KCG
COLLEGE OF TECHNOLOGY
AFFILIATED TO ANNA UNIVERSITY | AUTONOMOUS

CAMPUS DIARY

EDITORS' NOTE

October 2025 has been a month of excellence across every sphere of our campus life. Our students have continued to make their mark nationally and globally exemplifying the college's commitment to innovation and interdisciplinary excellence. At the Global Startup Summit 2025, KCG Tech's startups stood as models of entrepreneurship and applied technology. Beyond innovation, KCG Tech students continued to excel in sports, Toastmasters and cultural endeavors, with a special highlight being the entry into the Guinness World Records for Silambam. Departments across disciplines enriched the academic atmosphere through guest lectures, workshops and seminars. Adding to the vibrancy, the 2nd National Edition of KCG MUN 2025 and the college's community and wellness initiatives, demonstrated thé compassion and social responsibility. This edition celebrates not just achievements, but the collective spirit of perseverance, purpose and progress.

Happy Reading

EDITORS:

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PALS TurboTech Build Hackathon 2025

S. Raji, a third-year IT student from the College secured 1st Place in the PALS TurboTech Build Hackathon 2025-Industry Hackathon, conducted by IITM PALS in collaboration with **Dr. Sudarsun Santhiappan**, Research Lead & Co-Principal Investigator, CeRAI, IIT Madras. Competing under Problem Statement 2: Multi-label Text Embedding Classification Task, the event saw participation from 26 teams and 244 submissions on the Kaggle platform. His project titled "ICD10 Classification" earned top honors, showcasing innovation & excellence in AI-driven text classification.

PALS ANALYZE 2025

Team AYRUS, comprising **Koushik Scinde P, Surya G, Sriram M & Gokul D** of II Year – Mech secured the Third Place for their project titled "Effective Melt Process Control Technology in Grey Iron Foundries", also Team Technova, comprising **Aarthi Sri T** (III Year – ECE), **Prem Kumar D** (IV Year – CSE), **Devaadharshini S** (III Year – ECE) & **Jinath Kumaran J** (III Year – ECE), secured the Second Place for their project titled "Lifelogs-Enabled Personal Health Record (PHR) for Indian Healthcare" at PALS ANALYZE 2025, conducted by IITM PALS on September 25, 2025, in online mode.

Dr. Kalam Achievers Award

Three student teams from the college brought laurels to the institution by winning at the prestigious Dr. Kalam Achievers Award, organized by the World Youth Federation. The event saw the participation of 931 teams across four locations in Tamil Nadu, out of which 25 teams were selected as awardees — with three teams from the college among the winners.

The Eichhornia Tech team, comprising **Antony Alwin M** (III Year – Automobile), **Hemanathan E** (III Year – Mechanical) & **Ranjitha D** (II Year – CSE), emerged as the Best Achiever Award Winner, securing a cash prize of ₹10,000. The Desperado team, consisting of **Mohamed Shuhail G** (IV Year – ECE), **Mudhassir Habeeb KM** (IV Year – ECE), **Iyaad Luqman K** (III Year – CSE) & **Rithika SK** (III Year – CSE), was also recognized among the top-performing teams. Another proud winner from the institution was Skyknights, represented by III Year AI&DS students **Gopal Krishna Mohanta B, Rajarajan S, Sumanshri R & Gethaareswerri Y**.

Adding to this accomplishment, **Ms. Arthi D** (Assistant Professor – AI&DS), **Dr. Thomas Leonid T** (Associate Professor – ECE) & **Dr. M. Vignesh Kumar** (Associate Professor – Mechanical, Head – PDC) received the Dr. Kalam Best Mentor Award 2025 in recognition of their exceptional guidance and mentorship.

IET Smart City Challenge

Mohamed Shuhail G 4th Year – ECE, **Mudhassir Habeeb KM** 4th year ECE, **Iyaad Luqman K** 3rd Year - CSE & **Rithika SK** 3rd Year CSE represented Team Desperado won First Prize with a cash prize of Rs 25,000 IET Smart City Challenge held by IET Chennai Local Network at Vivanta Chennai.

