

# ***KCG COLLEGE OF TECHNOLOGY***

***KARAPAKKAM, CHENNAI 600 097***

**25<sup>th</sup> College Day -21<sup>st</sup> April 2023**

**Principal's College Day Speech**

Respected chief guest of the day, MrSudeep Kunnimal, Vice President, Gobal Head- HR, BFSI, TCS, Founder Chairperson- Hindustan Group of Institutions, Chairman, Hindustan Group of Institutions, Director- KCG College of Technology, Dean- Student Affairs, HoDs, Staff and students, Good afternoon and my warm welcome to you all.

Every year, by the end of the academic year we celebrate college day and this year's celebration is extra special to us as we are celebrating the 25<sup>th</sup> college day, the silver jubilee year celebration. Looking back to the day I got associated with the college, today I could see that the institution's growth is phenomenal and undoubtedly in this span of 25 years the institution had grown by leaps and bounds. It is time for all those associated with KCGTech to feel proud and take credits.

On this 25<sup>th</sup> college day celebration let us reflect upon our achievements, initiatives, activities and take them as a way forward to continue bettering ourselves in the future. Today, I could feel the mixed emotions in each and every student gathered here. I could feel in you the happiness of receiving prizes today for excellence, uncertain about the road to be taken- higher education vs job, deplore about parting friends and teachers in a few months. All I want to say emphatically is, the best is in store for all of you, you will only taste success in your life because you are stepping out of the portal built by a visionary with a motto to make every man a success and no man a failure. With this note, I once again welcome you all to 25<sup>th</sup> College Day Celebration.

It is my privilege to present the annual report highlighting our activities and accomplishments for the period from June 2022 to April2023.

## **New Initiatives**

Our initiatives this academic year aim at upskilling our keep up with the changing trends and vision of our Founder Chairman. They include:

- Introduction of ME Programme in Aeronautical Engineering
- Inauguration of KCG Space Technology Centre The centre was inaugurated last Monday by former Chairman of ISRO, Shri. A S Kiran Kumar. I take this opportunity to mention that, KCG Sat is one among the 75 student made satellites to be launched into space by India and our student scientists are working on it from this centre.
- Inauguration of the IEEE Madras KCG Student Branch Chapter
- Launch of INNOCOM - An Innovative Community
- Introduction of two courses “Embedded Full stack IoT Analyst” and “Embedded Software Engineering” by KCG Skill Development Centre (KCGSDC) in association with Tamilnadu Skill Development Centre (TNSDC) and Hindustan Institute of Technology and Science (HITS)
- Induction of Pickleball Club in association with Tamilnadu Pickleball Association

### **Rankings and Recognitions**

Our legacy as a world-class institution offering diversified engineering courses combined with top-notch industry interface and impeccable placement record have enabled us to secure top positions among the engineering colleges in India. We are

- Ranked 20 in Top 100 Private Engineering colleges in India by Education World – Higher Education ranking 2022
- Rated AAA+ In India’s Best Engineering colleges by Careers 360
- Ranked Over all-71, Private-64 and research institute -24, by Times- All India Engineering Institutes survey.
- Recognised in the annual listing of Knowledge review- Aerospace Engineering colleges of the year 2022
- Ranked in the Silver Band with B++ grade by WI Rankings-OBE Rankings 2022
- Ranked as No. 1 institution among Anna University Affiliated Non Autonomous Colleges and No. 11 among top private Engineering colleges in Tamilnadu in the Outlook ICARE Rankings 2022.
- Ranked as No, 1 among Anna University Affiliated Non- Autonomous College and 17 among top private Engineering colleges in Tamilnadu in the India Today- MDRA Survey of Excellence.

- Ranked 15th among government and private colleges, 9th among private colleges and 4th among South Zone in the T-School Employability Ranking Survey 2022 conducted by Data Quest
- Ranked all India 6 among the top 10 engineering institutions in India by **Data Quest** magazine as part of its Top T-Schools Survey 2023
- Ranked 15 at all India level and 9<sup>th</sup> among private Engineering Colleges and 4<sup>th</sup> among the colleges in the south zone in DQ CMR-Employability Index Award.

### **Awards and Accolades**

Our institution, members of the management, departments and clubs have received awards and accolades from authorized bodies for their contribution towards technical education and societal development. To mention a few,

- B.E Aeronautical Engineering Programme is accredited by NBA
- **Skill Development Leadership Awards** from Times Ascent and World HRD Congress.
- **Best Industry Linked Institute Award** for Computer & Allied Engineering Category (CSE, IT & AI&DS), Electrical & Allied Engineering Category (EEE) and Electronics & Allied Engineering Category (ECE) at AICTE-CII Survey of Industry Linked Technical Institutes 2021. We are one amongst the 2 institutes from Tamilnadu to win the award for the year 2021. Electrical & Allied Engineering Category having won the award for the third time, the Department of EEE has been recognised as a Mentor from this academic year onwards.
- **National Intellectual Property Awards** 2021-22 under the category Special Citation for Institution's Innovation Council (IIC) by the Ministry of Commerce and Industry, Government of India. The award was conferred recognizing the institution's contribution towards IP and Commercialization as well as the IIC activities supporting innovation ecosystem. Only three Institutes across India- KCG, IIT Madras and VIT, were awarded this year.
- **Dr. Kalam Best College Award 2022** from World Youth Federation at ACTech Campus, Anna University for the institution's excellence in innovation, collaboration and education through experiential and multidisciplinary learning.
- Awarded Best PALS Partner Institute for the year 2021-22 by IITMadras
- Received Global Educator Fest- Best in Placements Award

- Received certificate of appreciation from DELNET for contributing 85 recorded educational video lectures.
- 4-star rating Institution's conferred to Innovation Council (IIC) by the Ministry of Education Innovation Cell (MIC) for the year 2021-22.
- 100% placement in Placement Drive for the first batch of students trained under Hero Skill Development Centre of the college
- Founder Chairman Dr KCG Verghese was awarded Marwan Sabore ISO Award Posthumously
- Dr. Anand Jacob Verghese, Chairman, Hindustan Group of Institutions has been nominated as the Advisory Council Member for the Association of the Universities of Asia and the Pacific (AUAP).
- Dr. P. Deiva Sundari, Principal, KCG College of Technology was recognized as Outstanding Leader in Higher Education from Elets Technomedia Pvt. Ltd.
- Dr. K. Vijayaraja Professor and Head, Department of Aeronautical and Aerospace Engineering; Dr. Kavitha Balamurugan, Professor and Head Department of Electronics & Communication Engineering and Dr. V. Bhanu Rekha Professor and Head, School of Fashion Technology were appointed as the members of the Board of studies of the constituent colleges and non-autonomous colleges affiliated to Anna University.
- Dr. Deepa Jose, Head Research was awarded one among the 10 most Inspiring Women Leaders in Education in India 2022 by Trade Flog and Best Women Academic Practitioner Award 2022.
- Dr. M Vignesh Kumar, Assistant Professor, Department of Mechanical Engineering received the 'Dronocharya Award' under the special award category for being the mentor of the Inferno Racing team
- Mr.C.Aasish, Assistant Professor, Department of Aeronautical and Aerospace Engineering was felicitated for his extraordinary contribution towards SAE Southern Region.
- Dr.V. Dillibabu, Assistant Professor, Department of Automobile Engineering received certificate of excellence in Reviewing for Journal of Energy Research and Reviews
- Dr. M Krishnamurthy received "Best Teacher Award" from Education Today and Kalvi Chudar; "Good Teacher Award from Lions Club of India, Chennai.

- Dr Kavitha Balamurugan received Best Faculty Award from Knowledge Research Academy
- Dr. N. Prem Kumar, Head & Director, Department of Physical Education has been nominated as a Member of the Planning Board of the Tamil Nadu Physical Education and Sports University, Chennai and Liaison Officer by All India Football Federation for India and Nepal International Tournament.

### **MOUs Signed**

We have been signing MoUs with leading industries that guide our students for job placement. This year we signed MoU with

- KonmaDAO
- Imarticus Learning
- Garuda Aerospace
- M/S. ELENTECH ENGINEERING SERVICES PVT.LTD.
- M/S INEL Power System Engineers Pvt. Ltd.
- Skyroot Aerospace Pvt. Ltd

### **Research Contributions**

Our research contributions include producing doctorates, publishing research articles obtaining funded projects, patenting products and providing consultancy. Research Centre, IEDC, IPR, Project Cell and TBI of the college work together towards research and development.

