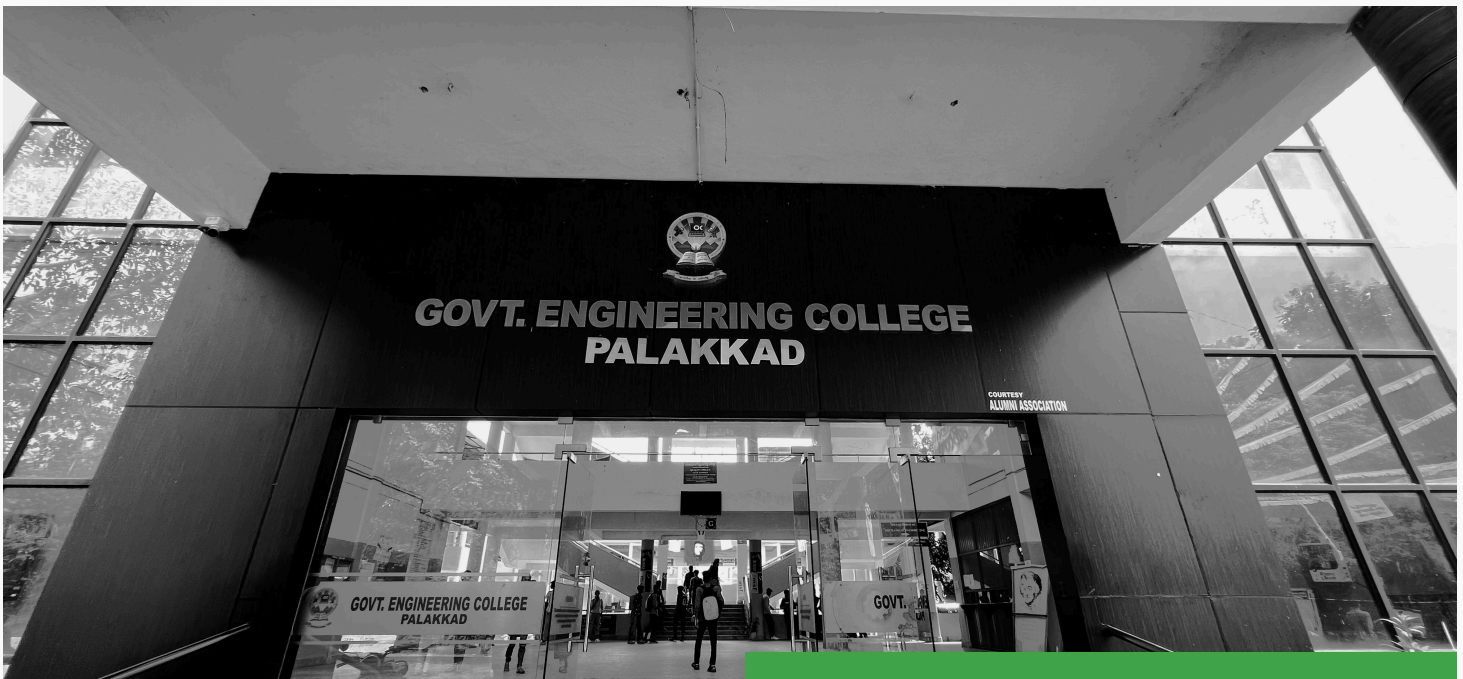# NEWSLETTER

https://gecskp.ac.in/cse.php | csehod@gecskp.ac.in

👁 VISION

Excellence through the wings of science and technology.

🎯 Mission

To transform youth to talented engineers with creativity and integrity who can meet the technological challenges for the service of society.

About GEC Palakkad

Government Engineering College Palakkad, Sreekrishnapuram is a premier educational institute established in 1999. It is situated in Palakkad district of Kerala.
The college is fully owned by Govt.of Kerala and is under the Directorate of Technical Education, Kerala. GEC Sreekrishnapuram is approved by the AICTE and is affiliated to APJ Abdul kalam Technological University (from 2015 onwards)

◉ VISION

To become a Centre of Excellence in Computing and allied disciplines.

