









**COMPUTER SCIENCE &** 





# Dr. P. Chinnadurai, M.A., Ph.D. Secretary & Correspondent

Success is all about respecting the past and creating the future. I wish the institution the very best in delivering quality education to all walks of the society.

Dr. C. Sakthi Kumar, M.E., Ph.D.
Director

As we speak, technology around us changes. Innovation has become the buzzword. We at Panimalar group of institutions, create and carve out a niche for the students, and we make them believe that "education for life" rather than "education for living".





Mrs. C. Vijayarajeswari
Director

One of the greatest challenges and opportunities in the modern day is preparing today's students for tomorrow's needs. We tutelage the students to embrace the change and move forward in this competitive environment.

Dr.Saranyasree Sakthi Kumar, B.E.,M.B.A.,Ph.D. Director

At Panimalar, we identify student's potential, convert them into talent and elevate the talent to infinite possibilities. We condition the students for the challenges ahead and groom them to be responsible citizens.











DR. K.MANI, M.E, PH.D
PRINCIPAL
PANIMALAR ENGINEERING
COLLEGE

I am pleased to share with you the newsletter from Department of CSE, Panimalar Engineering College. You will be delighted to go through this volume that will connect you to the many activities of this dynamic department. Let this news letter and series of such letters keep us all continuously informed about all the developments of the department in the years to come. I wish the Head of the Department, all the staff and students of the department for having taken the best initiatives in bringing out this Newsletter

Dr.L.JABASHEELA, M.E.,Ph.D.,
Professor & Head
Department of Computer Science
and Engineering

On behalf of the Department of CSE, Panimalar Engineering College, it gives us immense pleasure in presenting this newsletter. It was exhilarating being the editors of this issue. This newsletter focuses on the happenings of the semester along with the incredible achievements of our students and staff. We humbly hope that this newsletter will be giving you an excellent insight on the various achievements by the members of our department









# **VISION**

To create a dynamic academic environment that nurtures technologically proficient individuals with a spirit of research, innovation and effective communication while instilling strong social awareness and national responsibility, enabling them to excel in the field of Computer Engineering.

## **MISSION**

M1: To establish a dynamic academic environment with dedicated faculty and modern resources, fostering expertise in both fundamental concepts and emerging computing domains.

M2: To equip students with industry-relevant skills, critical thinking abilities, and leadership qualities, while instilling ethical values and a sense of responsibility through knowledge dissemination and technological advancements for societal progress.

M3: To drive collaborative innovation through partnerships with academia and industry, ensuring seamless exchange of expertise, leading to intellectual property creation, product development, commercialization, and sustained research funding.







#### PROGRAM EDUCATIONAL OBJECTIVES

PEO1: Technical Competence and Problem-Solving: Develop a strong foundation in computer science and interdisciplinary domains to design and implement effective solutions for real-world engineering challenges.

PEO2: Career Growth and Leadership: Excel in technical and professional roles across industries, entrepreneurship, and higher education while demonstrating leadership, teamwork, and adaptability.

PEO3: Innovation, Research and Ethical Excellence: Engage in cutting-edge research, address industry needs, and develop innovative software solutions while upholding ethical responsibility and professional integrity.

#### PROGRAM OUTCOMES

PO1: 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.

PO2: Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4).

PO3: 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).

PO4: Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & mp; interpretation of data to provide valid conclusions. (WK8).

PO5: Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & Damp; IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6).

PO6: 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).

PO7: Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & principles and commit to professional ethics, human values, diversity and inclusion;

PO8: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO9: 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.

PO10: 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.

PO11: 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).

#### PROGRAM SPECIFIC OUTCOMES

PSO 1 (Professional Skills): To inculcate technical skills to analyze, design and implement software's related to algorithms, networking, web services, multimedia, big data analytics and recent topics of varying complexity. PSO 2 (Problem-Solving Skills): To develop the capability to comprehend and solve the interdisciplinary problems through appropriate technology with the understanding of contemporary business environment. PSO 3 (Successful Career and Entrepreneurship): To develop an ability to utilize the latest technology and platforms to become a triumphant professional, successful entrepreneur and an urge for pursuing higher studies.





The Computer Science and Engineering Department offers the following programs.

