



KCG

COLLEGE OF TECHNOLOGY
AFFILIATED TO ANNA UNIVERSITY | AUTONOMOUS



Vol. No.4 | Issue No. 02 | February 2025

EDITORS' NOTE

Dear Reader,

This Edition of our newsletter showcases the remarkable achievements of our students and faculty, reflecting our institution's dynamic spirit. Honouring the vision of our Founder Chairman, Dr KCG Verghese - "To make every man a success and no man a failure"- we continue to empower future-ready professionals. Our recognition in the Technology & AI Education Rankings 2025 reaffirms this commitment. From groundbreaking projects to cultural excellence, our students shine across domains. Strengthening industry collaboration through MoUs with ERNET India and SolidPro Engineering Solutions, we foster innovation and skill development. Our educational sessions equip students with cutting-edge knowledge, shaping a future of limitless possibilities.

Together, we move forward, transforming aspirations into achievements and shaping a future driven by excellence and innovation. Happy Reading!



EDITORS:

Dr. R. Jaya

Associate Professor,
Department of English
Head - Student Affairs

Ms. Tephilla Joice P

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TRIBUTE TO FOUNDER CHAIRMAN

The Principal, Heads, and faculty members gathered on 14th February 2025 at the campus to pay honorable tribute to Founder Chairman **Dr. KCG Verghese** on his memorial day. His visionary words, "**To make every man a success and no man a failure**," continue to inspire all who walk this path of knowledge and excellence.



Awards & Accolades



The College is proud to be recognized in the Technology & AI Education Rankings 2025 under the prestigious A2 - Institutions of Transformative Learning category by Chronicles of India.

VISAI 2025

Team Tech Innovate has achieved a remarkable feat at VISAI 2025, the 15th International Project Competition and Exhibition, organized in association with the Indian National Commission for Cooperation, UNESCO. Their project, AirCloud – Photocatalytic Outdoor Air Purification, secured Second Prize under the theme Industry, Innovation, and Infrastructure, earning well-deserved recognition for their path-breaking innovation.

Competing against 44 teams in the finals, **Rishab Murthi K**, **Mohamed Razeetha M**, and **Ranjith Kumar G**-final-year students from the Department of ECE—stood out for their ingenuity and technical excellence, showcasing their commitment to impactful solutions.



Shristi 2025

At Srishti 2025 – Innovatex 2K24, organized by SAINTGITS College of Engineering, 1,192 teams registered, with 132 teams advancing to the final expo across 12 departments after three rigorous rounds of evaluation.

Team Infinite Reality, consisting of **Abishek J A** (4th Year - ECE), **Prathyush Hariharan M R** (4th Year - AI&DS), **Amritha D S** (3rd Year - AI&DS), **Kowshik K** (3rd Year - Civil), and **Jyotsna T** (2nd Year - CSE), secured First Place with a cash prize of ₹12,000. The team was mentored by **Dr. M. Vignesh Kumar** (Associate Professor - Mech) and **Ms. Arthi D** (Assistant Professor - AI&DS).



Team Neocare, comprising **Sudarshan** (4th Year - AI&DS), **Shandon Samuel** (4th Year - AI&DS), **Poornasivan Y S** (3rd Year - ECE), and **Harisubiksha** (1st Year - EEE), also secured First Place with a cash prize of ₹12,000. The team was guided by **Dr. M. Vignesh Kumar** (Associate Professor - Mech) and **Ms. Arthi D** (Assistant Professor - AI&DS).

Team NeuConn, featuring **Kaviya K** (3rd Year - ECE), **Priyanka P** (3rd Year - AI&DS), **Sanjana J** (3rd Year - AI&DS), **Harini B** (2nd Year - CSE), and **Akalya K** (2nd Year - AI&DS), secured Second Place. Their mentors were **Dr. M. Vignesh Kumar** (Associate Professor - Mech) and **Ms. Arthi D** (Assistant Professor - AI&DS).