- Sixty Four Research Scholars are currently pursuing research at KCG Research Centre comprising thirty approved supervisors.
- A total of 167 International Scopus indexed publications have been published by faculty of KCG College of Technology during academic year 2021-2022 and h-index is 27 and 4428 Scopus Citations

### ***Funded Projects***

- Research Project by Dr. K. Vijayaraja, Dr. R. Asad Ahmed and Mr. S. Venkatramanan - “Experimental & Computational Investigation of pressure field over inner surface of jet tab fixed to the supersonic nozzle exit” is funded by ARDB & it is ongoing. The fund amount is Rs. 21,58,000/-

- The research project by Dr. Deepa Jose “Design and Implementation of VLSI Chip for Security Against Side Channel Attacks for IoT Systems” of Rs.15,56,955/- Lakhs has been selected through Research Promotion Scheme. The proposal has been submitted from Department of ECE.
- The research project by Dr. P. Deiva Sundari, Dr. T. Anuradha and Mr. Arvin Tony “Design and implementation of cyber physical controller for optimal despatch of virtual power plant(VPP)” of Rs. 8,00,000/- is ongoing and selected through Research Promotion Scheme from AICTE.
- TNSDC – Skill Development course funded for Rs. 2,38,564 and coordinated by Dr. Krishnamoorthi
- Grant of Rs. 1,00,000/- sanctioned by AICTE under SPICES scheme to energize and developing students club “Programming Club”. Project coordinators Dr. Gopinath and Dr. Krishnamoorthi
- “Integration of AI and IOT for Industry 4.0 Towards Atmanirbhar Bharat” seminar grant funded by DST SERB for Rs. 1,50,000/-. PI: Dr. Deepa Jose
- Grant of Rs.1,44,000/- for Under Board of Apprenticeship Training (BOAT)
- PMKVY has sanctioned Rs. 4. 2 lakhs for PMKVY 4.0- “Assistant Technician-Solar Panel Installation” Skill Development Course
- Zero Discharge Technologies Pvt Ltd has sanctioned 2.75 lakhs for the project Development of Power Converter for ElectroCoagulation Plant
- Eeshu Labs has sanctioned 2 lakhs for the project Design & Development of PCB, Soldering of Components in the developed PCB and testing

### ***Consultancy Projects***

- An Industry-based Consultancy Project by Dr Uma Kumari, AP/ECE, and Mr Aashish, AP/Aero, on Development of a Composite Pusher Type Fixed Wing VTOL Remotely Piloted Aircraft System has been sanctioned for an amount of 1.6 lakhs.
- Consultation project to Appa samy Medicals for Rs. 75,000/- by Dr. Deepa Jose on Evaluation of Glaucoma using OCT Analysis

### ***Patent Granted***

- D. Muralikrishnan, V. Andal, Saravanamuthu. A, Vignesh. S.K, Yuvaraj. S, Enhancement Of Heat Transformer in Automobile Radiator Using CuAl<sub>2</sub>O<sub>4</sub>Nanofluids"

- S.Thanigaiarasu, Dharmahinder Singh Chand, R. Asad Ahmed, Method and device for controlling sonic under - expanded jets
- Dr. Mariyappan Shanmugam, Professor, Physics, Weavable-Wearable Fiber Solar Cells for Smart Nanotextiles
- Dr.Aby Sam, Dr.Linu Sam, Dr.D.Easu, Dr.Amrutha R, A suspension system that uses a magnetorheological liquid damper and a hybrid magnet used to reduce road induced vibration

### ***Copyright Granted***

- Ms. R. Gayathri , Hareesh Rajan S.V, Jokins Bright Samuel.J, Kanimozhi.A for Automatic Phase Sequence Corrector In Motor
- Dr. Kalaivanan Thirupathi, Ganesh Karthic M, Pavai N P, Vyas Jatinkumar Manubhai for Simulation Analysis Of Composite Materials For Divergence Elimination
- C, Dr..Gnanakousalya L, Dr.Nalinijoseph Rohini, G Shaikh , Sharique S. Thiagarajan, R Jaiswal, Sushma Jaiswal, Tarun R., Dr.Anand, Gupta, Dr. Saurabh S.M., Shafee Bino, J for Detection Of Spoofing Vulnerability In Revolutionary Iot Networks To Augument Security Mechanism
- Dr. K. Nirmala Devi, Dhivya P, Divya J,Aishwarya Prakash S for Exam Assisting Robot
- Dr. T. Anuradha, Abubackar T,Dhakshayani P,Akash S for Fuzzy Logic Based Power Management For Small Scale Hybrid Wind Solar Battery Based Microgrid.
- Ms. Mabel Nirmala Joseph, Abhila B, Delphin Periyanyagi M, Koushika M for Spam Detection System Using Supervised MI

### **Training and Placement**

80% of our eligible students have been placed in reputed companies so far and the recruitment process is still in progress. A total of 165 companies visited our campus this year and among them Infosys, Virtusa, Zoho, Capgemini (Aero), Kaar Technologies, CISCO, Data Patterns, Ashok Leyland, Minda Corporation, Codingmart, Blackstraw, GX India, Sopra Steria, Maplelabs, Infocepts, Maventic, Cognizant & Accenture are the few leading recruiters. The average CTC is 4.4 lakhs and the highest being 7.2 lakhs per annum.

Our students from second year onwards have secured internships with promised job offers.

The training department conducted

- Company-specific training program for the final years

- 10 days of Aptitude Training and 5 days of Technical Training Program Phase-1 and 25 days. Dream offer JAVA training and Technical Training Phase-2 for pre-final year students
- Aptitude and weekly practice tests to second year students
- Quantitative Aptitude and Soft Skills training for first year students

## **Events Organised**

We believe in providing holistic education and focus on providing exposure to students through content beyond educational sessions, project competitions and technical and non-technical competitions. This year, our academic departments, Clubs, Student Chapters, Office of Student Affairs and International Services had organized nearly 150 educational sessions in the form of domain specific webinars, seminars, workshop and training programmes.

Alumni are the backbone of any institution and the success of KCG Tech is in establishing and maintaining meaningful relationships with them. Our alumni have been a source of inspiration to the future engineers from KCG portal and their contribution through lectures and guidance are significant and appreciable. They bridge the gap between the curriculum and the current trends in the market enabling our students to upskill themselves. In addition, this year they have served as judges to most of the competitions organised in the college. They guided the current third year students on facing campus interviews by conducting mock interviews. We value our relationship and we will continue keeping it strong and steadfast as they are one of our vital stakeholders in our progress.

We organise events commemorating and celebrating all important international days, national days and festivals with a view to providing global education so that our students are aware of global happening and according work towards world sustainability. They include, Suicide Prevention Day, World Mental Health Day, Independence Day, Teachers Day, Engineers Day, Handloom Day, Science day, World Space Week, Onam, Christmas, Ugadhi, Diwali and Pongal.

As social responsibility initiatives we serve to the under privileged section of the society, connect with school students and guide them on career choices and be sensitive about environment degradation and nurturing physical and mental health. In this line we had donated provisions and medical aids to charity organisations, connected with more than 50



schools providing career guidance and taken green environment initiatives and health awareness programmes.

## **Department Wise Educational Sessions**

### **Department of Aeronautical and Aerospace Engineering**

- A virtual Panel Discussion on Future of MRO in India & its Career Opportunities was organised on 27th July 2022 commemorating the death anniversary of Bharat Ratna Dr. APJ Abdul Kalam.
- Engineering Excellence Connect (Techpubs) Program was conducted on 8th August 2022 with Mr. Athmanathan T R, Director, Academy CoE Head, Cagemini and Mr. Rajendran R, Senior Manager, EEC Program Champion, KCG, Capgemini as guests.
- A webinar on “Certification for Aircrafts” was arranged on 22nd August 2022. Ms. Ramya Rajendran, Design Assurance Engineer, Collins Aerospace, UK was the speaker.
- An Awareness Program on GATE Examination was organised on 24th September 2022. KCG Tech Alumna, Ms. Debanjali Dey, Software Engineer, Dassault Systèmes was the speaker.
- Expert visit by Mr Vijaya Kumar, Domain Scientist, Defence Research & Development Laboratory (DRDL) on 8 November 2022 to study the status of the ongoing ARDB funded research project. Our students got the privilege of doing their project analysis in DRDL.
- Seminar on Industry Trends and Programs by Dr. Markus Waechter, Managing Director and Dean at TUM Asia, Singapore on 15 February 2023.
- Workshop for the participants of Autonomous Drone Development Competition 2023 was conducted in association with Capgemini Engineering.
- Techpubs: An Engineering Excellence Connect Program on 27 March 2023 with Mr. Athmanathan TR, Director, Academy CoE Head and Mr. Rajendran R, Senior Manager, EEC Program Champion - KCG, Capgemini as the resource persons.

## Department of Artificial Intelligence and Data Sciences

- A Guest Lecture on Data Visualization Using MATPLOTLIB was organised on 23rd September 2022 with Mr. Vijaykumar, Senior Data Scientist, PayPal Inc. as session lead,
- Orientation Program on Opportunity Assured Program in Data Science was conducted on 18 February 2023, in association with Imarticus Learning. **Mr. Ahamed Khalid**, IIM B, Senior Vice President, Head - Academic Alliance - Imarticus Learning was the resource person.
- A 2 Day Workshop on Blender & Open CV was organized on 4 & 18 March 2023, as part of Knowledge Series. Kailash M, Aravind Babu and Amrish M of 3rd year led the workshop.
- Expert Lecture on Network Layer & More in Real World was organized on 24 March 2023. Mr. Sai Manjunath S, Software Engineer, ISCO Systems was the resource person.
- Workshop on Wireshark and NS2 was organised on 15<sup>th</sup> April 2023. Mr Rajadurai Samuel, Senior Technical Lead, HCL Chennai was the resource person.