**B.E - Computer Science and Engineering (4 Years)** 

M.E. - Computer Science and Engineering (2 Years)

Ph.D - Computer Science and Engineering (Full time / Part time).

The Computer Science and **Engineering** Department offers Undergraduate and Postgraduate programs. It provides an excellent ambiance for students to learn and acquire the necessary skills required by the IT Industry. Technological innovation is so rapid in this field that continuous education is essential to enhance the skill set of students keeping in pace with the current trends. The department has experienced faculty members who are fully committed to teaching and research. The students have access to well equipped, state-of-the-art laboratories. A wide range of activities undertaken in the department allow the students to gain contemporary knowledge of the basic problems in the IT industry. The advance curriculum requires the students to take up a broad spectrum of courses with special emphasis on desired areas of specialization. Hence, the department has brought out exceptional engineers in the past and will continue to do in the years to come. The Department maintains an excellent interaction with IT industry and organizes regular guest lectures by experts, industrial visits, internships etc. and stands for industry - Institute collaboration







# **SPOTLIGHT**

#### **BEYOND STANDARD CLUB**



BIS Club Inauguration - A Step Toward Quality and Standardization

The BIS Club of our institution was formally inaugurated on August 1, 2025, in the presence of the Chief Guest, Dr. A. Baskar. The event highlighted the importance of the Bureau of Indian Standards (BIS) in ensuring product quality and safety. Dr. Baskar emphasized the role of students in promoting standardization and national development. He also presented official BIS badges to the newly inducted members, symbolizing their dedication to quality and responsibility. The ceremony concluded on an inspiring note, motivating students to actively participate in future BIS activities.

# **EVENTS**



TThe Beyond Standard Club organized BENCHMARK, a two-day event on 29th and 30th September 2025, to promote awareness of standards, quality, and innovation among students. With participation from 136 students, the event featured four activities - Quiz, Poster Making, Standard Writing, and Paper Presentation - highlighting creativity, knowledge, and analytical skills related to BIS themes. The event concluded successfully, motivating students to embrace the values of standardization and innovation.



As part of the "Bench-Mark" event on 29th September 2025, the Beyond Standard Club, in collaboration with BIS, Chennai, organized a Poster Making Competition to promote awareness of standards, quality, and safety. CSE students showcased creativity through impactful posters on themes like product quality, consumer awareness, and innovation. Judges praised the participants for their artistic expression and clear messaging, making the event a successful blend of creativity and awareness on the importance of standards.







# **SPOTLIGHT**

#### **EVENTO DE TECHNOLOGIA'25**

The Department of Computer Science and Engineering, in association with the IEEE Computer Society and IEEE Student Branch, organized Evento De Technologia'25 in July 2025.

Key events included Quiz Competition, Think-Bit, Reverse Coding, and Innovent & OpenMIC, which enhanced students' technical skills, problem-solving ability, and collaboration. Over 50 participants showcased their innovation and logical reasoning through these engaging sessions.

## **EVENTS**



The event included a Quiz Competition with over 500 participants, promoting technical excellence, teamwork, and collaboration among students.



The THINK-BIT event strengthened analytical, logical reasoning, and problem-solving skills through handson coding challenges.

#### **REVERSE CODING**



Participants in Reverse Coding showcased their programming skills by developing and implementing efficient solutions for given problem statements.

#### **INNOVENT & OPENMIC**



The INNOVENT & OPENMIC event encouraged innovation, idea presentation, and practical problem-solving, focusing on real-world technical challenges.







# **EVENTS**



AA two-day workshop on Cybersecurity (7–8 Aug 2025) trained 60 students on Kali Linux, CyberChef, and secure coding, led by Ashwini Priyanka, Harish Anand P, and Vijay Manraj.



A webinar on Intellectual Property Rights (2 Sep 2025) by Dr. B. Anna Benedict educated 60 participants on patent laws and intellectual asset protection.



Dr. M. Shyamala Devi, Kyungpook National University, delivered a session on Generative AI and Smart Systems. Sahana demonstrated UiPath Document Understanding, followed by a fun Word Hunt by Bharath.



The club's 11th meetup welcomed new members with an introduction to UiPath and automation by Sahana and Janavi, following a warm address by President Bharath. Fun activities like Logo Legacy, Flash Memory, and Tech Pic Connect kept participants engaged, while Deva Jeshurun showcased a File Organizer automation demo.



