



# KCG

COLLEGE OF TECHNOLOGY  
AFFILIATED TO ANNA UNIVERSITY | AUTONOMOUS



Vol. No.3 | Issue No. 1 | January 2024

## EDITORS' NOTE

Dear Reader,

The January edition, as usual, features our activities and accomplishments. All our activities this month centered around establishing sustainability through entrepreneurship and good health.

We believe that progressive India is need of job providers than job seekers. We continue sowing seeds of entrepreneurship through educational sessions and participation in global investors meets. Being fit and keeping good health are emphasized through awareness sessions and in fact our chairman's birthday celebration centered around this theme.

Celebrating students' success is our tradition and the 21<sup>st</sup> Graduation Day is yet another occasion that made such celebration possible.

Happy Reading !!!

### EDITORS:

**Dr. R. Jaya**

Associate Professor,  
Department of English

**Ms. Tephilla Joice P**

Assistant Professor,  
Department of Mathematics

**Campus  
Diary  
2024**

### Tech & Innovation Fair (TIF), Shaastra 2024

Team **Opticops** of KCG Tech participated at the prestigious Tech & Innovation Fair (TIF), Shaastra 2024 held at the Indian Institute of Technology (IIT) Madras. Team Opticops presented their revolutionary project - AI powered smart eye wear for law enforcement agencies equipped with GPS, facial recognition & health monitoring & many other intuitive features.



### Sports Achievements



**R. Aswin Kumar**, third Year, Department of Aeronautical Engineering, & **Hariharan**, Second year, Department of AI & DS, represented India B in the Asia Cup Tennis Ball Cricket Tournament. The competition took place at Rangshala Sports Stadium in Pokhara, Nepal from 30<sup>th</sup> December 2023 to 1<sup>st</sup> January 2024. Their exceptional performance led them to secure the third-place position in the tournament.



**Immanuel CJ**, first Year, Department of Aerospace Engineering, was selected to participate in the Indian team selection trials in the 10m Air Rifle events under the Junior & Youth category at Bhopal, Madhya Pradesh from 18<sup>th</sup> to 21<sup>st</sup> January 2024. He also represented Tamil Nadu at the Khelo India Youth Games in the 10m Air Rifle shooting category. His remarkable performance earned him the title of second runner-up in the competition.



In the Pongal Sports and Games 2024 tennis tournament organized by the All Sports Association of Tirunelveli District, **Irin Maria**, a final-year student from the Department of Aeronautical Engineering, emerged victorious, securing the first place. The event took place on 19<sup>th</sup> January 2024 in Tirunelveli.

### Tennis Tournament - KCG Legends Tennis Academy

The college in association with KCG Legends Tennis Academy & Fit India organized an under 12 Boys and Girls Tennis Tournament on 21<sup>st</sup> January 2024. 32 talented young players participated in the tournament with enthusiasm and gave it their all to win the grand prize. Winners of this high-octane tournament were felicitated with awards and prize certificates by our esteemed Chief Guest **Mr Ramalinga Reddy**, Head Coach, Tennis Legend Academy.



Department of Aeronautical & Aerospace Engineering

**International Aviation Exhibition**

Wings India '24 is a vibrant International Aviation Exhibition attracting a wide range of global partnerships, industry professionals, government officials and business leaders. KCG College of Technology had a spectacular opportunity to be a part of this galvanizing expo for unconventional innovation in the aviation sector.