## Department of Automobile Engineering

- Neural Check- a Vehicle Diagnostic workshop was organised on 10th September 2022. Mr Mathavan and Mr Britto Sebastiraj, Assistant Professors, Department of Automobile Engineering, KCG Tech were the resource persons.
- Value Added Programme on Two Wheeler Skill Development Training was organised on 17th September 2022. Mr Britto Sebastiraj, Assistant Professor, Department of Automobile Engineering, KCG Tech was the resource person.
- Value Added Programme on Skill Development Training in Car Driving – Simulator was conducted on 24th September 2022.
- AUTO VAPS - Value Added Program was conducted on 4 February 2023 to provide skill training on automotive special tools.
- Seminar on Vehicle Dynamics was conducted on 18 February 2023 with **Mr. Jeffn Job**, a key member of the Simulation- Vehicle Dynamics Team, Apollo Tyres Ltd. as the resource person.

- One Day workshop on Wheels & Rims 2.0, a Two Wheeler Hands - on Training was conducted on 25 February 2023.
- A seminar on the Latest Trends in Automobile Industry from Technology Perspective by resource person Mr. Rubandevprasath, Senior General Manager, Brakes India Limited was organised on 4 March 2023.
- Value Added Program on Application of Matlab in Automotive Dynamics was conducted on 13 March 2023.
- Webinar on Introduction Session on KPIT Sparkle Club was organised on 18 March 2023.

### **Department of Civil Engineering**

- Webinar on "Apt Choice for an Aspiring Engineer" on 5th August 2022. Dr. M. Sekar, Honorary Professor, Anna University enlightened the audience.
- A hands-on training on Surveying with Total Station was conducted on 28th September 2022. Awareness program on "Engineering in the realm of Environmental Regulation - A Job Sheet Experience of a Civil Engineer" was conducted on 8<sup>th</sup> October 2022. Ms. S. Nandhini, Asst. Engineer, Tamil Nadu Pollution Control Board and KCG Tech Alumna (2012-2016) was the resource person.
- Awareness campaign on Waste Segregation was conducted by the department in collaboration with Greater Chennai Corporation on 11 October 2022.
- An expert talk on Global Practices in Civil Engineering: Foundation Options For Expansive Soils in Middle East Countries was given by Mr. Araz Ahmed Hamza, Lecturer, Raparin University, Kurdistan, Iraq on 20<sup>th</sup> October 2022.
- An expert talk on Water Treatment Technologies for Rural Communities: Options and Opportunities was given by Dr. Vandhana Devi, Associate Professor and Head on 26 October 2022 to the students of Raparin University.
- Alumni Talk on Digitalization in CRIP Industry (Construction, Real Estate, Infrastructure & Projects) was organized by Department of Civil Engineering on 12 November 2022 with Mr. M. Shamin Anwar, our alumnus and Associate Consultant (Implementation Team), Exto Project Solutions Ltd., Bangalore as the resource person.
- A Tech Talk on Solar PV Technology & Entrepreneurship was led by the resource person Dr. K. Pushpanathan, Director, TIAS Energy Pvt. Ltd. on 10 March 2023.

- Hands - on Training on Total Station was conducted for Polytechnic Students on 21 February 2023.
- Value Added Program on TEKLA Structures was organised at Larsen & Toubro CAD Laboratory from 13 to 17 March 2023.
- Hands on Training Session in Total Station was arranged for polytechnic students on 28 March 2023.

#### **Department Computer Science and Engineering**

- A seminar on Blockchain Awareness was conducted on 19th December 2022. Mr. Vinay D, Founder, Konma, Ms. Advitha, Co - Founder, Konma, Mr. Sangeeth, Konma Labz and Mr. Sathya, Konma - Flair were the resource persons.
- Workshop on 3D- Discern, Design, Derive was conducted on 4<sup>th</sup> February 2023 by Mr. Gauri Gopinath, a certified Life Coach and head of the NLP Academy.
- Workshop on Technophilia led by Ms. Manju K Manohar, DTM PMP, an award winning Author Coach, Career Coach and Corporate Trainer was conducted on 18<sup>th</sup> February 2023.

#### **Department of Electronics and Communication Engineering**

- A talk on NEP 2020: A Paradigm Shift in Skill Based Higher Education-Challenges & Opportunities was arranged on 12 November 2022, on account of IETE Foundation Day 2022. Dr. Tata Sudhakar, Group Head – Ocean Electronics Group, Scientist G, NIOT, Chennai was the Chief Guest and Ms. S Mohana Sundari, Scientist F, CVRDE, DRDO, Chennai was the Guest of Honour.
- One Day Faculty Empowerment Program on Telemedicine and Health Care Research was organised on 18 February 2023 in collaboration with Telemedicine Society of India
- Industry led 5 – Day FDP on 5G Wireless Communication and Beyond was conducted from 21 to 25 February 2023. Mrs. Jalaja Madan Mohan, Head, TCPAS, IGCAR inaugurated the FDP.

#### **Department of Electrical and Electronics Engineering**

- Seminar on Beginning your Professional Journey was led by Ms. Ranjini Seshadri Founder Director - indePenn Connections, Former Vice President-TCS
- Workshop on Go Solar was conducted by Dr. K Karthikeyan and Ms. M.Ramya

- Seminar on KEP on MEP for Electrical Engineers was led by Mr. Abutheheer S, Senior Design Engineer, Mr. A. Imran Sheriff, BIM Manager, Mr. Deepak S, BIM Manager
- Two Day VAP on ARDUINO and ITS APPLICATION was conducted Dr. K Karthikeyan, Ms. Lavanya, Ms. Ramya M
- 3 Day value added programme on Applied Power System Protection for Electrical Engineers was conducted on 19<sup>th</sup> April 2023 in association with INel Power System Engineers (P) Ltd.

### **School of Fashion Technology**

- A week long workshop on Judge the book by its cover: Product packaging -The Aaa to Zee was organised from 22nd to 29th July 2022.
- A seminar on Portfolio Development and Careers in Creative Industries was conducted on 30 November 2022. Ms Miranda Higgins, Student Recruitment Officer, University of the Arts London, was the resource person.
- An expert talk with Creative Director Ms. Vino Supraja on career options in the fashion industry was conducted on 3 December, 2022 in collaboration with Aspire for Her.
- Workshop on Industrial Engineering Techniques & Application in Garment Industry was conducted by Mr. Sreedhar Gunasekaran, ToT, Skilift Consulting, Tiruppur from 1 to 6 February, 2023.
- Workshop on Computer Aided Weave & Pattern Designing was conducted on 7, 8 & 10 February 2023 by our faculty Dr. R. G. Panneerselvam.
- Seminar on Merchandising Practices in Garment Industries was conducted from 13th to 15<sup>th</sup> February 2023. Mr. Somasundaram, Advisor SFURTI Scheme, MSME, Bengaluru was the resource person.
- Workshop on Eco - Printing was organized on 23<sup>rd</sup> March 2023. Ms. Uma Anand, Fashion Designer & Founder, AARRAA, Ethnic Wear Brand was the resource person.

### **Department of Information Technology**

- A Technical Expert Lecture on Data Analytics & Technical Stack led by expert speaker Mr. Gurusivaraman B, Principal Consultant - Analytics Consulting, Infosys, Chennai was arranged on 4 March 2023, in association with CSI Kancheepuram Chapter.

- Springboard Briefing & Curriculum Mapping session was conducted on 7 March 2023, in association with CSI Kancheepuram Chapter. Mr. Kannusamy Sudarsanan, Senior Analyst, Infosys and Mr. Vinay Vasanth, Specialist Education, Training & Assessment, Infosys were the resource persons.
- Workshop on Build to Learn was conducted on 18 March 2023. Our Alumni Mr. Dhanush S, Associate Software Engineer, Virtusa (Class of 2022) and Ms. Ellora Jeya Suji. J, Associate Software Engineer, Virtusa (Class of 2022) were the resource persons.
- Pre-Hackathon Workshop on Cybercratz 1.0 - Brainstorming Session was organized on 18 March 2023. Our Alumnus Mr. Muzammil Zait A, Associate Engineer, Virtusa led the session.
- The National Level Cyber Hackathon- Cybercratz 1.0 was organized on 24<sup>th</sup> & 25<sup>th</sup> of March 2023. Talented teams from colleges across the country participated in this premier event.
- A awareness session on Software Testing Tools & Job Opportunities was organised on 24th September 2022. Ms. Stephy Anna Varughese, Automation Engineer, GAVS Technologies was the resource person.
- A seminar on Crafting Your Career at Supply Chain Management was organised on 29th September 2022. Mr. Sathya Narayanan, Associate Director, Cognizant, UK was the resource person.
- Awareness programme on Cyber Security led by Dr. Aksham MD, Senior Data Scientist and Mr. Vigneshram Ramakrishnan Manjula, Data Analyst from Cyber Security Works, Chennai was organised on 13<sup>th</sup> October 2022.
- A webinar on Career in Cyber Security and See Yourself in Cyber was conducted on 22<sup>nd</sup> October 2022. Mr. Venkatesh Nagarajan, Senior Security Analyst and Ms. Swathi Govindarajan, Security Analyst from Cyber Security Works were the resource persons.
- Students from II and III-year Information Technology deliberated on the topic “How to Be Cyber Smart?” on 29<sup>th</sup> October, 2022. Mr Dharani Kumar Srinivasan, Senior Software Engineer, ICU Medical and technical expert moderated the session.