◎ Mission

To impart high quality education in Computer science and Engineering that prepares the students for rewarding, enthusiastic and enjoyable careers in the industry, academia and other organizations.

About the Department

The department of Computer Science and Engineering offering B.Tech in Comuter Science and Engineering, M.Tech in Computational Liguistics and PhD under the University of Calicut from 2012 onwards. Later, the programme has been affiliated to APJ Abdul Kalam Technological University since its inception from 2015 onwards.

Program Educational Objectives (PEOs)

Within a short span of time after graduation, the graduates shall:

PEO1 : Apply good analytic, design, and implementation skills required to formulate and solve computer science problems.

PEO2 : Be employed as computer science professionals beyond entry-level positions.

PEO3 : Be able to route their talents in to post graduate and research programs, promoting remarkable advancements in emerging areas.

PEO4 : Demonstrate that they can function, communicate, collaborate and continue to learn effectively as ethically and socially responsible computer science professionals.

Program Specific Outcomes (PSOs)

PSO1: Problem Solving Skills: Ability to design and develop computer programs and computer based systems of moderate complexity in the areas pertaining to system software, multimedia, database, networking, artificial intelligence, web- design and information security.

PSO2: Professional Skills: Ability to apply standard practices and methods in software project management and software development using suitable programming environments to deliver quality product for the industry

Message from the Principal

It gives me immense pleasure to extend my heartfelt greetings to the Department of Computer Science and Engineering on the publication of its departmental newsletter.

The department has consistently been at the forefront of academic excellence, technical innovation, and skill development. In today's fast-evolving digital era, it is indeed encouraging to see our students and faculty making meaningful contributions through quality research, creative projects, and community-oriented initiatives.

The department remains aligned with the broader vision of our institution—to nurture technically sound, ethically grounded, and socially responsible professionals for the nation.

I sincerely appreciate the untiring efforts of the faculty members in imparting quality education and mentoring our students, and I also applaud the energy and dedication of the student community that continuously brings recognition to the college.
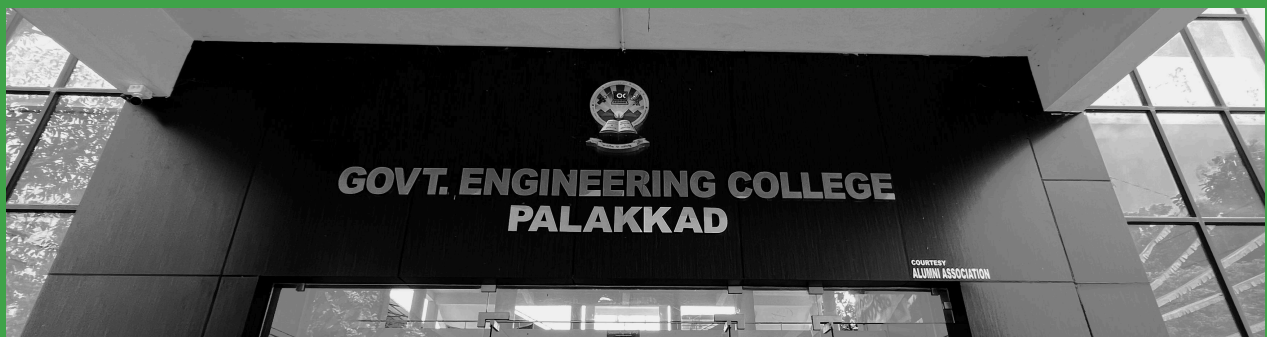
I am confident that the Department of Computer Science and Engineering will continue to achieve new milestones and serve as a centre of excellence in technical education.
Wishing the department all success in its future endeavours.