Ideas to Impact

Balaabirami B-3rd year, CSE, **Haarini C V**-3rd year, CSE, **Faheem Rahman**-3rd year, CSE, **Devi Priya D**-3rd year, CSE, **Kaviya K**-Final year, ECE & **Mudhassir Habeeb KM**-Final year, ECE represented Team Conquerors & received a grant of Rs.50,000 at I2i - Ideas to Impact organised by IIT Madras

HTB Cyber Hackathon

Yukesh Bala M, Karthick A, Sandhiya D & Aravind P S of third year CSE(CYBER SECURITY) secured 3rd place in the HTB Cyber Hackathon organized by SRM UNIVERSITY (Kattankulathur), Chennai, held on 9th & 10th October 2025

Toastmasters

Devisri K of III Year-Aeronautical Engineering received the Engaging Humour Proficient Certification for successfully completing her Pathways Level 3 & 4 Speech Projects in the Engaging Humour track. **Bershiya S** of II Year – EEE was honored with the Division Support Champion Award, a prestigious leadership recognition, for her outstanding contribution to Toastmasters activities.

Sports Achievements

Anna University Inter-Zonal Cricket Championship

The College Cricket Team secured the Third Place at the prestigious Anna University Inter-Zonal Cricket Championship

KCG Tech Excels at Global Startup Summit 2025!

The College made a remarkable mark at the Global Startup Summit (GSS) 2025, held on 4th and 5th October 2025 reflecting its strong culture of innovation and entrepreneurship.

At the TNGSS 2025 Certification Ceremony, students from the college received their Remote Pilot Certificates after completing training from Vayuratha Pvt. Ltd., a successful startup incubated by the institution. The event was graced by Thiru **T. M. Anbarasan**, Honourable MSME Minister of Tamil Nadu, and Thiru S. S. Sivasankar, Honourable Transport Minister of Tamil Nadu. Special appreciation was extended to Mr. Sivarajah Ramanathan, Mission Director & CEO, StartupTN, for his continued support.

KCG's incubated startups also shone at the summit — Vayuratha (drone-based agricultural innovation), Dashagriv (next-gen aerial platforms), and Hyrowah (smart water analysis solutions) showcased their groundbreaking work, demonstrating the impact of technology-driven entrepreneurship.

Adding to the celebrations, Team HackNosis from the college secured 2nd Place at the GSS X Ideation Competition, organized by AIC RAISE and StartupTN. Their innovative product, the Oxygen Concentrating Mask, stood out among 187 teams nationwide. The winning team members include Rohit Prasad M R and Bala Kumaran E (CSE) and Irfan Shariff M (ECE).

World Guinness Record in Silambam

S. Ashwinath, a first-year CSE (AI & ML), has achieved a remarkable feat by successfully completing the World Guinness Record for continuous Silambam freestyle rotation for an impressive 2 hours and 25 minutes. The record attempt was held at St. John's College, Palayamkottai, on October 4, 2025.

FICCI Higher Education Summit 2025

The Hindustan Group of Institutions (HGI) participated in the 20th FICCI Higher Education Summit 2025 on "Changing Paradigms of Higher Education in the Global Landscape", held at Bharat Mandapam, New Delhi, on 6th and 7th October 2025. The event, organized by the Federation of Indian Chambers of Commerce and Industry (FICCI), brought together eminent academicians, policymakers, and global education leaders.

Mr. Enid Verghese Jacob, Deputy Director, HGI, along with **Dr. Prabhakaran**, Dean – Academics and **Dr. Deepa Jose**, Head – Research represented KCG College of Technology at the summit.

The FICCI Higher Education Summit (HES) serves as a premier platform for dialogue on the transformation and evolution of the global higher education ecosystem. The 2025 edition witnessed participation from over 1,000 delegates representing academia, government, industry and international institutions.

The summit featured insightful sessions on emerging trends shaping the future of education, including the role of AI and technology in higher education focusing on collaboration, customization and ethics; research and innovation as the fulcrum of academic transformation; and internationalization of higher education through global engagement models. Discussions also explored institutional excellence in improving the global innovation index, industry collaboration in co-creating the educational landscape, and the role of higher education institutions in addressing e-waste management, achieving net-zero carbon goals, and promoting sustainability.

The sessions collectively emphasized the critical role of educational institutions in fostering innovation, sustainability and global collaboration to redefine the higher education landscape.

Department of Aeronautical and Aerospace Engineering
Guest Lecture on Wind Tunnel

The Department organized a Guest Lecture on Wind Tunnel on 6th October 2025. **Dr E Radhakrishnan**, Professor (Retd), IIT Kanpur was the resource person.

World Space Week

The Department hosted World Space Week 2025 on 9th and 10th October 2025. The event celebrated the spirit of space science and technology, inspiring students to explore, innovate, and envision the future of space exploration.

The celebration featured a range of competitions designed for both college and school students. College participants showcased their creativity and technical expertise through the Space Application Challenge and Space Vehicle Modelling Challenge, while school students actively engaged in a Group Discussion on Space Exploration and an exciting Space Quiz.