## **Department of Mechanical Engineering**

- A 4 week training for Sanmar Employees from 25th July 2022 to 23rd August 2022. A total of 27 trainees attended the 20-day training programme
- A talk on the Bright opportunities for Mechanical Engineers by Mr. Agasthya Raghavan, an alumnus of the Department of Mechanical Engineering (Batch 2018) and currently an R&D Engineer at Halliburton, Singapore was arranged on 20th August 2022.
- One Day Workshop on Digital Technologies for Intelligent Products was conducted on 23rd September 2022.
- Design Now Workshop in collaboration with Autodesk was conducted on 24th September 2022. Students from the Mechanical & Allied Departments were given training on Fusion 360.
- A Guest Lecture on Pillars of Smart Manufacturing was conducted on 16th September, celebrating Engineers Day. Dr. G. L. Samuel, Professor, IIT Madras was the guest.
- AUTO DESK Fusion 360 workshop was conducted for the students of Mechanical Engineering, Mechatronics Engineering, Aeronautical Engineering and Automobile Engineering on 22nd February 2023, in association with **ICT Academy**,
- A talk on the topic Industry 4.0: Application in Foundry Industry was conducted on 9<sup>th</sup> March 2023, in association with IIT PALS.
- One Day Program on Finite Element Analysis was conducted on 21st March 2023. Dr. Sundararajan Natarajan, Professor, IIT Madras and Dr. M. Ramakrishnan, Professor, Hindustan Institute of Technology & Science were the resource persons.

## **Department of Mechatronics Engineering**

- A talk on Aspiring Career in Mechatronics Industries was arranged on 23rd July 2022.
- A webinar on Electric Motors and Drivers for Robots was conducted on 24th September 2022. Dr. Sundaram. M, Associate Professor, PSG College of Technology was the resource person.
- Webinar on Industrial Scope of PLM (Product Lifestyle Management) was conducted on 8<sup>th</sup> October 2022. Mr. Vivek Vigneshwaran, Data Analyst (Deputed at Ford Business Service), Achalent, Chennai was the resource person.

- A 2 - Day Fusion Training Program was conducted for the third year students of Mechatronics
- Engineering on 22nd and 23rd December 2022. Mr. Dhanush, Final Year, Department of Mechatronics was the speaker.
- Expert Lecture on Higher Education Abroad was organized on 4 March 2023. Mr. Goutham Sekaran, Senior Admissions Expert, Galvanize Global Education, Chennai was the resource person.
- Expello 23, National Level Robotics Competition was conducted on 5<sup>th</sup> April 2023.

### **Professional Chapters/Cells/Clubs wise Educational Sessions**

#### **Innovation Entrepreneurship Development Cell**

- Two-Wheeler Service Hands-on Training in association with Department of Automobile Engineering was organised from 1st to 6th August 2022.
- 8th Edition of Voice of the start - ups on “Lean Startup and Minimum Viable Product” on 10th August 2022 with Mr. Gowri Shankar Sivabala, Founder and Director, Space NXT Labs (Pvt) Ltd. as the resource person.
- Seminar on “Conversion of Ideas to Patents” in association with Department of Computer Science and Engineering by Ms. Preethi Narayanan, Patent Agent on 18th August 2022.
- A session on “Innovation and Entrepreneurship as a Career Opportunity” was conducted for students on 16th August 2022. Dr. R. Lakshmipathy, IIC Convenor and Innovation Ambassador, was the resource person.
- A session on “Entrepreneurship Awareness” was conducted for students on 16th August 2022. Dr. Mohamed Zakriya, Innovation Ambassador and Start-up Coordinator, was the resource person.
- Seminar on “Patent Search” was organised in association with Department of CSE on 18th August 2022. Ms. Brinda Shakthi, IPR Cell Co-ordinator and Innovation Ambassador, was the resource person.
- Seminar on “Entrepreneurship Skill Development” was organised in association with Department of CSE on 18th August 2022. Dr. Mohamed Zakriya, Innovation Ambassador and Start-up Coordinator, was the resource person.



- Seminar on “Business Model Canvas” was organised in association with Department of CSE on 18th August 2022. Dr. R. Lakshmipathy, IIC Convenor and Innovation Ambassador, was the resource person.
- "I&E Opportunities for Beginners" for students was organised on 24th August 2022. Mr. S. Sadasivam, Innovation Ambassador, was the resource person
- Webinar on “Demo Day of Start-Ups” was organised on 27th August 2022. Mr. Hariharan, Space Zee, Mr. Mathisharma, Vayuratha and Mr. Ajith Kannan, Sand Bird were the resource persons.
- Webinar on "Start-up Ecosystem Enablers" was organised in association with Department of Automobile Engineering on 29th August 2022. Mr. Selva Kumar, EDII, Guindy, Chennai was the resource person.
- Seminar on “Entrepreneurship & Innovation Awareness” was organised in association with Department of IT on 30th August 2022. Dr. M. Nagamalar, Assistant Professor, PG Department of HRM, SDNB Vaishnav College for women, Chrompet, Chennai was the resource person.
- Seminar on “IPR & Patent Search” was organised in association with Department of IT on 30th August 2022. Ms. Brindha Sakthi, IPR Coordinator and Innovation Ambassador, was the resource person.
- Seminar on “Innovation & Design Thinking” was organised in association with Department of IT on 30th August 2022. Dr. Jose Anand, Innovation Activity Co-ordinator and Innovation Ambassador was the resource person.
- Seminar on Entrepreneurship Skill Development was organised in association with Department of IT on 30th August 2022. Dr. Mohamed Zakriya, Innovation Ambassador and Start-up Coordinator was the resource person.
- Visit to Kaligi Ranganathan Montford Matriculation Higher Secondary School and Chennai Higher Secondary School on 14<sup>th</sup> November 2022 to mentor the young innovators on ATAL Tinkering Lab.
- An orientation session on How to make Innovative Prototypes was coconducted on 17 November 2022. Dr M. Vignesh Kumar, Project Development Cell Coordinator and Innovation Ambassador, was the resource person.
- An Orientation session on Role of Institutions Innovation Council in fostering Innovation & Entrepreneurship was organised on 18 November 2022. Dr R

Lakshmipathy, IEDC Coordinator & Innovation Ambassador, was the resource person.

- A seminar on Entrepreneurship & Innovation as a Career Opportunity was conducted on 26 November 2022. Dr. R. Lakshmipathy, IEDC Coordinator, Innovation Ambassador was the resource person.
- A workshop on Problem Solving & Ideation was conducted on 26 November 2022. Dr. S. Gopinath, Innovation Ambassador was the resource person.
- A motivational session on Successful Entrepreneurship was arranged on 26 November 2022. Dr. M. Vignesh Kumar, Innovation Ambassador and Ms. B. Brindha Sakthi, Innovation Ambassador were the resource persons.
- A Motivational Session on Innovations was arranged on 26 November 2022. Mr. S. Sadasivam, Innovation Ambassador was the resource person.
- A session on Achieving Problem - Solution Fit & Product Market Fit was conducted on 17 December 2022. Dr. S. Gopinath, Innovation Ambassador was the resource person.
- A workshop on Design Thinking & Innovation Design was conducted on 17 December 2022. Dr. Jose Anand, Innovation Ambassador was the resource person.
- A workshop on Entrepreneurship Skill, Attitude & Behaviour Development was conducted on 17 December 2022. Ms. Tephilla Joice, Innovation Ambassador was the resource person.
- **Avinya**, a technical meet was conducted on 11 February 2023, which presented Engineering, Polytechnic and school students a vibrant forum to showcase their technical talent and knowledge. The event received projects from 85 Engineering institutes, 10 Polytechnic Institutes and 11 different Schools. **Dr. A Sivathanu Pillai**, Honorary Professor - Emeritus, HITS was the special guest for the event. Cash prizes worth Rs. 45000/- was awarded to winners in the different categories of project expo.

