANTHI B N S	9.22
JENNIFER GEORGE	9.17
LINTO JOMON	9.11
SREELAKSHMI AJIT	9.00
SUSAN MATHEW	9.00

AEI (S6 TOPPERS)

M K S RASHMIKA	9.83
S SUVEDHA	9.3
NAVMI SREERAJ	9.27

OUR DEPARTMENT'S VISION

TO TRANSFORM YOUNG STUDENTS INTO RESPONSIBLE AND COMPETENT PROFESSIONALS WITH FOCUS ON DISSEMINATION OF KNOWLEDGE IN THE SPHERE OF ELECTRONICS, COMMUNICATION AND INSTRUMENTATION ENGINEERING

OUR DEPARTMENT'S MISSION

1. TO IMPART QUALITY ENGINEERING EDUCATION TO SATISFY THE NEEDS OF ACADEMICS, INDUSTRY AND SOCIETY
2. TO ACHIEVE EXCELLENCE IN TEACHING - LEARNING, RESEARCH AND INNOVATION IN THE AREA OF ELECTRONICS, COMMUNICATION AND INSTRUMENTATION ENGINEERING
3. TO FACILITATE NETWORKING WITH ALUMNI, INDUSTRIES AND INSTITUTIONS IN BRINGING ABOUT EXCELLENCE AND NOURISHING THE ENTREPRENEURIAL SKILLS OF THE STUDENTS
4. TO PRACTICE HIGHEST LEVEL OF PROFESSIONAL INTEGRITY, TRANSPARENCY AND ACCOUNTABILITY

CO ORDINATOR

PROF. RENCYMOL M V

TEAM

P.S GOURILAKSHMI	S7 AEI
PRANATHY AJAYAN	S7 AEI
ANAGHA UMESH	S7 ECE
VAISHNAV KRISHNA	S7 ECE
ARDRA S SHARMA	S5 AEI
SEBASTIAN VARGHESE	S5 ECE
ANAND P NAIR	S5 ECE
DARIS BENNY	S5 ECE
AROMAL M.S	S5 ECE
ANJANA P SAJEEV	S5 ECE
MERIYA ELEYAS	S5 ECE
SREEHARI R	S5 ECE
MEDHA B KURUP	S5 AEI
SREEHARI A J	S5 AEI
RIYA ANNA THOMAS	S3 AEI
BHARAT KRISHNA R	S3 AEI
ANUPA P SHIBU	S3 AEI
DEVANANDANA JAYAKRISHNAN	S3 ECE
ROHAN SUBHASH	S3 ECE
ASHNA J S	S3 ECE
SREE VISHNU VARDHAN	S3ECE
TESSA ANNA	S3 AEI

SPECIAL THANKS TO

DR. HARIS P A, HoD
ALL FACULTIES AND STUDENTS OF
DEPARTMENT OF ELECTRONICS AND
COMMUNICATION