Department of Automobile Engineering

**Motivational Talk**

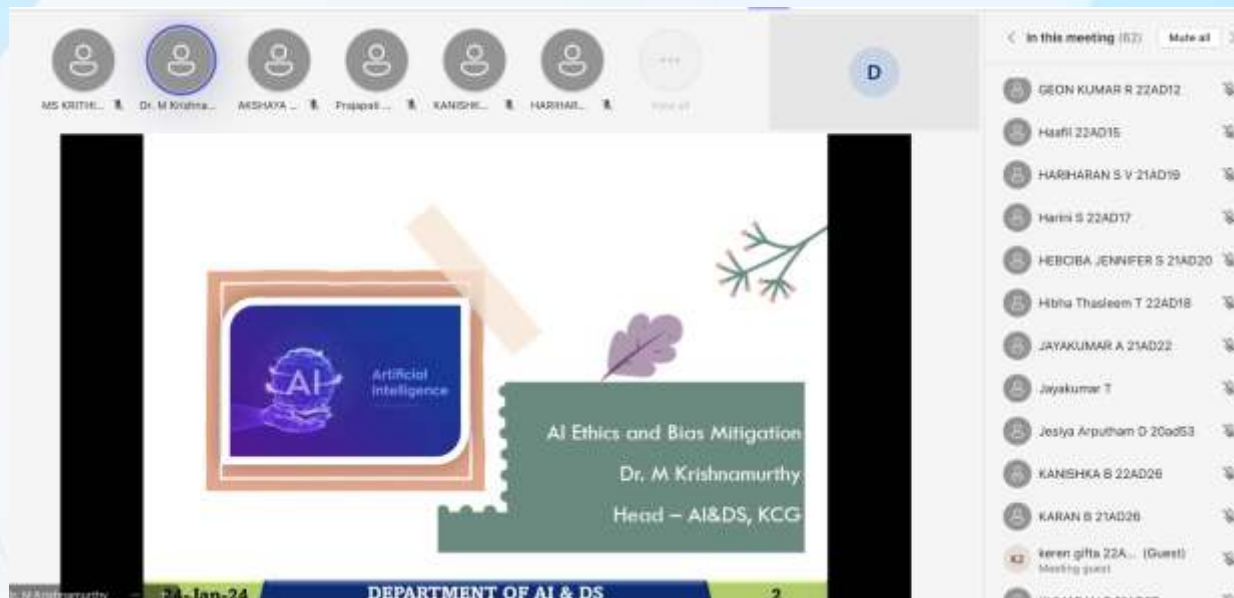
On account of National Youth Day, in association with Institution's Innovation Cell, the department organised a Motivational Talk on becoming a successful Entrepreneur by **Mr Agustin Jebakumar**, Instructor & Test Pilot, Vayuratha Pvt. Ltd., on 19<sup>th</sup> January 2024.



### Department of Artificial Intelligence & Data Science

## International Workshop on "ChatGPT and AI Tools for Educators"

In association with Office of International Affairs and Higher Education, the department organized an International Workshop on "ChatGPT & AI Tools for Educators" from 24<sup>th</sup> to 29<sup>th</sup> January 2024. A series of sessions were led by renowned speakers from academia & industries **Dr M. Krishnamurthy**, Professor-AIDS, KCG College of Technology led a session focusing on AI Ethics & Strategies for Bias Mitigation. **Dr Shehu**, Professor from George Mason University, USA, delivered a presentation titled Artificial Intelligence & Machine Learning: Expanding Horizons beyond ChatGPT - Applications in Education, Training, & Careers. Additionally, **Mr John Rex Thangadurai**, Vice President of Truetech Solution Pvt Ltd., delved into the topic of ChatGPT in Artificial Intelligence. Lastly, **Mr Mahmudal Hasan**, Software Engineer from Daffodil Institute of Information Technology, discussed Adapting to Change: IT Employment in the Age of Artificial Intelligence.



### Office of International Affairs and Higher Education Visit of Foreign Delegates



Delegates from Sealbotics Pvt Ltd, Malaysia & Avironix Pvt Ltd, India, two of the leading drone developers & manufacturers across Asia, visited KCG Tech on the 8<sup>th</sup> & 9<sup>th</sup> January 2024. The delegates delved into the ongoing industry-related projects at the institute and outlined the agenda for an industry- academia collaboration which would include resource sharing, funding, infrastructure support, technical expertise & the development of a formal Memorandum of Understanding (MoU) to further benefit our students. The event concluded with a focus on next steps, outlining tasks, responsibilities, & timelines for the upcoming phase of collaboration.

## Staff Wellness Program on "Diabetes Awareness & Management"

Staff Wellness Program on "Diabetes Awareness & Management" was organised on 19<sup>th</sup> January 2024. A senior resource person & medical expert, **Dr K.Baraneedharan MD**, Senior Consultant Diabetologist, Kauvery Hospital Chennai, provided valuable information on identifying the signs & symptoms of diabetes. He also elaborated on the testing procedures for the disease & the use of advanced sensors to measure sugar levels in the bloodstream. He shared that diabetes could be effectively reversed, with healthier lifestyle modifications and practice of yoga. The program concluded with an informative Q & A session where several questions and clarifications regarding the detection and treatment of diabetes were addressed.



## Tamil Nadu Global Investors Meet 2024

The Tamil Nadu Global Investors Meet (TNGIM) 2024, the much awaited flagship event of the Government of Tamil Nadu, was held in Chennai on 7<sup>th</sup> & 8<sup>th</sup> January 2024. TNGIM 2024 brought together investors, thought leaders, policymakers, & academia to shape a future leadership role for the State as it progresses towards a trillion-dollar economy in a sustainable & inclusive environment. Through this premier event, Tamil Nadu has attracted a whopping investment worth Rs.6.6 lakh crore, shattering all previous records.