### **Research Cell**

- A workshop on Research Methodology & Technical Writing was conducted on 24th September 2022 with Dr. Deepa Jose, Professor & Head Research, KCG College of Technology and Dr. A R S Jayanth, Faculty of English, Department of Applied Science & Humanities, Anna University as resource persons.
- A Five Day Faculty Development Program on Scope of Quality Research for Funded Projects and High Impact Publications was conducted from 24<sup>th</sup> to 28<sup>th</sup> February 2023.

**Dr. C. Umarani**, Director, Center for Research, Anna University inaugurated the FDP and delivered the inaugural speech.

### **Centre for Transformational Leadership**

- A seminar on Overcoming Challenges-Human & Technical, led by the guest speaker Mr. Ram Srinivasan, Co-Founder, ZASTI on 27th August 2022.
- A workshop on Design Thinking on 17th September 2022. The resource persons Dr. Anita Manuel, Dean, Students Affairs and Dr. Swati Saxena, Asst. Professor, CSE Department, KCG College of Technology led the session.
- A session Brainstorming to Ideate as part of Design Thinking Series, led by Dr Anita Manuel, Dean-Student Affairs was conducted on 23rd September 2022.
- Workshop on Minimum Viable Product: Designing, Building & Testing was organised on 18 February 2023 as part of their Design Thinking Series. Mr. George Koshi, Director- Learning & Development- Sify Technologies Ltd. was the facilitator.
- As a part of Design Thinking Series 4, Fireside Chat on MVP to Product: Key Challenges was organised on 18th February 2023. Our Alumnus Mr. S. Bala Surya, CEO & Co- Founder, Sandbird R & D Pvt. Ltd was the resource person. Dr. Anita Manuel, Dean - Student Affairs moderated the session.
- As a part of Design Thinking Series 5, a talk on Idea Vs Innovation was organized on 4 March 2023. Dr. Anita Manuel, Professor & Dean (SA) was the resource person.
- Fireside chat with Mr Ram Subramanian on Design Thinking Journey was held on 1<sup>st</sup> April 2023.
- Impact 23, Design Thinking Challenge was organized on 15<sup>th</sup> April 2023. Dr Annie Jacob, Director, KCG College of Technology; Dr Vinay Devabakthuni, Founder, Head R&D, Konma, Balasurya, Cofounder, Sandbird R&D Pvt. Ltd. were the juries.

### **Office of Student affairs and International Services**

- A Workshop on Assessment of Four Language Skills on 27th August 2022. Officials Azent Education explained the students the IELTS enrolment procedure and test pattern. Mock Test on IELTS was also conducted.
- Professor Dr. Ing. Andreas Rau and Ms. Lenny Christina from TUM Asia, Singapore addressed the students of Departments of Automobile Engineering and Civil Engineering on the key aspects of Transport Demand Management, particularly on

making transport systems more efficient by reducing traffic congestion, on 1st September 2022.

- Mr. T. Janakiraman, Senior Engineer, Aerodynamic Design of Turbomachinery, Scania R&D, Sweden addressed the students from Departments of Aeronautical, Aerospace and Automobile Engineering on Aeromechanics and its Applications on 1st September 2022.
- Students aspiring to pursue Masters in Engineering or Doctoral Degrees in Science in the best engineering colleges across India and around the world attended workshops on preparation techniques for the GRE and GATE entrance exams on 17th September 2022.
- The Technical Collaboration & Knowledge Exchange Programme was organized on 23rd September 2022. Visiting professors Dr. Peter Koenig and Dr. Karl Hofmann-von Kap-herr toured the campus and interacted with the students.
- The mega intercollegiate cultural extravaganza, Ethereal 2022 was held on 14 and 15 October on the campus. A total of 1914 students including students from the host institution and various Arts, Science and Engineering Colleges across the country participated in the 25 events conducted. The events were judged by experts who were KCG Tech alumni, corporate connects and celebrities from the fashion and cine industry.
- Innocon 23, an event to build the culture of innovation was organised on 15<sup>th</sup> April 2023.

### **KCG Clubs**

- **KCG Youthmasters Toastmasters Club** --District 120 Officer's Training Program of Toastmaster International for Divisions B,F,G,H was conducted in KCG College of Technology on 24th July 2022. 250 participants attended the OTP, which included members from 35 Corporate Clubs and 16 Community Clubs.

The KCG Youthmasters Toastmasters Club conducted the 150th milestone meeting on 17th September, 2022. This momentous milestone meeting was attended by TM Gopinath, Area Director of the Club and members from a few community and corporate clubs.

KCG Youthmasters Toastmasters Club conducted the club level Humorous Speech Contest & Evaluation Contest on 2<sup>nd</sup> October 2022. In the Humorous Speech Contest, TM Shailesh of III Aeronautical, TM A.K.Duvaaja of II CSE and TM Elizabeth of II

ECE won the first, second and third places respectively. In the Evaluation Contest, TM R T Mohitha of II Aeronautical, TM N. Dippesh Kanth of III Aeronautical and TM Ayush Pandey of IV EEE won the first three prizes respectively. The first and second place winners of the contests got qualified to contest in the Area Level Contest. In the Area Level Contest conducted on 15<sup>th</sup> October 2022, TM Shailesh of III Aeronautical won the third prize. He has also won the first place in the Area Level Table Topic Contest.

V Gopinath of final Aeronautical has received Excellence in Leadership Award.

- **English Literary Club** -Dr Anita Manuel, Dean SA conducted a session on Creating Compelling Characters
- **Dance Club** -Choreographer Mr Surendar demonstrated basic 10 foundations of house dance.
- **Film Appreciation Club**-Club members, Vidhushan, Franklin, Sujith Rahul and Yokeshwaran gave a presentation on script writing, screen play and editing.
- **Fine Arts Club**-Session on simple embroidery and clay moulding was handled by a student team comprising 10 student members from II-year Fashion Technology.
- **Music Club**-Ms.Srivaralaxmi Maya, Carnatic keyboard player and singer conducted a workshop on Introduction about Carnatic Music and its Ragas.
- **Heritage Club**-Members were taken to Egmore museum to gain better exposure and learning of Tamil Nadu heritage.
- **Eco Club**-ECO EXPO on "Environmental Goals for Sustainable Living" was conducted and Dr. Edward Kennedy, Professor, KCG Tech evaluated the models presented by the students.
- **Quiz Club**-Wiz'ionnaire'23 was conducted in which students were tested on various levels of general knowledge through four rounds namely Quizathon, Picture Perfect, Rapid Fire and Quiz-Buzz.
- **Math Club**-Brain Buzz was organized and the members were tested on Math Knowledge through following rounds such as Connexion, Brain Teasers, JAM and Crazy Circles.
- **Women's Coding Club** -Hands-on Workshop on Selenium Testing tool - one of the most renowned open - source test automation framework was organised on 27th August 2022. Ms. Lydia Pandian, Software Testing Engineer, Issquared Pvt. Ltd was

the resource person. Crack the Code - A Technical Contest was conducted on 29 October, 2022.

- **IoT Club**-Students were explained about Skeleton Structure of CISCO Packet Tracer and provided hands-on experience in simulation of Home Automation System using IoT in Packet Tracer.
- **Robotics Club**-Students were trained to build the Robot using kit and were taught about the software to run the robot.
- **Space Exploration Club**-Dhakshina Murthy and Gokul of II Aerospace Engineering explained the software called 'Astrometrica' developed by the International Astronomical Union (IAU).
- **Mobile App Club**-A seminar on Tools for App Creation was conducted. Belgin III year, IT explained on how to use views, implement dimensions package and create responsive designs in react native.
- **Drone Club**-Hands-on Training was provided to the club members on the safety needs and manufacturing process steps. Mr.Vignesh, Product Development Engineer, Composite Manufacturing Company was the resource person.
- **AR/VR Club**-Ms. Samrakshni and Mr. Sabeesh, Space Zee handled the session. The students were taught with the use cases in Unity Software using the built-in libraries and were asked to develop examples.
- **Programming Club**-Club members were trained in Replit, an online integrated development environment used to create online projects and write code in many supported languages.
- **Art-Metry Inherited Design and Innovation Challenge**

On 18 March 2023, the Heritage Club, Maths Club and Fine Arts Club collaboratively organized the Art-Metry Inherited Design and Innovation Challenge. The challenge focused on taking inspiration from a historical art form or monument understanding and interpreting the mathematical technique in it and finally crafting an art product inspired from it. The challenge was organized for the 2nd , 3rd and 4<sup>th</sup> year students. A total of 15 teams from various departments took part in the competition. They worked on their ideas and crafted beautiful products. The challenge kindled the excitement in students and also gave them a lot of learning.
- **Civil Services Club-Topper's Talk**

**Series 13** of Topper's Talk was conducted on 31st July. Mr.S.Rishi Raghav IRTS, AOM, Chennai Division, Southern Railways enlightened the Civil aspirants about the strategies to prepare for the UPSC examinations and succeed on the path towards becoming an IRTS Officer.