With Warm Regards
Dr. K R Remesh Babu

Dr. K R Remesh Babu
Principal of GEC Palakkad

GOVT. ENGINEERING COLLEGE
PALAKKAD

Message from the Head of the Department

I am delighted to note that the students of the Computer Science department are launching the departmental newsletter. This commendable initiative serves as a platform to showcase the achievements and talents of our students and faculty, reflecting the vibrant academic and co-curricular life of the department.
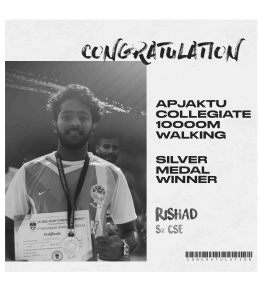
Our department has always been committed to fostering the all-round development of students, enabling them to thrive in the fast-evolving digital world. The driving force behind our progress is the energy and enthusiasm of our students, supported by a team of dedicated young faculty members. With a strong emphasis on quality teaching and active involvement in research, our faculty members inspire students to take up innovative and research-oriented projects. This academic environment equips our students to pursue meaningful, enjoyable, and successful careers in both industry and academia.

Beyond academics, our college encourages participation in co-curricular and social initiatives such as the NSS and various student clubs, nurturing responsible, socially committed individuals.

I extend my heartfelt congratulations to the editorial team and all those who contributed to making this newsletter a reality. Your efforts and creativity are truly commendable. I also take this opportunity to express my sincere gratitude to our Principal, Dr. Remesh Babu K. R., for his continued guidance and support. My best wishes to all students, faculty, and staff for continued success in all future endeavours. May you all be blessed with knowledge, wisdom, and the drive to achieve excellence.

Dr. Sabitha S
Professor & HOD of CSE

STUDENT ACHIEVEMENTS

EMPOWERING ACCESSIBILITY:
Launch of World-Map-Explorer

World-Map-Explorer is a web application designed to make maps accessible for the visually impaired. Built on OpenStreetMap, it is a free and open-source tool with screen reader support, available at map.zendalona.com.
Visually impaired individuals primarily rely on tactile maps, as most digital mapping systems are not compatible with screen readers or keyboard navigation. World Map Explorer bridges this gap, offering an intuitive and accessible way to explore maps.

This initiative was developed by Jyothir Adithya P, Azhar Abdullah CK, Athuldas S, and Saju Suresh, students from the Computer Science Department of Sreekrishnapuram Government Engineering College, Palakkad, with guidance of Zendalona, an organization dedicated to creating assistive technology for the visually impaired.

The platform was inaugurated by **Dr. R. Bindu, the Minister for Higher Education and Social Justice of Kerala**, at an event held at the office in the presence of MLA Adv. Prem Kumar. Representatives from Zendalona, including Sathyaseelan, Nalin Sathyan, Mukundan Annamalai, Reji Joseph, Kavya, Vinod B (President of the Kerala Federation of Blind Youth Forum), and Manoj Karingamadathil (OpenStreetMap Kerala), also participated.
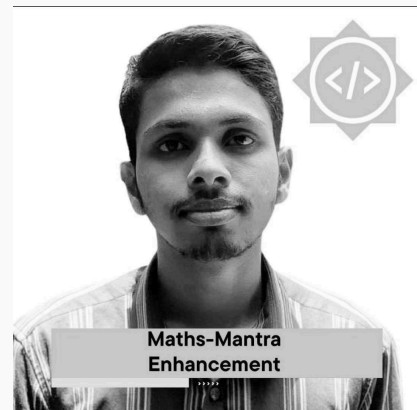
INTERNSHIP EXPERIENCE AT AMAZON

I had the incredible opportunity to intern at Amazon for 2 months with their Pharma and Healthcare software team. This hands-on experience enriched my academic learning as I contributed to both frontend and backend development, joined stand-ups, code reviews, and collaborated on impactful features. It strengthened my technical and teamwork skills while allowing me to apply Amazon's Leadership Principles like Ownership and Learn and Be Curious in a high-performance, customer-focused environment.

GOOGLE SUMMER OF CODE (GSoC)

Getting selected for Google Summer of Code (GSoC) has been one of the most life-changing moments of my college journey. Contributing to an accessibility-focused project that has the potential to impact millions is not only a major milestone in my technical growth but also a source of immense pride and purpose.