Under the theme Health Care Innovation, Team Desperado, including **Mohamed Shuhail G** (3rd Year - ECE), **Mudhassir Habeeb KM** (3rd Year - ECE), **Iyaad Luqman K** (2nd Year - CSE), and **Rithika SK** (2nd Year - CSE), secured Second Place. The team was mentored by **Dr. Cloudin S** (Head of Department - CSE) and **Dr. Thomas Leonid T** (Associate Professor - ECE).

Under the theme Human-Centric Design, Team Aquatch, consisting of **Mohammad Roshan Ibrahim** (3rd Year - AI&DS), **Hibha Thasleem T** (3rd Year - AI&DS), **Bala Murugan P** (3rd Year - AI&DS), **Muhammad Zayd Z** (3rd Year - ECE), and **Sowmiya Nagaraj** (3rd Year - AI&DS), also secured Second Place. Their mentors were **Dr. Krishnamurthy M** (Head of Department - AI&DS) and **Ms. G. Jayanthi** (Assistant Professor - Department of Chemistry).



Smarthaton

Team Desperado secured First Prize in the AI & ML Domain at Smarthaton, a 24-hour National Level Hackathon held on February 27 and 28, organized by St. Joseph's College of Engineering in association with L&T and IEEE Industry Application Society. The competition received 300 registrations nationwide, with 55 teams shortlisted for the AI & ML category.

Mohamed Shuhail G (3rd Year, ECE), **Mudhassir Habeeb K M** (3rd Year, ECE), **Iyaad Luqman K** (2nd Year, CSE), and **Rithika SK** (2nd Year, CSE), under the mentorship of **Dr. Cloudin S**, Head of the CSE Department, and **Dr. Thomas Leonid T**, Associate Professor, ECE, won First Prize with a cash award of ₹10,000 for their project VSPECS in the AI & ML Domain.



Makers Arena 2025

Team Sustainable Auto Equipment from the college secured Third Prize with special recognition at Makers Arena 2025 under the theme "Tech Visionary" for their project "Automatic Flushing System (Purely Mechanical)". Out of 74 shortlisted teams, **Kowshik** (3rd Year, Civil), **Subaleka** (3rd Year, EEE), **Sushmitha** (3rd Year, CSE), **Arivind** (3rd Year, Civil), and **Abilash** (3rd Year, Civil) stood out for their innovation and have been promised funding for a startup. The team was mentored by **Ms. R. L. Lija**, Assistant Professor, Civil Department.



Best Director Award

Keerthan Saravanan from first year, Aeronautical Engineering won BEST DIRECTOR AWARD in the short film competition organised by MOP Vaishnav College



Hindotsav 2K25

The dance team secured Second Prize at Hindotsav, an intercollegiate cultural competition organized by Hindustan College of Arts and Science, Chennai, winning a cash prize of ₹10,000. The team comprised **Subaash Karthik** (3rd Year, EEE), **Aruna T** (3rd Year, AERO), **Aswathi S** (2nd Year, ECE), **Diwakar** (2nd Year, MTR), **Sanjay** (1st Year, IT), **Pandeesh** (1st Year, EEE), **Lathika S** (1st Year, Aerospace), **Hema** (1st Year, IT), and **Vishvanya** (1st Year, CS).

Additionally, **Subaash Karthik** (3rd Year, EEE) and **Aswathi S** (2nd Year, ECE) won Second Prize in the Duo Dance category, receiving a cash prize of ₹2,000.



MoU

Solidpro

The College has signed a MoU with SolidPro Engineering Solutions, a leader in engineering design, manufacturing solutions, and product lifecycle management on 6th February 2025. This strategic collaboration marks a significant step in enhancing industry-academia integration, equipping our students with cutting-edge skills in CAD, CAE, and digital manufacturing.