**Series 14** of Topper's Talk was organised on 18th September 2022 with distinguished Speaker Mr. J. S. Mohammed Ashraf, IAAS, Deputy Accountant General, Office of the Accountant General (Audit II), Tamil Nadu & Puduchery.

**Series 15** of Topper's Talk was conducted on online mode on 31st January 2023 with Mr Sanjith Kumar, IP & TAFS Deputycontroller of communication Accounts Tamil Nadu Circle and Mr Aswin Kakumanu, IRS(IT).

### **Empowering the YOUth Series.**

- **Series 1 - Power up with LinkedIn** by Mr Ramdass Kannan – Manager, APAC Growth Partnerships LinkedIn equipped our students as how to market themselves to find their internships and jobs.
- **Series 2 Forging Leadership in Technology** by Ms Ashima Purohit - Director of Engineering, Fresh Works focussed on enhancement of Leadership Skills in our students.
- **Series 3 Career Opportunities in Fashion Industry** by Ms Vino Supraja – Creative Director was an eye opener for our students which educated on the careers in the fashion field.
- **Series 4 Entrepreneurship** by Ms Rajasri Sai – Founder – Impactree Data Technologies and Zuppa Geonavigation was conducted on account of the Women's Day Celebration which equipped our girl students with the skill on how to have their own start up and provide jobs for others being an entrepreneur after their education.
- **Series 5 Financial Literacy** by Ms Vidya Shivakumar – Co-Founder, Money Marvels, Team Ubuntu – Creating Happy Minds was conducted on account of the Women's Day Celebration. The session educated our staff and students on how to save and invest and handle their finance.
- **Series 6 Map, Explore, Choose & Hone** by Mr R Srivatsan – Head – Supply Chain Management, Zaimus Group was conducted for Mechanical Engineering students.

### **Sports Events**

- Dr KCG Verghese Memorial International FIDE Rating Chess Tournament 2022 was hosted by KCG College of Technology in association with AICF, TNSCA, CGDCA and Mount Chess Academy. Thiru Siva V Meyyanathan, Honourable Minister for Environment- Climate Change and Youth Welfare and Sports Development, Government of Tamilnadu inaugurated the tournament on 27th June 2022. Thiru Anbil Mahesh Poyyamozi, Honourable Minister for School Education, Government of Tamilnadu, the Chief Guest for the valedictory function distributed the cash prizes worth 2 Lakhs and trophies to the winners.
- KCG Legends Tennis Academy organized an Under 14 Boys and st Girls Open Non-Ranking Tennis Tournament on 1 October 2022 celebrating Chairperson's Day. Winners of this high-octane tournament were felicitated with cash awards and certificates.
- Thiru. Ma Subramanian, Honourable Minister for Health and Family Welfare, Govt of Tamilnadu conducted an awareness programme on Fitness- Health for Youth organised by the college in association with Y's Service Club of Chennai Karapakkam and Y's Men's Club of KCG College Youth.
- The Chairperson's Trophy Interschool Badminton Tournament was conducted from 19<sup>th</sup> to 27<sup>th</sup> November, 2022.
- Annual Sports Meet was conducted and the achievers were recognized on 15<sup>th</sup> April 2023.

### **Orientation Programmes**

- The college in association with Mathworks organized a three-day Faculty Development Programme on Modeling & Control of EVs Using Simulink & Simscape from 26th to 28th July 2022
- KCG College of Technology organized an Orientation Program on Tamil Nadu Engineering Admissions (TNEA) Counselling Process: Tapping the Right Choice for Career Building with distinguished Keynote Speaker Prof. Dr. P. V. Navaneethakrishnan, Former Director, Entrance Examinations & Admission, Anna University, Chennai on 24th August, 2022.
- The MATLAB Student Orientation 2022 took place on 29 December, 2022. Senior experts from MathWorks guided students through a variety of crucial topics on how to access and gain expertise over Matlab for Engineers. Ms. Niveitha Mohankumar, Education Customer Success Specialist, Mathworks and Dr. Anand Mukhopadhyay, Education Technical Evangelist, Mathworks were the resource persons.



- The college organized an Orientation Programme for the Batch of 2023 on 16<sup>th</sup> November, 2022. Director and CEO, Dr Anand Jacob Verghese presided over the programme and addressed the parents and students. Dr P. Deiva Sundari, Principal, welcomed the gathering. College Newsletter Campus Buzz was released by Mr Enid Verghese, Deputy Director, Hindustan Group of Institutions and the first copy was received by Director and CEO.
- A **3 Day In-house Faculty Induction Programme** was organised from 11th to 13th August 2022. The objective of the programme is to familiarise and refresh the participants on the strategies for effective communication and teaching in classrooms. It also familiarised them with the rules and practices of the college. DTM Nina John inaugurated the programme and delivered a session on “Motivating Students Intrinsically and Extrinsically”. Dr. S. P. Dhanavel, Senior Professor of English, IITM, Dr. Lakshmi pathy, AP-Chemistry, KCG Tech, Dr. R. Jaya, Associate Professor of English, Dr. Deepa Jose, Head – Research, Ms. Brindha Sakthi, AP-EEE, Dr. Amrutha, Assoc. Prof of Physics, Mr. Sadasivam, AP-ECE and Ms. Revathy, Students' Counsellor, Mr. Issac Gerald, CHRO were the resource persons. The Principal, Dean SA, HoDs, Head of various Cells and Committees also addressed the new recruits. A cultural programme by students was also organised as a part of the event.
- EV symposium was jointly organised by Departments of Mechanical Engineering, Electrical and Electronics Engineering and Automobile Engineering on 6<sup>th</sup> April 2023. Mr Enid Verghese, Deputy Director inaugurated the symposium.

### ***Celebrations @KCG***

- **National Handloom Day** was observed on on 13th August 2022 by School of Fashion Technology. Students and Faculty members weaved the name of the college with colourful threads to prove their solidarity. Students participated in discussions on the importance of preserving our handlooms and supporting local weavers and artisans.
- **76th Independence Day Celebration** witnessed programmes including Har Ghar Tiranga Prabhat Pheries, Inter-School Competitions and Hoisting of National Flag and NCC Flag.

- **Teachers Day** was celebrated on campus in advance on 2nd September 2022. The Chairperson Dr. Elizabeth Verghese and Mr. Enid Verghese Jacob, Deputy Director, HGI felicitated the teachers mentioning their contribution towards students bringing in laurels to the institution. The students also paid their tribute to the teachers.
- **Onam**, the festival of Kerala, was celebrated on campus on 2nd September 2022. The Onam celebration was graced by the presence of the Chairperson Dr. Elizabeth Verghese and Mr. Enid Verghese Jacob, Deputy Director, HGI. Amidst the cultural programmes, the Kerala art forms Thiruvathira and Chendamelam caught the attention of the audience.
- On account of **Engineer's Day** an informative talk on Beginning Your Professional Journey by Mrs. Rajani Seshadri, Founder Director indePenn Connections & Former Vice President, TCS was arranged on 15th September 2022. Mrs. Seshadri provided valuable insight into achieving professional success and gave a clear road map for the students to understand their goals, focus on them and accelerate their career.
- Celebrating **World Space Week**, the Department of Aeronautical and Aerospace Engineering organized a panel discussion on Privatization of Space Sector in India on 7 October, 2022. Dr. L. Srinivasan Scientist - SG, Assembly & Integration of Liquid Propulsion, Vikram Sarabhai Space Centre, Indian Space Research Organisation; Mr. B. Suresh Kumar Scientist - SF, Materials & Mechanical Entity, Vikram Sarabhai Space Centre, Indian Space Research Organisation; Mr. Shri K. Hariharan Scientist - SF, System Reliability for Launch Vehicle, Vikram Sarabhai Space Centre, Indian Space Research Organisation were the panellists.
- On account of World Suicide Prevention Day, Suicide Prevention Run 2022 was organized by the college in association with Y's Service Club of Chennai Karapakkam and YMC of KCG College Youth on 10th September 2022.
- The college in association with Y's Service Club of Chennai, Karapakkam and YMC of KCG College Youth conducted Cyclothon on 8th October 2022 to create an awareness on Mental Health, on account of Chairperson's birthday. A session for school teachers on "Mental Health in School Students" was conducted on 29 October 2022.
- Pooja Celebration, The Management, Faculty and Staff of the college celebrated Saraswati Pooja and Ayudha Pooja on 4<sup>th</sup> October, 2022. Dr. Annie Jacob, Director,

KCG College of Technology and Mr. Enid Verghese, Deputy Director, Hindustan Group of Institutions graced the occasion and distributed sweets and gifts to the employees.