Maths-Mantra Enhancement

MATRIX 2.0 HACKATHON

Matrix 2.0 was a premier offline hackathon organized by IEEE CS SB GEC PKD in collaboration with IEDC GEC PKD on 25th–26th January 2025, dedicated to fostering innovation and encouraging the development of groundbreaking technical ideas. The event provided a dynamic platform for aspiring technologists to collaborate, innovate, and bring their creative solutions to life.

ANDROID STUDIO WORKSHOP by ISTE CSE Forum

The ISTE CSE Forum successfully conducted an Android Studio Workshop during the academic year 2025. The workshop witnessed enthusiastic participation from 63 students, providing them with valuable hands-on experience in Android development. The session was well-received and proved to be a fruitful learning opportunity for all attendees.

Excellence in Design and Creativity

As students passionate about creativity and user experience, we had the opportunity to explore the world of design through some exciting platforms.

I, Ronnie Rappai, was proud to emerge as the winner of the MuSketch Website Redesign Contest hosted by Mulearn. It was a meaningful experience to reimagine a real-world interface with a focus on clarity, usability, and visual appeal.

In addition, I secured the third prize in the WhatsApp UI Redesign Competition at IEEE ELEVER 5.0, which pushed me to refine my skills in minimalist design and functional layouts.

In addition, I secured the third prize in the WhatsApp UI Redesign Competition at IEEE ELEVER 5.0, which pushed me to refine my skills in minimalist design and functional layouts.

I, Navami BR, was honored to win the IEEE WIE Poster Design Contest. It was a platform where I could merge creative visuals with technical messaging, and I'm grateful for the recognition it received.

These experiences have helped us both grow as designers enhancing not only our creativity but also our ability to communicate ideas through design.

Young Innovators Program (YIP) 7.0

One of the most rewarding experiences for me and my teammates Parthiv Krishna, Ansaaf Anas, Jobish Johnson, Sinaj, and Nandhana R—was being shortlisted at the district level for Young Innovators Program (YIP) 7.0.

Together, we built something we truly believe in. From brainstorming and prototyping to pitching and refining our idea, the journey was filled with learning, challenges, and growth. It taught us the value of teamwork, resilience, and staying committed to a vision.

Achievements in Sports and Athletics

I'm Navami BR, and I've had the privilege of representing our college in multiple sporting events. Our team secured the Runner-Up position in the Inter-Zone Handball Championship (2024–25) and emerged winners in both the E-Zone and Inter-Zone Kho Kho Tournaments (2023–24). These achievements were not only proud moments but also valuable lessons in teamwork, discipline, and perseverance.

I'm Muhammed Rishad K, and I was honored to win the silver medal in the 10 km Race Walking event at the KTU Inter-Collegiate Athletic Meet. It was a rewarding experience that pushed my limits and strengthened my passion for athletics.

Participation in NASA Space Apps Challenge Kochi 2024

Three enthusiastic teams from our class, each comprising six members, proudly participated in the NASA Space Apps Challenge Kochi 2024, held on October 5 & 6, 2024. The event was jointly organized by Rajagiri School of Engineering and Technology (RSET), Kochi and Unique World Robotics. It provided a great platform to showcase creativity, problem-solving, and collaboration by addressing real-world challenges using data from NASA and other space agencies. Our teams gained valuable experience in innovation, teamwork, and global collaboration.

Student Leadership Across Campus Communities

The students of S5 CSE (2023–2027 batch) have been making remarkable contributions beyond the classroom, actively leading and supporting various student communities and technical clubs across the campus. Their passion, innovation, and leadership reflect the vibrant spirit of the Computer Science and Engineering department, fostering a culture of collaboration and excellence.