Through this partnership, KCG Tech students will gain Hands-on training in advanced design and simulation tools, Industry-driven workshops & internships for real-world exposure, collaborative research opportunities in next-gen engineering solutions and career-building pathways with access to top industry experts



Memorandum of Understanding

ERNET India

The College and the Education and Research Network (ERNET) India, Ministry of Electronics & IT, Government of India, signed a Memorandum of Understanding (MoU) on 10th February 2025 in the presence of **Shri Sanjeev Banzal**, Director General of ERNET India, **Dr. Paventhan**, Sr. Director (R&D), Scientist-G, ERNET India, , Director of KCG College of Technology and **Mr. Enid Verghese Jacob**, Deputy Director of Hindustan Group of Institutions. This landmark MoU will foster collaboration in research, training, and development in key technological domains such as Networking, IoT, Quantum Communications, Cyber Security, AI and Machine Learning, and Optical Communication. It also aims to facilitate joint training programs, workshops, seminars, and conferences.

Furthermore, the agreement encourages ERNET personnel to pursue Ph.D./M.S. (Research) degrees at KCG Tech and allows ERNET scientists to act as research supervisors alongside KCG Tech faculty. The collaboration will also extend to syllabus framing and the potential establishment of a Centre of Excellence.



Educational Session

Panel Discussion: Aviation Manufacturing & MRO: Workforce Development & Training

Dr. R. Asad Ahmed had the esteemed privilege of representing KCG College of Technology as a panelist in the discussion on "Aviation Manufacturing & MRO: Workforce Development & Training" at the Andromeda Lecture Theatre, HITS Chennai, on 19th February 2025. The event, graced by Dr. Anand Jacob Verghese, Honourable Chancellor of HITS, brought together industry leaders to deliberate on the evolving landscape of aviation workforce development.

A highlight of the event was an insightful interaction between KCG Tech students and Boeing Everett USA's Manufacturing Engineering Experts, Mr. Lee and Mr. Chris. The discussion explored pathways to global careers, with Mr. Lee shedding light on Boeing's Build Program, internship prospects, and professional growth opportunities.



Department of Aeronautical and Aerospace Engineering Panel Discussion

The Department hosted a distinguished panel discussion on 7th February 2025, focusing on the current state of India's aviation ecosystem, its challenges, and opportunities.

The panel featured **Dr. Ganeshram Nandakumar**, Co-founder & CEO, Tunga Aerospace Industries Pvt. Ltd., **Mr. Senthamil Selvan P**, Vice President of Engineering, The ePlane Company and **Dr. Dinesh M**, Chief Technology Officer, Avironix Pvt. Ltd.



Dr. Nandakumar emphasized the need for sustained investment in infrastructure and technology to drive growth in India's aviation sector. Mr. Selvan highlighted The ePlane Company's milestone achievement as the first Indian electric aircraft firm to receive Design Organisation Approval from the Directorate General of Civil Aviation, marking a breakthrough in urban air mobility. Dr. Dinesh showcased Avironix's advancements in developing indigenous drones for agriculture, enterprise, and defense applications, reinforcing the company's commitment to innovation and sustainability.

The discussion underscored the importance of collaboration among industry stakeholders, policymakers, and academia to overcome challenges and seize emerging opportunities, paving the way for a future of innovation and sustainability in India's aviation sector.

Workshop on Drone Operations

3 day Hands on Workshop on Drone Operations was organised from 26th to 28th February 2025. **Mr Mohan Rishikesh**, CEO, Vayuratha Pvt Ltd was the resource person



Department of Artificial Engineering AI for All: The Future Begins Here

The department took a visionary leap into the future with the AI Affirmation Pledge on 7th February 2025, uniting students, faculty, and AI enthusiasts in a commitment to responsible AI innovation. The event featured insightful discussions on AI's transformative role across industries and an engaging hands-on session by **Mr. Shankar Ramasubramanian**, DGM, Competency Head – Data Analytics & AI/ML, highlighting its vast potential. Through the AI Affirmation Pledge, students pledged to harness AI ethically, ensuring technology serves humanity for a better future.