Robotics in UAV Systems-Design, Control & Autonomy

The department conducted a workshop on Robotics in UAV systems-Design,control & Autonomy. **Dr E Balasubramanian**, Professor, Department of Mechanical Engineering, NITTR was the resource person.

Industrial Visit

The Department organized an Industrial Visit to Bengaluru for the 3rd Year KCG SAT students on 3rd and 4th October 2025. On the first day, the students visited the UR Rao Satellite Centre (URSC), where they explored real-time satellite models, learned about their specifications, and visited the clean room satellite assembly area, gaining valuable insights into space technology and satellite systems. On the second day, they visited the Visvesvaraya Industrial and Technological Museum, where they explored various thematic galleries. The BEL Hall of Electronics offered a deeper understanding of the role of Artificial Intelligence in modern defence technologies, highlighting advancements in electronics and space applications.

Department of Automobile Engineering
Inauguration of SAE Auto Club

The Department organized the inauguration of the SAE Auto Club on 9th October 2025, marking a significant step toward fostering technical knowledge and industry collaboration among students. The event was graced by **Mr. R. Govindarajan**, Head, Product Development - Global Testing and Validation, Royal Enfield, Chennai, who served as the Chief Guest and inspired students with insights on innovation, engineering excellence, and the evolving trends in the automotive sector. The ceremony was further honored by the presence of distinguished members from the SAEISS MWC Division, including **Dr. P. Baskara Sethupathi**, Secretary, SAEISS, D**r. V. Krithika**, Secretary, SAEISS MWC Division, **Mr. Sathish Gnanaraj**, Founder & CEO, Zeal Zoft Pvt. Ltd. **Mr. Ramakrishnan,** R&D Engineer, Mahindra & Mahindra Pvt. Ltd. & **Dr. P. Arulanandam**, Managing Director, Alpha CADD Engineering and Services.

Department of Computer Science & Engineering
Seminar on JavaFX- Bringing Java Applications to Life

The Department organized a seminar on JavaFX- Bringing Java Applications to Life on 6th October 2025. **Mr. Easwara Narayanan. M**, Technical Architect, Capgemini Technology Services India Pvt. Ltd. was the resource person.

Department of Electronics and Communication Engineering
Paper Presentation

The Department conducted a Paper Presentation on "From Theory to Practice: Implementation and Analysis of Digital Signal Processing Techniques" on 6th October 2025 for third Year students. Students showcased their innovative ideas through creative challenges using Digital Signal Processing (DSP) concepts.

Department of Electrical and Electronics Engineering
Expert Talk on Making World a Better Home
Business Side Opportunities in Renewable Energy

The Department, in association with the IEEE KCG Tech Student Branch, organized an expert talk on "Making World a Better Home - Business Side Opportunities in Renewable Energy" on 6th October 2025.

The session was led by **Mr. Paul Philip A**, Team Lead, RE Power, MRO & General Purchase (Central), Saint-Gobain India Pvt. Ltd., who shared valuable insights into the growing business prospects in the renewable energy sector. He discussed the importance of sustainability, industry trends, and innovative approaches driving the global transition toward clean energy solutions.

IEEE Day

In association with the IEEE Student Chapter, organized a Mini Project Challenge for third-year students on 8th October 2025, as part of the IEEE Day celebrations. On the same day, a Tech Talk titled "Charge Your Mind: Where Curiosity Meets Circuitry" was delivered by **Dr. Thomas John,** EEE Alumnus (2002–2006), Edge Hill University, Lancashire, UK. The session inspired students to explore innovative thinking and practical applications of electrical & electronic systems through hands-on learning & curiosity-driven design.

Faculty Enrichment Program - Research & Innovation Synergy for Sustainable Development in Electrical Engineering

The Department organised a Faculty Enrichment Program on the theme "Research and Innovation Synergy for Sustainable Development in Electrical Engineering" on 11th October 2025. The session aimed to enhance faculty knowledge, encourage research-oriented discussions & promote innovative practices aligned with sustainable development goals.

Prof. **Dr. Niladri Chakraborthy**, DIC, Ph.D (London) & **Dr. L. Ramesh**, FIE, President of The Institute of Green Engineers and Focal Point, United Nations Academic Impact (UNAI), are the resource persons.

The program provided valuable insights into the role of interdisciplinary research and technological innovation in driving sustainability within the field of electrical engineering. It inspired faculty members to integrate global perspectives and green practices into their academic and research pursuits

Department of Information Technology
Workshop on Edge Computing and its Applications

The Department organized a workshop on "Edge Computing and its Applications" on 6th October 2025. The session was led by **Mr. Saravanan Velrajan,** Head of Digital Consulting, Ginkos India, who shared valuable insights on emerging trends and real-world applications of edge computing in the digital era. He emphasized how edge computing enhances data processing efficiency, reduces latency & supports innovations in IoT, AI & cloud integration.

