



# KCG

COLLEGE OF TECHNOLOGY  
AFFILIATED TO ANNA UNIVERSITY | AUTONOMOUS

## EDITORS' NOTE

Dear Reader,

The December 2025 marked a memorable and fulfilling chapter in KCG Tech's journey, bringing together national recognitions, student triumphs and meaningful global collaborations. From prestigious awards in Women in STEM and institutional happiness to multiple hackathon victories and high-impact academic forums, every achievement reflected our commitment to excellence and innovation. As Christmas filled the campus with warmth, joy and togetherness, the conclusion of the examination season brought a sense of relief and accomplishment to our students and faculty alike. With the New Year ahead, we look back on 2025 as a truly comfortable and inspiring year for KCG Tech-one defined by growth, harmony and future-ready progress.

Happy Reading and Happy New Year.

### EDITORS:

**Dr. R. Jaya**

Associate Professor,  
Department of English  
Head - Student Affairs

**Ms. Tephilla Joice P**

Assistant Professor,  
Department of Mathematics





## Awards & Accolades

### Women in STEM

The College has been conferred the prestigious CII Award, earning a place among the Top 10 Institutions for Excellence in Women in STEM. This national recognition underscores the institution's sustained commitment to fostering an inclusive academic ecosystem where women are empowered to excel, lead and innovate across science, technology, engineering and mathematics. The award was felicitated in New Delhi on 17 December 2025 by a distinguished panel of global and national leaders, including: **Dr. Chandrika Kaushik**, Distinguished Scientist and Director General, DRDO, Government of India, **Ms. Inge Buffolo**, Director, European Union Intellectual Property Office (EUIPO), **Ms. Vaishali Nigam Sinha**, Chair, CII Women in STEM Initiatives and Chief Sustainability Officer, ReNew & Chair, ReNew Foundation & **Dr. Ashish Mohan**, Executive Director, CII.



### Institution of Happiness (IOH) Award

The College has been honoured with the QS I-GAUGE-Institution of Happiness (IOH) Award.





## SIH 2025

Smart India Hackathon (SIH) 2025 marked a proud milestone for the College, with three outstanding teams emerging victorious at this prestigious national initiative launched by the Hon'ble Prime Minister Shri Narendra Modi under the Ministry of Education, Government of India.

- Team Kingpin clinched the Smart India Hackathon 2025 – Software Edition Championship, securing a cash prize of ₹ 1.5 lakh.
- Team Kinetiq emerged as winners of the Smart India Hackathon 2025 – Hardware Edition, earning the top position and a cash prize of ₹ 1.5 lakh for their innovative solution.
- Team Macgyver was declared Joint Winner of the Smart India Hackathon 2025 – Hardware Edition, recognized for their exceptional hardware prototype and technical solution, and awarded a cash prize of ₹ 75,000.

Team Kinetiq



Team Kingpin



Team Macgyver





## Awards and Accolades

### Planet Action Waste Hackathon

Team Eichhornia, comprising **Hemanathan E.** (III Year-Mech), **Ranjitha D.** (II Year-CSE), **Gauvdam P.** (II Year – Mech), **Antony Alwin M.** (III Year – Automobile) & **Bharanidharan K. P.** (III Year – EEE), emerged as the winners of the Planet Action Waste Hackathon organized by the Environmental Foundation of India in association with Ford Private Limited. The team was awarded a grant of ₹3,00,000 in recognition of their innovative and sustainable solution.



### Residential Student Workshop

Team Be emerged as the winners of the Residential Student Workshop conducted by PALS, IIT Madras, held in offline mode from 22nd to 24th December 2025. The workshop witnessed the participation of 30 teams, of which six teams were shortlisted for the finals.

Team Be secured First Place for their project titled "Predicting IPL Team Match Wins." The winning team comprised **Devika M.** (II Year – Mechanical Engg, KCG College of Technology) along with other college students Team.



## MoU

### Memorandum of Understanding

The College has signed a strategic Memorandum of Understanding (MoU) with the School of Design Thinking (SoDT) on 9th December 2025, marking a meaningful step forward in advancing innovation-led learning and design-centric education. The MoU was formally exchanged between Dr. Annie Jacob and Dr. Anbu Rathinavel, Chief Design Officer, Intellect Design Arena Ltd., and Co-Founder & Head, SoDT, reinforcing a strong academia - industry collaboration aimed at nurturing creative problem-solvers and future-ready professionals. As a gesture of appreciation, Dr. Anbu Rathinavel was felicitated by Mr. Enid Verghese Jacob, Deputy Director, HGI, underscoring the shared commitment to fostering impactful learning experiences for students.