Department of Computer Science & Engineering (Cybersecurity) Workshop on Hack the Future



The department organised a one day workshop on Hack the Future: Cyber Security & Ethical Hacking on 1st February 2025. **Mr R Pradeep Kumar**, Founder & CEO, PK Rain Technologies was the resource person.

Guest Lecture on AI Threats to Cyber World

Guest Lecture on AI Threats to Cyber world was organised on 19th February 2025. **Dr Pradeep V.M**, Head of Cyber Security, Ladera Technology Pvt Ltd was the resource person.



Department of Electronics and Communication Engineering Workshop on Designing IoT based Embedded Systems

The department organised a workshop on Designing IoT based Embedded Systems Utilising STM32 ARM Cortex Microcontroller on 15th February 2025. **Ms Divya K**, Project Engineer – Embedded System Design, IPCS Global, Chennai was the resource person.



School of Fashion Technology Workshop on Concept to Collection

Ms Sanjana Ravi, Deputy Manager – Design, Modenik Lifestyle Pvt Ltd., Bangalore led the workshop on Concept to Collection: The Art of Fashion Product Development on 15th February 2025



Workshop on Fashion Illustration & Portfolio Presentation

Workshop on Fashion Illustration and Portfolio Presentation was held on 17th and 18th February 2025. **Ms Freya**, Fashion Illustrator and Educator was the resource person.



Webinar on Digital Fashion Tech & AI

A Two day webinar on Digital Fashion Tech & AI: Exploring Digital Tools in the Virtual Fashion Era was held on 20th and 21st February 2025. **Ms Sonia Jha**, Founder – INTERACT.ED. Bengaluru was the resource person.



The Centre for Transformational Leadership Seminar on Student's Design Thinking Journey: From Ideas to Impact

Ms. Jennifer V, a final-year student from the Department of ECE and a dedicated CTL member, led a seminar on Students' Design Thinking Journey: From Ideas to Impact. She shared her experiences, victories, and key learnings, inspiring her juniors with insights from her transformative journey in design thinking.



Workshop on Leadership Skills

The session "Unlocking the Art of Impactful Leadership," led by **George Koshi**, Director of Learning and Development at Sify Technologies, on 15th February 2025, explored key leadership traits and the four primary personality types—Melancholic (analytical), Choleric (assertive), Sanguine (outgoing), and Phlegmatic (calm). A personality test helped participants identify their dominant type, offering insights into stress responses, communication styles, strengths, and leadership potential. The session empowered leaders to leverage personality dynamics for stronger teams, better decision-making, and impactful results.



Office of Alumni Affairs

Panel Discussion on We have Miles to Go

Panel Discussion on We have Miles to Go was conducted on 22nd February 2025 for the students. The discussion aimed at giving an insight into industry expectations, facing competitive exams and building confidence for the current students. The panelists **Ms Hemamalini Nithyanandam** (IT 2010), Software Designer VI, HP Inc, **Dr R Raj kumar** (CSE 2010), Associate Professor, SRMIST, **Ms Ramya Manickavel** (ECE 2013), Assistant Professor, KCG Tech, **Mr Jonadab Theodore** (ECE 2020), Senior Research Analyst, CRISIL Global Research & Risk Solutions and **Ms Renu Ravindran** (ECE 2021), Founder, The SEL Academy encouraged the students to ideate, improve technical and communication skills and build on their confidence. The discussion was thought-provoking, enterprising and invigorating.



National Science Day

On account of National Science Day, Department of Science & Humanities organised a Quiz and Poster Making contest under the theme Empowering Indian Youth for Global Leadership in Science & Innovation for Viksit Bharat for first year students on 28th February 2025.



Events

World Radio Day – Big FM Making Waves

Dr. M. Muthukannan, Principal, and Dr. Banu Rekha, FT HoD, along with FT students, participated in the "World Radio Day – Big FM Making Waves" event on February 13, 2025, at 4:30 PM at Girls' Higher Secondary School, Saidapet. The event celebrated and honored the real heroes behind Big FM's Namma Ooru Namma Gethu initiative.