Department of Mechatronics Engineering
IDEA TO IMAGE

The Department conducted a Poster Presentation for II Year Students on 06th October 2025. Students presented posters on trending and innovative topics such as Explainable Reinforcement Learning for Cobots, Modular Snake Robot, Electric Vehicle, Microprocessors in Phones & Types, Smart Medi Card, Programmable Logic Control (PLC), Bio-Signal Integration, Digital Twin Technology and Autonomous Underwater Vehicles.

SYNERGIA

The Department conducted a Mini Project Competition for III Year Students on 7th October 2025. Students designed and demonstrated innovative working models on topics such as: Design and Fabrication of 4 DOF Robotic Arm, Smart Safety Band, Smart Helmet, Autonomous RC Car, Automated Animal Monitoring in Crop Fields, Women & Kids Safety Device, Obstacle Avoiding Robot, Smart Irrigation System, Footstep Energy Generator, Smart Agriculture Robot and Automatic Speed Limit Controller

School of Fashion Technology
Inauguration of TAI students' chapter

The Department inaugurated the Textile Association of India-Students Chapter on 15th October 2025. **Mr. Kanthimathinathan**, Joint Secretary, Textile Association of India, served as the Chief Guest & **Mr. Sivaramakrishnan**, Management Committee Member, TAI, graced the occasion as the Guest of Honour. The event marked a significant step toward fostering professional engagement and industry collaboration among textile students.

Department of Masters of Computer Applications
Power Seminar on Block Chain Technologies

The Department organised a Power Seminar on Block Chain Technologies on 8th October 2025. **Mr. Arjun Vijay,** Chief Operating Officer & Founder, Giottus Technologies was the resource person.

International Affairs and Higher Education

International Workshop on To Create Flow to Create Future

An International Workshop on "To Create Flow Future" on 17th October 2025. The session aimed to provide participants with global insights into advanced fluidic systems and their industrial applications, bridging the gap between academic learning and real-world innovation.

The guest speakers for the workshop were **Mr. Venkatesh Aditya**, Global Sales Manager, Takasago Fluidic Systems, **Mr. Voonna Sarath Chandra**, Lead Sales Engineer, Takasago Fluidic Systems & **Mr. Hari Prasad Thiyagarajan**, Director, A&S Industrial Pvt. Ltd.

The workshop offered an engaging platform for students and faculty to understand the evolving trends in fluidic technologies, fostering international collaboration and industry exposure.

Events

Spreading the Joy of Diwali

On the occasion of Diwali, the management distributed festive gift hampers to all staff members on 17th October 2025 as a token of appreciation and goodwill.

KCG MUN

The KCG Model United Nations 2025, the 2nd National Edition, was hosted by the college from October 3 to 5, 2025, under the theme "Empathy in Words, Strength in Unity, Hope in Action."

The inaugural ceremony, held on October 3, 2025, was graced by **Mr. Alexander Dodonov**, Vice Consul and Director, Russian House, Chennai, as the Chief Guest, & **Dr. Kannan Rajarathinam**, Former Diplomat, United Nations, and Adjunct Professor, School of Law, University of Georgia, as the Guest of Honour. Both guests inspired delegates to embrace diplomacy, empathy, and global awareness through dialogue and collaboration.

The conference featured seven committees-UNHRC, UNGA-DISEC, UNSC, UNODC, AIPPM, FIFA Committee, and the International Press Corps - engaging young delegates in meaningful discussions and resolutions on global and national issues.

The valedictory ceremony, held on October 5, 2025, had **Mr. Rajesh R**. Trivedi, Co-Founder & Managing Trustee, ALERT, and Ashoka Fellow, as the Chief Guest, and **Mr. Ayush R**, Lead - Customer Success and Account Management (Australia & New Zealand), Freshworks, as the Guest of Honour. They lauded the students for their confidence, research depth, and leadership skills.

The three-day event successfully nurtured critical thinking, teamwork, and global citizenship among participants

Department of Science & Engineering
Linguaquest'25

The Department of English organized an intercollegiate fest titled "Linguaquest – Master English for Engineers" on 8th October 2025. The fest was inaugurated by **Mr. Sivakumar Palaniappan**, Leadership Alchemist and Mindset Coach, Thinkfluence Global, who delivered an inspiring address on communication and confidence building. The event aimed to enhance the linguistic proficiency and creative expression of engineering students through engaging activities. Various competitions such as Poet Writing & Recitation, Debate, Elocution, Spell Bee, Block & Tackle, and Word Games were conducted. The winners were felicitated during the valedictory ceremony.