## International Conference on Quantum Horizons 2025

The International Conference on Quantum Horizons 2025: Materials, Intelligent Technology and a Sustainable Future, jointly hosted by Hindustan Institute of Technology and Science and KCG College of Technology, was held on 18th and 19th December 2025. The conference served as a vibrant platform for intellectual exchange, interdisciplinary dialogue, and visionary thought leadership, bringing together eminent academicians, industry experts, researchers, and students to deliberate on transformative ideas shaping the future of science, technology, and sustainability.

Day 2 of the conference, hosted at KCG College of Technology, commenced with a welcome address by Dr. M. Muthukannan, Principal, followed by a special address by Mr. Enid Verghese Jacob, who highlighted the role of such forums in fostering research excellence, innovation, and global perspectives among young scholars. The Chief Guest, Mr. Ganta Srinath Reddy, delivered an inspiring address on India's rise as a global startup and unicorn ecosystem, emphasizing the growing impact of Artificial Intelligence, its relevance to Gen Z, and the transformative potential of Agentic AI across industries and society.

The keynote sessions added significant academic depth to the conference. Prof. Karen Wilson presented an insightful talk on aligning Sustainable Development Goals (SDGs) with advanced material innovations, underscoring the importance of responsible scientific advancement. Prof. Adam Lee complemented this with a session on advanced catalysts and sustainable waste valorisation, highlighting pathways toward circular economies and environmentally sustainable technologies.

The conference concluded with a valedictory address by Mr. Ajayan Vinu, who reflected on the deliberations and emphasized the importance of collaborative research in addressing global challenges. The event culminated with the felicitation of outstanding paper presentation awardees, celebrating research excellence, originality, and academic rigor.





KCG - IET

### IET - 6 Days FDP on Cyber Security in Action: Practical Approaches for 21st Century Educators

The Department of CSE(CS) in association with IET organized a 6 days FDP on Cyber Security in Action: Practical Approaches for 21st Century Educators from 1st to 6th December 2025.



### Industry – Institution Summit 7.0

The College organized the Industry – Institution Summit 7.0 on 16th and 17th December 2025, themed "Cyber Security, Data Privacy and Resilient Systems", in association with Nokia Solutions and Networks India Limited, with the support of the Institution of Engineering and Technology (IET). The two-day summit served as a dynamic platform for integrating industry expertise with academic innovation, fostering meaningful knowledge exchange and collaborative engagement.

The summit witnessed an impressive participation of over 700 students in panel discussions and 241 enthusiastic entries in various competitions, making it a vibrant and inclusive intercollegiate academic event with significant participation from students of institutions beyond the host college.





## Department of Aeronautical & Aerospace Engineering AR&DB–Academia Interaction on Research Opportunities and Challenges in Aerospace Applications

The Department organized the AR&DB - Academia Interaction on Research Opportunities and Challenges in Aerospace Applications on 22nd and 23rd December 2025, co-hosted by the Aerodynamics Panel of AR&DB and the Aeronautical Society of India (AeSI), Chennai Branch. Senior scientists from DRDO and AR&DB delivered technical sessions on aerospace research challenges, funding opportunities, and strategic directions, followed by interactive discussions with faculty members. Outstanding Aeronautical and Aerospace Engineering students were felicitated for their academic and research achievements, and participants were given a guided tour of KCG Tech laboratories and research facilities.

On Day 2, the AR&DB Aerodynamics Panel Project Review Meeting was held at the college, where eminent AR&DB and DRDO scientists, along with online expert members, reviewed 11 research proposals, including a new project proposal from KCG Tech faculty. The programme concluded with an interaction session, reaffirming the institution's commitment to strengthening research culture and collaboration with national research organizations.



## Department of Civil Engineering Short Term Training Programme

The Department Conducted a Five Day Online Short Term Training Programme (STTP) on Affordable Housing in Disaster Prone Areas from 15th to 19th Dec 2025, **Dr. Amit Goyal**, Department of Rural Development was the Resource person.

Five Day Online Short Term Training Programme (STTP)  
on  
**Affordable Housing  
in Disaster Prone Areas**  
as a Remote Center with the National Institute of Technical  
Teachers Training & Research, Chandigarh (NITTTR)

Scan to Register

Coordinator-NITTTR  
**Dr. Amit Goyal**  
Department of Rural Development



### Department of ECE

## Semiconductor Devices, Fabrication & Layout Design

The Department conducted a 5 Day FDP on Semiconductor Devices, Fabrication & Layout Design sponsored by MeitY and ICT Academy from 1st to 5th December 2025. The FDP provided comprehensive insights into semiconductor physics fundamentals, fabrication process flow, MOSFET device modeling and layout design concepts. Participants also gained exposure to advanced layout techniques, parasitic extraction, fabrication technologies, along with hands-on training using EDA tools for layout design and verification, enhancing both theoretical understanding and practical competence.