As part of the Eco Carnival conducted by Big FM, FT students contributed a floral installation upcycled from 10 kg of pre-loved cloth and a wall hanging upcycled from 1 kg of pre-loved cloth. This upcycled wall hanging was presented to the Chief Guest, Thiru. Ma. Subramanian, Honourable Minister for Health & Family Welfare.



IIT PALS Innawah

The semi-finals of IIT PALS Innawah, held on 1st February at our college campus, showcased groundbreaking student projects that pushed the boundaries of technology and sustainability. From AI-driven solutions to eco-friendly innovations, our young technocrats demonstrated exceptional creativity and problem-solving skills, redefining the future with their visionary ideas.



Speak for India

KCG College of Technology was the proud host of the world's biggest college debate contest, Speak for India – South India Edition 2025, on February 27, 2025. The stage came alive as passionate young debaters from across the nation showcased their intellect, confidence, and persuasive skills.

With thought-provoking arguments and dynamic exchanges, the event highlighted the power of words in shaping perspectives and inspiring change. The competition was fierce, the energy was electrifying, and the talent on display was truly remarkable. Joel Saldanha of 1st year Aerospace has qualified to contest at Zonal Level.



Aero India 2025

Students and faculty participated in Aero India 2025, held from 10th to 14th February, 2025, Asia's largest military aviation exhibition, experiencing cutting-edge aerospace innovations, advanced defense technologies, and live aerial displays that highlighted the future of aviation. The event offered a platform to engage with industry leaders, explore the latest breakthroughs, and gain insights into the evolving landscape of aerospace engineering.



Publication in SCI Indexed Journals - February 2025

Authors	Journal Name	Article Title	Impact Factor	ISSN	Indexing
Dr. Seeniappan Kaliappan , Dept. of Mechanical Engineering	International Journal of Photoenergy	Investigation of Concentrated Semitransparent Photovoltaic System for Hot and Humid Climatic Conditions	2.1	1110-662X	SCI, Anna University Annexure I, Q2 Journal
	Materials Research Ibero-american Journal of Materials	Influence of Heat Treated Manihot Esculenta Biosilica on Friction Stir Welded AA 6065-Al ₂ O ₃ Metal Matrix Composite and Microstructural, Mechanical, and Fatigue Analysis	1.5	1516-1439	SCI, Anna University Annexure I, Q3 Journal
Dr. T. Anuradha , Dept. of Electrical and Electronics Engineering	Optimal Control Applications and Methods	An Intelligent Electric Vehicle Charging System in a Smart Grid Using Artificial Intelligence	1.9	1099-1514	SCI, Anna University Annexure I, Q1 Journal
Dr. Rajamurugu Natarajan , Dept. of Aerospace Engineering	Scientific Reports	Parametric optimization of flow in a solar chimney power plant under variable semi elliptical constraints	3.8	2045-2322	SCI, Anna University Annexure I, Q1 Journal

12 papers got published and indexed in Scopus during February 2025

Doctorate Completed Details at KCG TECH Anna University Nodal Research Center

Ph.D. Scholar & Supervisor	Thesis Title	Date of Viva- Voce	University
Pradeep kumar S , Ph.D Part-Time scholar at KCG Research Centre,/ Dr.G.Prabhakaran , Professor , Dept. of Mechanical Engineering	Effect of Modified Nanosilica on the Mechanical Properties and Swelling Resistance of Nr/Epdm Rubber Blend Composites	24.02.2025 & 10:30-AM	KCG Tech Mechanical Research Center- Anna University



CAMPUS FACILITIES



DST Supported FIST Lab



Car Simulator



Gymnasium



Aero Hangar



Link Flight Simulator



Bosch Certified Training Centre



NCC



Horse Riding



Inferno Racing



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