- Diwali, the festival of lights, was celebrated on campus by hostel students on 23rd and 24<sup>th</sup> October 2022.
- KCG Christian Fellowship organised Christmas Carols on 22<sup>nd</sup> December, 2022. The choir performed a melodious medley of Christmas carols and hymns with enthusiastic festive fervor. The event concluded with special songs and God's message by Mr. A.S.Chellappa, Director, Christian Comforting Ministries and family.
- The Women's Day Celebrations at KCG Tech were a week-long extravaganza with an array of exciting events aimed at addressing the various opportunities and challenges faced by the women of today.
- On account of National Science Day, a workshop on Nuclear Science & Stability led by Dr. Ramanathan, Head-ACCESS and Dr. C.V.S th Brahmananda Rao, Head-SCMSS from Indira Gandhi Centre for Atomic Research (IGCAR) was organised on 14 March 2023.
- Founder's Memorial Day KCG College of Technology hosted the 17 Memorial Day Ceremony of the Founder Chairman Dr. KCG Verghese on 14 February 2023 in A P J Abdul Kalam Auditorium. The chief guest, Mr. Josh Foulger, in his Memorial Day address recollected his interactions with the Founder Chairman during his younger days. Mr. B N Kamal, the special guest and President of HITS Alumni Association, in his tribute said how Dr. KCG Verghese was considerate towards students from economically poor background and also pointed out the initiatives Dr. KCG Verghese took to strengthen the knowledge and skills among students.

### **CSR Activities**

- The college contributed 2.3 lakh rupees for the construction of single unit toilet block for boy students of Government School, Karapakkam.

- The college has contributed Rs. 4 lakhs towards the construction of a shelter room for Lady police at J11 Kannagi Nagar Police Station near Karapakkam.
- The students of KCG Tech participated in the Coastal Clean-up Drive organized on 17th September, 2022 in association with Y's Service Club of Chennai Karapakkam and YMC of KCG College Youth. The students with complete dedication and enthusiasm, cleared litters from a portion of the beach and helped in spreading awareness about the importance of keeping our coasts clean.
- Y's Service Club of Chennai, Karapakkam and YMC of KCG College Youth organized a Clean Campus Drive on 15th October 2022.
- Y's Service Club of Chennai, Karapakkam and YMC of KCG College Youth organized UNESCO World Heritage Site Visit on 22 October 2022.
- Y's Service Club of Chennai, Karapakkam and YMC of KCG College Youth organized UNESCO World Heritage Site Visit on 22 October 2022.
- Department of Electronics & Communication Engineering in association with KCG-Engineers Without Borders India organized an Organ Donation Drive on 7 October 2022. Dr. Hemal and Mr. Ganesh from Mohan Foundation led the session and delved into the importance of blood donation as well as the guidelines and procedures to be followed for successful organ donation.
- First year students from other states visited Mahabalipuram on 19 November, 2022 to explore its rich and varied history and marvel at its ancient architecture. This memorable trip was a great opportunity for KCG Techians across the country to learn about glorious heritage and vibrant Tamil culture.
- The college in association with the Y's Service Club of Chennai organized a Mental Health workshop providing counselling for school students at the Government Higher Secondary School, Karapakkam on 1 December 2022.
- The Y's Service Club of Chennai Karapakkam and YMC of KCG College Youth in association with the NSS Unit of KCG College of Technology organized a Dental Check-Up Camp on 18<sup>th</sup> February 2023 to create awareness about the importance of oral health to identify and resolve oral health issues.
- The Hill Walk organized by Engineers Without Borders India- KCG College of Technology Student Chapter took place on 19 February 2023. The students walked to the summit of the Tirusulam hill and enjoyed a vigorous morning of spirited exercise and panoramic views.

- Career Guidance Program was conducted for the Diploma Students of Mechanical and Automobile Engineering, HIET on 2<sup>nd</sup> March 2023.
- The EWB India- KCG College of Technology Student Chapter organized a Bird Watch at the Vedanthangal Bird Sanctuary on 11<sup>th</sup> March 2023. Students spent a wonderful day spotting and studying a vibrant array of birds, both indigenous and migratory.
- In association with NSS Unit, Blood Donation Camp sponsored by HDFC Bank, was organized on 18 March 2023. In total 98 units of blood were collected and donated to Egmore Lions Club & Institute of Child Health - Egmore (Government Hospital).

We also continued with our regular services to orphanages, home for aged, and habitats.

## **Our significant Achievements**

### ***Student Achievements- Co-Curricular Activities***

- Suraj Narayanan, final year Automobile won 2nd place in “Digital Twin” project of PALS-INNOVA June 2022.
- Vishnu and Karthikeyan of final year Automobile won 1st place in the competition “Pragati 2022” for their project titled “Design and Development of Smart and Multipurpose Street Vending Cart” conducted by “India Start up Revolution”
- Eight students from the Batch of 2024, Nithisri, Suriyalakshmi, Srinithi Sasi, Jothi Mangai, Joshuva Bernard , Ajay Prasad, Leelaprasath, Dharshan Ram have secured internship at Exeter Premedia Services Pvt. Ltd.
- The six - member team from first year, Muskan(AI&DS); Nafisa, Ashwini & Giri (Aerospace); Shaikh (EEE); Belgin (IT), has secured a place among the elite Top 6 finalists in the Keysight Innovation Challenge for its innovative entry, Carbon Neutrality. Team KCG Tech holds the distinction of being the only team from India in the finalists panel and has been awarded a grant of USD 2500 to develop their prototype.
- Mr. Balasubramanian S and Ms. Vandana MS successfully completed the consultancy project on 'Design and Development of E-VTOL Drone' and got internship offer from Aviac Technologies Pvt. Ltd.

- Four student teams, Red Wing, Immersive Techies, East India Company, Sparkle Fiddle, have won a cash prize of Rs.1,00,000 each for their projects demonstrated in the nationwide event, Smart India Hackathon 2022. They emerged victorious out of the 2000+ teams participated in the event.
- Our student team has won 2nd runner up position with a cash prize of Rs. 10,000. in the I- DAPT HUB PITCH CHALLENGE competition conducted by IIT VARANASI under the theme Telecommunication.
- Our student team, Zooms Ahead, is ranked 1st in TN and 10th at All India in the SUPRA SAEINDIA 2022.
- Our student team is ranked 1st in Tamil Nadu and 5th in India at the prestigious ISNEE Go Kart Design Challenge (GKDC) 2022.
- Three teams, Doreen Belinta A Kavipriya M Kavya T 3rd Year – ECE; Samson A J Yokesh Balan R, Yokesh Krishnan Sandeep M N, 3rd Year – IT and Karthikeyan Y 4th Year – Auto; Vishnu P D 4th Year, Madhi Mohammed - Auto 3rd Year – Auto, Narendran M Mariya Johnson 4th Year - ECE , Balaji R 3rd Year - Mech won cash awards for their projects in the Infusion Grand Challenge '22 conducted by La Trobe University.
- Ms. A, Doreen Belinta (ECE) | Ms. M. Kavipriya (ECE) | Ms. T. Kavya (ECE) of Team Mystic Technocrats won the first place in IEEE YESIST12 2022 with a cash award of Rs.40,000.
- KCG Tech continued its legacy of excellence at the prestigious Industry Institution Summit 4.0 held on 15 October 2022 with 4 teams from our college winning top prizes at the IET Smart City Challenge and the IET Pentathon-Makeathon. IET Smart City Challenge witnessed participation from 22 teams across the state, with Team Mystic Technocrats and Team Creative Tech emerging victorious with cash prizes of Rs.25,000 and Rs.15,000 respectively.
- IET Pentathon-Makeathon had enthusiastic participation from 12 teams state-wide. Team Kryo Tech and Team Carbon Treasure of the college were awarded the first and third places at the event, winning cash prizes of Rs.30,000 and 15,000 respectively.
- Our student team has won the Best Designer Award at Naanmudhalvan fusion 360 boot camp cum competition conducted by SSN College of Engineering and Autodesk.
- Student team from Department of Aeronautical and Aerospace Engineering participated in the AEROTHON SAE INDIA 2022 held at SJC Institute of

Technology on 18th and 19th November 2022 and is ranked All India 10 and Tamilnadu 1 .

- Malathy N, Final Year, Department of Information Technology has received Academic Excellence Award.
- Mr. Surajnarayanan S, Final Year, Department of Automobile Engineering has received Excellent Innovator Award.
- Karthikeyan Y, Final Year, Department of Automobile Engineering, Kumaran E & Sudarshan K, Second Year, Department of Artificial Intelligence and Data science have received Consistent Teamwork Award.
- Nishanth Dev, Navaneeth Krishna and Shiek Mohammed of Second Year, Department of Computer Science & Engineering have won FIRST PRIZE in a Hackathon organized by Jeppiaar Institute of Technology.
- Shri Hari R and Sahil Bakker of Final Year, Department of Aeronautical Engineering have won First Prize in Desvity Fusion 360 Design Challenge - Invente 22 organised by Bio-Med Department at SSN. They were awarded with certificates and prize money of Rs. 3000.
- Two teams from our institute won first and second place in IIT PALS innoWAH 2022 Contest. Team KRYO TECH was awarded a cash prize of INR 15,000 for their AI based project and Team ROBUSTA was awarded the second place with a cash prize of INR 10,000 for their project themed on sustainability.
- Doreen Belinta A, Kavya T and Kavipriya M, of final ECE who represented the Team Mystic Technocrats secured the first prize with a cash award of 12,000 INR for their project under the theme Health Care Innovation at Srishti 2023 conducted at Kottayam, Kerala.
- Mohammad Aamil and Neelesh B, III AI & DS won the first place under the theme Best Matlab Project and First Runner Up under the theme Best Analytical Project at Srishti 2023 conducted at Kottayam, Kerala.
- Doreen Belinta A, Kavya T and Kavipriya M, 4 Year, ECE who represented the Team Mystic Technocrats won the prestigious The People's Choice Award by La Trobe University, Melbourne, Australia at the International Competition Technology Infusion Grand Asia Challenge 2022-23 with a cash prize of 2000 AUD (1,09,000 INR).