### Department of EEE

## National Conservation Day

In association with the Institution of Green Engineers, National Conservation Day 2025 was observed by organizing various awareness programmes and activities on campus and in the community, aimed at educating students and the public on the importance of energy conservation and sustainable practices. The initiatives emphasized responsible energy usage and encouraged collective action towards a greener and more sustainable future.





## School of Fashion Technology

### FDP on AI-Driven Fashion Innovation-from Ideation to Digital Garment Visualization TUKA CAD & TUKA3D

The Department conducted a 3 Days FDP on AI-Driven Fashion innovation-from Ideation to digital garment visualization TUKA CAD & TUKA3D in association with C CUBE Technologies and TUKATECH from 4th to 6th December 2025.



## Training Programme on Supply Chain Management

III Year B.Tech Fashion Technology students participated in a Training Programme on Supply Chain Management organized by TANSTIA, Chennai, on 19th December 2025. The programme provided students with valuable insights into supply chain operations, logistics, and industry-relevant practices.





## Educational Session

### Office of International Affairs and Higher Education Study Abroad Seminar

In association with PICS Global, a "Study Abroad Seminar" was conducted on 11th December 2025. Mr. Vetri Pappa, CEO, PICS Study Abroad, served as the resource person and shared valuable insights on global education opportunities, admission processes, eligibility criteria, and career prospects, guiding students in making informed decisions about pursuing higher studies abroad.



### Russian Science Festival

The College in association with the Russian Centre of Science and Culture, Chennai, hosted an eminent expert panel on the applications of Nuclear Technology in India as part of the Russian Science Festival 2025 on 11th December 2025, bringing together global perspectives on science, technology, and societal advancement.

A key highlight of the programme was the address by Mr. Alexander Dodonov, Vice-Consul, Consulate General of the Russian Federation, Chennai, who shared insightful perspectives on Russia's science-driven initiatives and their role in enhancing quality of life through innovation and education. He emphasized the importance of international collaboration, particularly between India and Russia, in advancing scientific research, technological development, and academic exchange. His address highlighted how science diplomacy and cross-cultural cooperation can empower future generations and strengthen global knowledge ecosystems.





### Centre for Transformational Leadership Workshop on Design Thinking Series 1

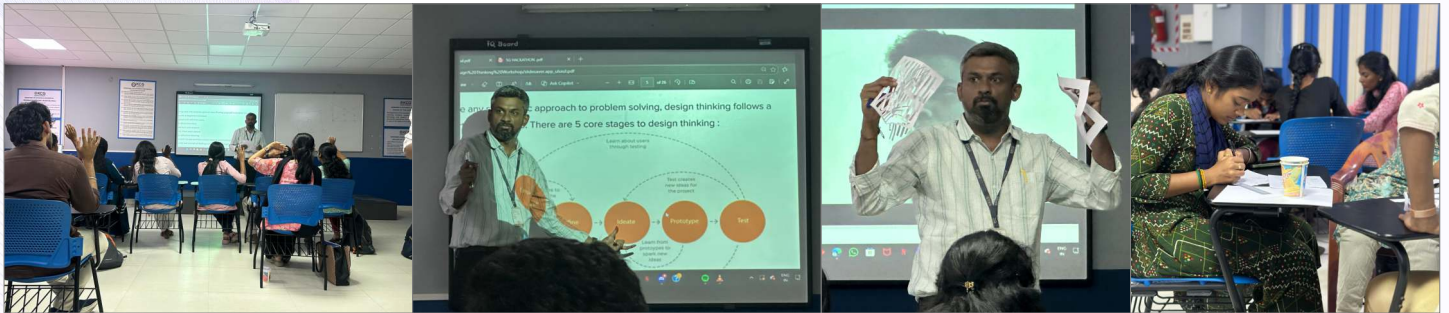
Workshop on Design Thinking Series 1 was conducted on 11th December 2025.

**Dr Sundararaman Chintamani**, Reinvention Catalyst for the AI Era, Design Thinking Facilitator, Corporate Trainer was the resource person.



### Workshop on Design Thinking Series 2

The Workshop on Design Thinking – Series 2 was organized on 22nd December 2025. The session was led by Dr. M. Vignesh Kumar, Head – PDC and Associate Professor, Department of Mechanical Engineering, KCG College of Technology. The workshop aimed to enhance students' understanding of design thinking principles while strengthening their creative problem-solving and innovation skills through interactive discussions and practical insights.