Holistic Well-being at Campus
Mega Rice Donation Drive

KCG NCC Company in association with the Y Service Club of Chennai, Karapakkam organised a Mega Rice Donation Drive on 9th October 2025. The initiative aimed to promote social responsibility and community welfare among students by encouraging them to contribute towards eradicating hunger.

Students, faculty, and staff actively participated in the drive by donating rice, symbolising unity and compassion under the theme "Together We Shared, Together Against Hunger."

World Mental Health Day

The Wellness Club of the college, in association with the Y Service Club of Chennai, Karapakkam, observed World Mental Health Day 2025 on 11th October 2025. The session focused on the theme "Access to Services – Mental Health in Catastrophes and Emergencies," highlighting the importance of timely support and awareness during crisis situations.

Dr. Anand Kishore, MBBS, MD (Psychiatry), In-House Psychiatrist at Shadithya Psychiatric Hospital, served as the Chief Guest & **Mr. V. Venkatesan**, Assistant Commissioner of Police, Semmenchery Range, Tambaram City Police, graced the occasion as the Guest of Honour.

The event emphasized the need to build resilience, promote mental well-being, and ensure accessible mental health services during challenging times. It served as a meaningful reminder of the collective responsibility to nurture mental health within communities.

ALERT Golden Army – KCG Tech Club

First Aid Training Program was conducted on 17th October 2025. **Ms. Rekha Sreekumar,** Assistant Manager, Social Initiatives – ALERT (NGO), served as the resource person and trained participants on essential life-saving techniques and emergency response skills. The session aimed to enhance awareness and preparedness among students to act effectively during medical emergencies.

Publication in SCI Indexed Journals - October 2025

Authors	Journal Name	Article Title	Impact Factor	ISSN	Indexing
Dr.T. Anuradha, Prof & HOD Dept. of EEE	Journal of Energy Storage	A Hybrid neural architecture for enhanced lithium-ion battery SOH estimation and RUL prediction	9.8	https://doi.org/10.1016/j.est.2025.119019	SCI, Anna University Annexure I, Q1 Journal
Dr. Z. Edward Kennedy Prof & Dean IQAC, Dept of Mechanical **Ms. Priya Bijesh** Asst. prof., Dept. of Chemistry **Dr.Mohammed Zakriya** Assoc. prof Dept. of FT **Dr.V. Andal** Associate Prof., Dept. of Chemistry	Springer Nature - Discover Nano	Effect of $NiZn_2O_4$/epoxy nanocomposite as corrosion inhibitors on mild steel	34.9	https://link.springer.com/article/10.1186/s11671-025-04302-x E-ISSN: 2731-9229	SCI, AU Annexure I, Q1 Journal
Dr. Anju A Assistant Prof Dept. of IT	Knowledge-Based Systems	Enhanced deep learning and quantum variational classifier for large-scale data analysis	7.6	https://doi.org/10.1016/j.knosys.2025.114611	SCI, AU Annexure I, Q1 Journal
Dr.Deepa Jose Prof & Research Head Dept of ECE	Journal of the Chinese institute of engineers	Hybrid quantum-classical framework for optimizing low-power VLSI circuits in IoTdevices	1.2	https://doi.org/10.1080/02533839.2025.2557225	SCI, AU Annexure I, Q2 Journal
Dr. Seeniappan Kaliappan Prof, Dept of Mechanical Engg., **Dr Kavitha Balamurugan** Prof & Head, Dept of ECE	Springer Nature – Materials in Electronics	Sustainable EMI shielding in flexible PVA matrix using Cymbopogon citratus-derived ZnO nanoparticles & natural fiber hybridization	2.8	https://link.springer.com/article/10.1007/s10854-025-15536-x	SCI, AU Annexure I, Q2 Journal
	International Journal of Advanced Manufacturing Technology	Surface-modified horsetail biosilica infused polyhydroxyalkanoate additively printed composite: mechanical, tribological & flammability properties	3.1	https://link.springer.com/article/10.1007/s00170-025-16753-8	SCI, AU Annexure I, Q2 Journal

23 Papers got published & indexed in Scopus during October 2025.

CAMPUS FACILITIES

DST Supported FIST Lab

Car Simulator

KCG Space Technology Center

Aero Hangar

Link Flight Simulator

Bosch Certified Training Centre

NCC

Gymnasium

Inferno Racing

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