μLearn
    * Mohammed Aslam – Lead
    * Navami BR – Design Lead
    * Ronnie Rappai – UI/UX Lead
    * Sabari S – Web Development Lead
    * Athul Krishna – Media Team

TinkerHub
    * J. Sreelakshmi – WIT Coordinator

IEEE
    * Ansaaf Anas – Vice Chair
    * Parthiv Krishna – ComSoc Vice Chair
    * Jisto Prakash – Treasurer
    * Ardhra K – WIE Vice Chair

Robotics Club
    * Hredya V – Secretary

IEDC
    * Navami BR – Co-Lead
    * Ansaaf Anas – Community Lead
    * Mohammed Aslam – Finance Lead

Void Minds
    * Ansaaf Anas – CMO
    * Sinaj P S – Vice Chair
    * Imthiyas Ibnu Ibrahim – CMO
    * Kaviya Raj – Joint Secretary

Film Club
    * Imthiyas Ibnu Ibrahim – Vice Chair

Google Developer Group (GDG)
    * Muhammed Anees V – Design Lead

Tink-Her-Hack 3.0

GEC Palakkad celebrated innovation at Tink-Her-Hack 3, organized by TinkerHub & IEDC. Women-led teams showcased impressive projects with top honors going to:

🥇 Team Innovista (Diya Betcy)
🥈 Team Error (Alka & Ajisha)
🥉 The Trio (Aflaaha, Ardhra & Shifna)

IEEE SYP Compute Designer Role:

I was a part of the Design Team for IEEE SYP Compute, where I contribute to creating engaging visuals and event branding. This role allowed me to explore my creative side while working closely with a team passionate about design and innovation.

I joined Zendalona as a Software Engineer Intern, where I'm gaining hands-on experience in real-world development projects, specifically id the software testing department. This opportunity is helping me enhance my coding skills, collaborate with a talented tech team, and contribute to meaningful software solutions.

Excited to Lead TinkerHub GEC Palakkad

I'm happy to share that I've been selected as the Campus Lead of TinkerHub GEC Palakkad for the year 2025, a growing community of makers, learners, and innovators.
My journey with TinkerHub started as a maker, followed by a role as Co-Lead, and now this new opportunity to lead the campus chapter. Through this experience, I've gained meaningful connections, practical skills, and the confidence to take initiative.

Empowering Knowledge:
NPTEL Achievements of S5 CSE

The Department of Computer Science and Engineering proudly congratulates 29 students of S5 CSE (2023–2027 batch) for successfully completing NPTEL certification courses in areas such as AI, Python, Data Science, and Soft Skills.

This achievement reflects their dedication to continuous learning and the department's commitment to encouraging skill development beyond the classroom.

My Winning Entry in 'Hack-A-Fool'

In my second semester, I entered a competition conducted by IEEE called "Hack-A-Fool," where the challenge was to create a tech-based prank. My idea was to build a convincing, modern redesign of our college website's main page. However, the new site was a trap; every single link, from "Academics" to the library page, was programmed to trigger a pop-up and play the classic Rickroll video.

To my surprise, I turned out to be the only participant in the competition and was declared the winner by default. It was a hilarious and strange way to win, but the experience taught me a valuable lesson about the importance of just going for it. My takeaway is to always participate in college events, regardless of the expected outcome, because you never know what might happen.

Designing for Inclusion: Our Internship

Nayana G:
During my first year, I had the chance to intern at Zendalona, where I worked on Maths Tutor QT V2, a PyQt5 desktop app built to make math more accessible for visually impaired children.
I focused on building a clean, accessible UI with features like text-to-speech, keyboard-only navigation, and dynamic quiz layouts. This hands-on experience helped me understand the impact of inclusive design and how tech, when built thoughtfully, can truly empower learners.

Fadeela N:

And just like that... I wrapped up my first offline 1-month internship at Zendalona! From nervously finding my seat on day one to confidently tackling real-world tasks, it's been a journey of growth. I learned the value of asking questions (yes, even the "silly" ones 🥲), working in a team, and embracing challenges. Big thanks to the Zendalona team for their support, guidance, and the little moments of laughter that made it all so special.