Our students had the golden opportunity to visit TNGIM 2024 & interact with eminent dignitaries, leading venture capital firms, dynamic entrepreneurs & leading technical minds from across various verticals. These exciting interactions provided great encouragement to our students to explore the path of entrepreneurship and provided them with the impetus to ideate, innovate and re-imagine the future through the power of engineering & technology.

## Graduation Day

Honourable Vice- Chancellor of Anna University, **Dr R Velraj**, conferred academic degrees to 958 graduands of KCG College of Technology in the 21<sup>st</sup> Graduation Day held on campus. The rank holders received medals and cash awards along with their degree certificates.

**Shri Anand Sundaresan**, Director, Management Board of AMMANN India Pvt. Ltd was the guest of honour. **Dr Anand Jacob Verghese**, Chairman, Hindustan Group of Institutions, presided over the function. The Principal, **Dr Muthukannan**, welcomed the gathering and presented the graduation day report. **Dr Annie Jacob**, Director, KCG College of Technology & **Dr G Prabakaran**, the Dean Academics, joined the dais.

In the graduation day address, Dr R Velraj congratulated the graduands on their momentous achievement and said, “Read the success stories of successful people and that is the only short-cut to achieve success in a short span of time.” “Huge opportunities awaits Indian youths in the next two decades, to capitalize them know the strength, weakness, opportunities and challenges of oneself and the country. Increase your potential, decrease your resistance, upskill yourself, become multi-disciplinary, transdisciplinary and integrate emerging technologies with your specialised domain, take risks and involve in start-ups which the country is looking for,” he added.

Shri Anand Sundaresan, the Guest of Honour, highlighted the seven common qualities of successful persons. He said, pursuing one's passion, good team work, excellent communication, maintaining high energy level, valuable decision making, ability to embrace change and trusting oneself and others are the qualities required of a successful professionals and encouraged the graduands to continue working on them.

In his presidential address, the Chairman Dr Anand Jacob Verghese as words of encouragement and advice to the graduating students said “Embrace change with open heart and curious mind, persevere and carry resilience forward, celebrate achievements and use setbacks as lessons for greater accomplishments, make positive impact in the world around and add glory to the alma mater”. “Stay connected with your alma mater, break down the barriers, collaborate with your teachers, mentor your juniors, mutually share ideas and resources and together build a vibrant educational community”, he added.



## Pongal Celebration

Pongal celebration was held on campus on 12<sup>th</sup> January 2024. The event was graced by esteemed dignitaries including **Dr. Anand Jacob Verghese**, Chairman of Hindustan Group of Institutions, **Dr. Annie Jacob**, Director of KCG College of Technology, and **Mr. Enid Verghese**, Deputy Director of Hindustan Group of Institutions. Following the auspicious rituals, cultural performances, and games activities were organized for both staff and students. The day concluded on a sweet note with the serving of traditional jaggery pongal. Additionally, staff members were presented with delightful goodies to enjoy the harvest festival.



## Republic Day Celebration

The 75<sup>th</sup> Republic Day Celebration at KCG College of Technology on January 26<sup>th</sup>, 2024, was a memorable event filled with patriotic zeal & dignified ceremonies. **Dr. Muthukannan**, Principal, led the flag hoisting ceremony, followed by a majestic march by the KCG NCC Company cadets. **Dr. Dinesh Manoharan**, CTO & Director at Avironix, graced the occasion as the Chief Guest, delivering an inspiring speech on the significance of the day. A tree planting ceremony symbolized the college's commitment to environmental sustainability.



# Chairman's Birthday Celebration

Our Chairman, **Dr Anand Jacob Verghese's** birthday was celebrated on campus as well as beyond campus from 29<sup>th</sup> to 31<sup>st</sup> January, 2024. KCG Tech thoughtfully celebrated the chairman's birthday by organising events for social cause.



## Greetings from KCG Tech



## Basic Life Support Activity Session

In association with Gleneagles Global Health City, Basic Life Support Activity Session was held on 30<sup>th</sup> January 2024 for staff & students of the college as well as Hindustan International School, Karapakkam.





# Chairman's Birthday Celebration



## Cardiology Screening Camp

In association with Gleneagles Global Health City, Cardiology Screening Camp was held on 30<sup>th</sup> January 2024 for staff of the college and Hindustan International School, Karapakkam.