- INFERNO RACING TEAM secured first place in FMAE FFS 2023 held at Kari Motors Speedway, Coimbatore from 1<sup>st</sup> to 6<sup>th</sup> February 2023. Students from various departments including Automobile Engineering, Mechanical Engineering, Aeronautical Engineering and EEE contested. Dr. M Vignesh Kumar, Assistant Professor- Mechanical and mentor was honored with the Special Dronacharya Award.
- Doreen Belinta A, Kavipriya M and Kavya T won the second prize with a cash award of 6000 INR at VISAI 2023, an International Project Competition and Exhibition, for their project title AEGISTEC – MCS. Also, Nitisri TS, III year - CSE, Aafreen Fathima A, III year, IT and Chrysolin D, won Special Innovation Award with a cash award of 3000 INR for their project title AR-E COMMERCE.
- Kalyanasundaram K, 2 Year CSE visited NIT Agartala and heritage places in Tirpura between 13 & 18 March 2023. He has been selected for this visit under the Ek Bharat Shreshtha Bharat Yuva Sangam Scheme of Government of India, which focuses on cultural exchange between North Eastern States and Southern States. 2000 plus students from TamilNadu applied for this scheme and 50 were shortlisted.
- Harissh T of Department of Aeronautical and Aerospace Engineering has got internship at Hindustan Aeronautics Limited, Bangalore.
- K Balasubramanian of Mechanical Engineering has got internship with stipend at Royal Enfield.

***Student Achievements- Extra-Curricular Activities- Music and Leadership***

- Advait R and Frankline Kispotta from the Department of CSE won the 1 Runner Up title and a cash prize of INR 25,000 at Yuru Musical Instrument Hackathon conducted by Sony. They created prototypes of casual musical instruments that can be played by anyone without prior knowledge and training in music.
- Nithya Kalyani S, Y's Men Club of KCG College Youth, Madras District conferred the Youth Leadership Award - Female at the Regional Youth Camp conducted on 3 and 4 of December 2022.

***Student Achievements- Extra-Curricular Activities- Sports***

- Nethra Shree .D, II year FT and Inthira .C.S, III year EEE won the fourth place in State Throwball Championship held at Thoothukudi from 1 to 5 October 2022.



- KCGTech Football Team has won the Runner up Trophy with a cash award of Rs. 8000 in the Yelagiri Cup 2022, an All India Football Tournament held at Yelagiri on 8 & 9 October 2022.
- Irin Maria P, III Aeronautical Engineering and Asmitaa, II Aerospace Engineering have won Anna University Inter Zonal Lawn Tennis Championship held at Anna University on 6 & 7 November 2022.
- Gynana Varshni S, II ECE has won the gold medal at State Taekwondo Championship and is qualified for National Level Championship to be held at Mumbai.
- Irin Maria P, III Aeronautical Engineering has won the runner up in Open Singles Category of Faywalk Open State Level Tennis Tournament organized by Kask Academy of Tennis at Tirunelveli
- Sri Sanjay B, I Mechanical Engineering has won the CSF-LSA Inter Academy Beach Volleyball Tournament held from 18 to 20 November 2022. Sam Jeba Kumar of Second Year, Aeronautical Engineering has won the Gold Medal in 100meters at the Anna University Zonal Athletics Championship.
- Syed Mohammad of Second Year, Automobile Engineering has won the third place in 110 meters hurdles at Anna University Zonal Athletics Championship.
- Lokesh of Second Year, Mechanical Engineering has won the third place Javelin Throw at Anna University Zonal athletics Championship.
- S Vijay of Third Year, Electrical & Electronics Engineering has won the Silver Medal for TamilNadu in All India Inter Zonal Karate Championship held at New Delhi on 2 December 2022.
- Geethapriya of First Year, Mechanical Engineering has won the Gold Medal in Anna University Inter Zonal Boxing Championship held at Pava Engineering College, Namakkal on 8 & 9 December 2022.
- Neethrashree of Second Year, School of Fashion Technology has won the Silver Medal in Anna University Inter Zonal Boxing Championship held at Pava Engineering College, Namakkal on 8<sup>th</sup> & 9<sup>th</sup> December 2022.
- Tamilselvan of Third Year, Civil Engineering has won the Gold Medal in Anna University Inter Zonal Boxing Championship held at Pava Engineering College, Namakkal on 8<sup>th</sup> & 9<sup>th</sup> December 2022.

- Bhuvi Niranjana of First Year, Electronics and Communication Engineering has won the Anna University Inter Zonal Archery Tournament held at S A Engineering College Avadi on 12<sup>th</sup> December 2022. He will be representing Anna University at All India University Tournament.
- Gyanavarshni of Second Year, Electronics and Communication Engineering won the Anna University Inter Zonal Tekwondo championship held at Government Engineering College, Bargur. She has also qualified to represent Anna University at All India University Tekwondo Championship.
- Hariharan, of Fourth Year, Civil Engineering has been selected for Anna University in football. He will be representing Anna University in South Zone Inter University at Calicut from 21st December 2022.
- Dileep Reddy, Second Year, Aeronautical Engineering has been selected to represent for Andhra Pradesh in the Senior Football Nationals Santosh trophy.
- Mohitha of Second Year, Aeronautical Engineering won the 4 place at Junior Nationals Snooker Championship held at Indore and also qualified to attend international selection camp.
- S. Vijay of Third Year, Electrical & Electronics Engineering has won the Gold Medal in Anna University inter Zonal Karate championship held at Kumaraguru College of Technology, Coimbatore from 23 to 25 December 2022. He is also qualified to represent Anna University in the All India Inter University Karate Championship to be held at Meerut.
- Jayashree of Third Year, Aeronautical Engineering has won the Bronze Medal in Anna University inter Zonal Karate Championship held at Kumaraguru College of Technology, Coimbatore from 23 to 25 December 2022.
- Mohitha, student of II Aeronautical Engineering and Award Winning Snooker Player, represented India at the World Women's Championship held in Thailand. The historic 40 staging of the tournament held at the Hi-End Snooker Club in Bangkok, Thailand attracted an incredible field of over 50 players from around the world.
- Nethrashree, 2 Year School of Fashion Technology has won the Runners up in the All India Senior Throwball Nationals Championship for Tamil Nadu held at Bihar.
- Chief Minister MK Stalin 70 Birthday State Boxing Championship - 25 & 26 March 2023 Geetha Priya of I Mechanical Engineering has won the Gold Medal; Tamil Selvan of III Civil Engineering has won the Gold Medal and Victor Jebaraj of I CSE

has won the Silver Medal in the Chief Minister MK Stalin 70 Birthday State Boxing Championship.

- KCG Tech cricket team won third place in the Anna University Zonal Cricket Tournament.
- Dinesh R of I ECE participated in the 2nd National Level Open Karate Championship-2023 held at Santhome Higher Secondary School, Chennai on 19 February 2023 and secured 3 First Places [Open Champion Kata, Open Champion Kumite, Individual Champion Kata] , 1 Second Place [Individual Champion Kumite] and 1 Third Place [Senior Champion Team Kata] under 18+ Years Category.
- Buvinirajan S K, 1 - ECE won the third place in the 5th State Level Archery Championship in the senior age category held at Chengalpattu on 5 February 2023.
- Sushmitha, 1 year - CSE participated in 1 South Zone Junior National Throwball Championship 2022 - 23 at Ernakulam Kerala and won Winners Title for Tamilnadu.

### **Last Word**

“Any self-respecting educational institution ought to judge its policies by its best estimate of what their long-term consequences for their students and for the society will be” are the words of Derek Bok, American educator and the former president of Harvard University. All our activities are centered on preparing our students for fruitful career and life. We help them to think critically, evaluate and analyse situations logically, offer creative and practical solutions and also identify right potentials for action. In this era of digitalisation and automation we have a mission ahead. As engineers and technocrats, we should learn to use our technical knowledge and skills judiciously that they have a positive impact on human life and the world. Let this be our mantra and make the planet earth a better place to live. Thank you.