## Christmas Celebration

### Hostel Christmas Celebration

The Hostel Christmas Celebration was joyfully held at the Boys' and Girls' Hostels on 18th December 2025. The event fostered a festive spirit through cheerful activities and togetherness, spreading the message of joy, unity and goodwill among the hostel residents.





## KCG Tech Christmas Celebration

The KCG Tech Christmas Celebration was held on 23rd December 2025, filling the campus with a spirit of warmth, joy, and togetherness. The festivities featured beautifully decorated spaces, melodious carols, and moments of shared cheer, reflecting the true essence of the season. Students, faculty, and staff came together in a celebration of gratitude, unity, and the joy of giving, creating memories to be cherished.

Rev. Ninu Chandy, Diocesan Secretary, Chennai-Bangalore Diocese of the Mar Thoma Syrian Church and Vicar, Jerusalem Mar Thoma Syrian Church, Anna Nagar, delivered the Christmas Message, inspiring the gathering with reflections on faith, hope, and compassion.





### Carol the King

As part of the Christmas celebrations at the Hindustan Group of Institutions, the KCG Tech Choir delivered a soulful and spirited performance and earned a 2nd place at Carol the King competition.



### Mistletoe Mavericks

Creativity, teamwork and festive spirit came together in a spectacular way as the college was crowned the winner of the Mistletoe Mavericks Christmas Tree Making Competition at the HGI Christmas Celebrations.

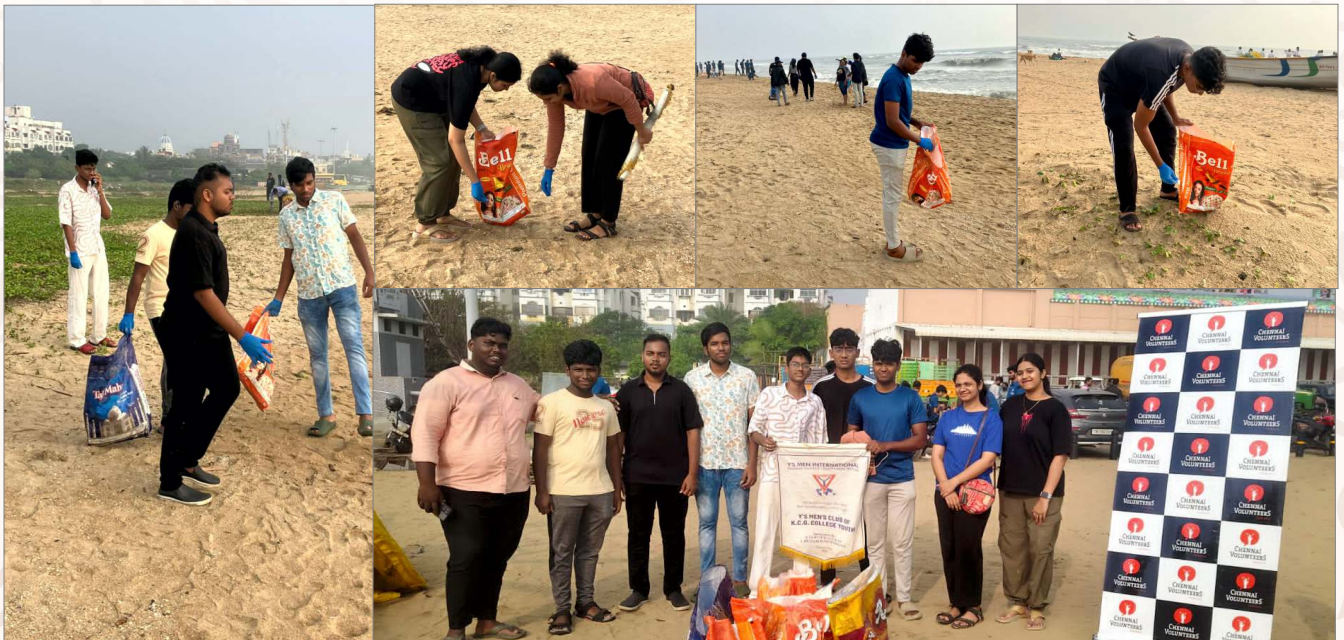


## Social Events



### Y Service Club of Chennai, Karapakkam

Student members of Y Service Club of Chennai, Karapakkam collaborated with Chennai Volunteers in the Beach Clean up Drive on 6th December 2025 at Besant Nagar Beach.