A hands-on Web Development Workshop introduced students to modern tools and responsive design fundamentals.



The IEEE Student Branch hosted a 24-hour coding contest (25–26 Oct 2025), promoting innovation, teamwork, and problem-solving.







### STUDENT ACHIEVEMENTS



#### **Celebrating Innovation: Mobile App Launch - ENVISION 2025**

The Department of CSE organized a Mobile App Launch Event during ENVISION 2025 on 22nd February 2025, where II-year students unveiled four innovative apps—AccuCert, QuizCalculus, Actionary, and NutriQuest—on the Google Play Store. Graced by Mr. Dilli Babu, the event highlighted student innovation, teamwork, and practical application development under the mentorship of Dr. Lakshmi D, Mr. Satheesh A, and Mr. T. Tamilarasan.



ENVISION 2025
Ashwanth Raj – Created QuizCalculus (Numbo), a math quiz app, and Actionary (TickTask), a productivity tool.



ENVISION 2025

Arun Pradeepu V Aadhi Rajan , Deva Jeshurun D C (), and Akash Raj – Jointly developed NutriQuest, a health and nutrition tracking app







### **Students Achivements**



Sayantani Banerjee (II CSE) – 2nd Place, Eureka'25 Idea Pitch (28 Aug 2025).



CSE Team – 1st Place, TechnoSummit XR Spark 2025, Sathyabama University.



Sayantani Banerjee (II Year CSE) secured 2nd Place at the EUREKA 2025 Idea Presentation Competition held on 28th August 2025, organized by the E-Cell, Panimalar Engineering College, Chennai.



Mervin V (II Year CSE) showcased exceptional performance at the World Fitness Federation's Mr. Tamil Nadu Championship, winning Gold in College Bodybuilding, Silver in Men's Physique, and Bronze in Senior Bodybuilding (60 kg category).



Praveen S II CSE WON the Karate championship



CSE Students for winning the cricket match at Alpha college, representing Panimalar cricket team







# **Students Achivements**



Ms. Logeshwari V, Ms. Lakshana B.J, and Ms. Keerthana R (II Year CSE) secured 1st Place at the Ignite Pitch '25 – Powered by EUREKA 2025 for their innovative startup idea "Eco Style." The team was felicitated on 28th August 2025 for their outstanding entrepreneurial vision.



Mr. Venkataramana G.S (III Year CSE) won the Gold Medal representing India at the International Karate Championship held in Singapore, bringing pride to the institution.



CSE student entrepreneurs from III and IV Year showcased their innovative products at the Passenger Vehicle Expo 2025 held at the Chennai Trade Centre, demonstrating creativity and technical excellence.



Kabil Preetham K , Cybersecurity Analyst | Al & LLM Researcher , and CSE Allumi gave inspirational talk in Cyper Security Domain







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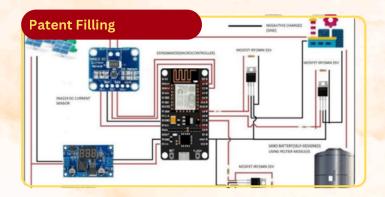
#### **Staff Achivements**



As part of an industry-academia collaboration with Ashok Leyland, the Department of CSE undertook a real-time defect detection project on cast iron engine components, aimed at enabling early defect identification to enhance quality assurance and reduce production losses.



The Panimalar Engineering College Staff Cricket Team secured Second Place in the State-Level Staff Cricket Tournament held at Pollachi Mahalingam Engineering College.



Panimalar Engineering College proudly announced the filing of a patent titled "A Renewable Energy Storage Solution That Converts Heat Energy into Electrical Energy in a Simplified Way" (Application No. 202541014464, filed on 19th February 2025).

The innovation was developed by Mr. Sathya Moorthy K and Ms. Rajalakshmi E (Assistant Professors, CSE) along with students Sanjay M, Sanjayan V.B, Sailappay Mohammed Zuhaib, and Rakesh Kumar S.



CSE faculty members actively participated in NITTTR Faculty Development Programs (FDPs) and Short-Term Courses, enhancing their technical expertise and teaching effectiveness.