## Fit For Life

KCG NCC Company organised an Awareness Camp on Physical Health & Dieting to the public at Thiruvanmiyur Park, Chennai on 31<sup>st</sup> January 2024.



# Chairman's Birthday Celebration



## Blood Donation Camp

NSS Unit of the College conducted Blood Donation Camp on 31<sup>st</sup> January 2024 in association with Lions Club International. 30 units of blood were Collected.



## Cultural Events

NSS Unit of the College conducted Sports & Cultural Events at Panchayat Union Middle School Padur and at Government Middle Schools, Patikadu village.



## Publication in SCI Indexed Journals - January 2024

Authors	Journal Name	Article Title	Impact Factor	ISSN	Indexing
<b>Dr. Jessie Abraham,</b> Asst. Prof., Dept of Maths	Heliyon, Elsevier	Guanidinium and hydrogen carbonate rosette layers: Distance and degree topological indices, Szeged-type indices, entropies, and NMR spectral patterns	4	2405-8440	SCI, Anna University Annexure I, Q1 Journal
<b>Dr. Prabhakaran Gopalakrishnan,</b> Dean Academics & Prof., Dept. of Mechanical Engg.,	Iranian Journal of Chemistry & Chemical Engineering, Springer	Enhancement of Optical properties of Anti-Reflection Coatings on solar PV cells through hybrid TiO <sub>2</sub> -SiO <sub>2</sub> Nanoparticles	1.9	1021-9986	SCI, Anna University Annexure I, Q3 Journal
<b>Dr M. Arulprakasajothi,</b> Prof., Dept. of Mechanical Engg.,	Journal of Energy Storage, Elsevier	Optimizing heat transfer efficiency in electronic component cooling through fruit waste-derived phase change material	9.4	2352-152X	SCI, Anna University Annexure I, Q1 Journal
<b>Dr M. Arulprakasajothi,</b> Prof., Dept. of Mechanical Engg.,	International Communications in Heat and Mass Transfer, Elsevier	Latent heat energy storage using nanomaterials as a heat sink for the prevention of thermal runaway: A study in conjugate heat dissipation	7	0735-1933	SCI, Anna University Annexure I, Q1 Journal
<b>Dr. Seeniappan Kaliappan,</b> Prof., & Head, Dept., of Mechatronics Engg.,	Environmental Science and Pollution Research, Springer	Economic and life cycle cost analysis of building integrated photovoltaic system for composite climatic conditions	5.4	0944-1344	SCI, Anna University Annexure I, Q1 Journal

# KCG in Media

### Forging Futures

#### Innovation Meets Excellence at KCG College of Technology

The global technological advances in changing faster than ever and from a 4th Industrial Revolution to a 5th, are creating a new paradigm for innovation and excellence in the industry. It is the responsibility of the industry to create a new paradigm for innovation and excellence in the industry. It is the responsibility of the industry to create a new paradigm for innovation and excellence in the industry. It is the responsibility of the industry to create a new paradigm for innovation and excellence in the industry.

**Dr. Anand Jacob Verghese**  
Chairman, Hindustan Group of Institutions

### Exciting Domain of Aviation and Space Engineering

Aviation and space engineering are exciting domains that offer a wide range of opportunities for students. The industry is growing rapidly, and there is a high demand for skilled professionals in these fields. Students who are interested in aviation and space engineering should consider pursuing a degree in these fields from a reputable institution like KCG College of Technology.

**Dr. Anand Jacob Verghese**  
Chairman, Hindustan Group of Institutions

### Defence Secretary inaugurates BEL's Abhigyan

The Defence Secretary, Government of India, inaugurated the Abhigyan program at BEL. The program is aimed at promoting research and development in defence technology. The inauguration was held in a grand ceremony, and the Defence Secretary expressed his confidence in BEL's ability to deliver high-quality defence products.

**Dr. Anand Jacob Verghese**  
Chairman, Hindustan Group of Institutions

## Graduation day at KCG

**NT Bureau**  
Chennai, Jan 30:  
Vice-Chancellor of Anna University, Dr R Velraj, conferred academic degrees to 958 graduates of KCG College of Technology in the 21st Graduation Day held on campus. The rank holders received medals and cash awards along with their degree certificates. Anand Sundaresan, Director, Management Board of AMMANN India Pvt. Ltd was the guest of honour. Dr Anand Jacob Verghese, Chairman, Hindustan Group of Institutions, presided over the function. The Principal, Dr Muthukannan, welcomed the gathering and presented the graduation day report. Dr Annie Jacob, Director, KCG College of Technology and Dr G Prabhakaran, the Dean Academics, joined the dais.



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