## Publication in SCI Indexed Journals - December 2025

Authors	Journal Name	Article Title	Impact Factor	ISSN	Indexing
<b>Dr. Roselin Mary S,</b> Prof& HoD, CSE (Cyber Security)	International Journal of Intelligent Engineering & Systems	Deep Context-OcOA: A Context-Enriched Conformer-BiGRU Framework Optimized via Ocotillo Algorithm for Advanced Persistent Threat Detection	1.0	<a href="https://doi.org/10.22266/ijies2025.1231.45">https://DOI: 10.22266/ijies2025.1231.45</a>	SCI, AU Annexure I, Q3 Journal
<b>Dr. N.Hema,</b> Dept of Physics	Journal of Materials Science: Materials in Electronics	Effect of methylene blue dye on solubility, growth, optical, photoluminescence and laser damage threshold properties of KAP crystal	2.8	<a href="https://link.springer.com/article/10.1007/s10854-025-16281-x">https://link.springer.com/article/10.1007/s10854-025-16281-x</a>	SCI, AU Annexure I, Q1 Journal
<b>Dr. Rajkumar Subburathinam,</b> Dept.of Aeronautical and Aerospace Engineering	Polymer Bulletin	Investigation of a porous biochar-reinforced vinyl ester composite with bamboo fibre and jackfruit rags: characteristics of heat conductivity, wear, mechanical stress, water absorption, and dielectric reactivity	4.0	<a href="https://link.springer.com/article/10.1007/s00289-025-06039-0">https://link.springer.com/article/10.1007/s00289-025-06039-0</a>	SCI, AU Annexure I, Q2 Journal
<b>Dr.Seeniappan Kaliappan,</b> Professor, Dept. of Mechanical Engineering	Silicon	Fabrication and Performance Assessment of Hot Water Conditioned Epoxy Composites Reinforced with Modified Mango Peel Nanofibers and Jackfruit Peel Powder	3.3	<a href="https://link.springer.com/article/10.1007/s12633-025-03566-3">https://link.springer.com/article/10.1007/s12633-025-03566-3</a>	SCI, AU Annexure I, Q2 Journal
	Polymer Bulletin	Synthesis of pectin from orange peel and innovation of biodegradable polyhydroxyalkanoate film for packaging application	4.9	<a href="https://doi.org/10.1007/s00289-025-06199-z">https://doi.org/10.1007/s00289-025-06199-z</a>	SCI, AU Annexure I, Q2 Journal
	Journal of Polymer Research	Mechanical, fatigue, creep and water absorption behaviour of silane surface treated pineapple fibre and tuna skin collagen powder epoxy composite	2.9	<a href="https://rdcu.be/eVyhzy">https://rdcu.be/eVyhzy</a>	SCI, AU Annexure I, Q2 Journal

**25 Papers got published & indexed  
in Scopus during December 2025**



## Doctorates Completed

Scholar Name & Guide Name	Title	Date of Vice voce
<b>Ms. Aida Jones,</b> Department of AI&DS/ KCGTECH ECE Research Center GUIDE: <b>Dr. V.Thulasi Bai</b> Professor, Department of Electronics & Communication Engineering	"Integrating Generative AI and Machine Learning for Effective Classification of Canine Cataracts: Addressing Data Imbalance and Enhance Accuracy	01 <sup>st</sup> December 2025
<b>Ms. Jeba Sheela A,</b> Department of Computer Science and Engineering KCGTECH CSE Research Center GUIDE: <b>Dr. M. Krishnamurthy,</b> Professor, HOD – AI & DS Department of Artificial intelligence & Data Science	Detection of Diabetic Retinopathy & Cardiovascular Risk Rate Prediction in Fundus Image using Deep Learning"	24 <sup>th</sup> December 2025

## KCG Tech in Media



### Academic interaction on Aerospace

KCG College of Technology, hosted the AR&DB – Academia Interaction on Research Opportunities and Challenges in Aerospace Applications, on December 22 and 23. It was jointly organised by the Aerodynamics Panel of the Aeronautics Research & Development Board (AR& DB), AeSI Chennai Branch, and KCG College of Technology. The two-day programme aimed to strengthen academia, R&D collaboration, and align academic research with national aerospace priorities. The inaugural session was graced by eminent scientists and experts from AR&DB, DRDL, and ADE, along with faculty members and researchers from various institutions. The first day featured technical talks by experts, while the second day was dedicated exclusively to project presentations by shortlisted AR&DB applicants, facilitating focused technical evaluation and mentoring.





## 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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KCG Nagar, Old Mahabalipuram Road,  
Karapakkam, Chennai - 600 097.  
[www.kcgcollege.ac.in](http://www.kcgcollege.ac.in)