

Vol. No.2 | Issue No. 8 | August 2023

Campus Diary 2023



EDITORS' NOTE

Dear Reader,

The month of August this year was filled with achievements, activities, festivity and celebration.

The current issue captures our achievements including university ranks, magazine rankings and winning moments in technical & cultural competitions, sports and entrepreneurial arena. All our activities beyond curriculum, placement and training and social responsibility initiatives covered in this issue are worth mentioning.

We believe in unity in diversity and together we celebrated the Independence Day and the Kerala harvest festival, Onam.

This issue presents a comprehensive view of the institute's contribution in all spheres of higher education.

Wish you all a Happy reading!

EDITORS:

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Associate Professor,
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Awards & Accolades

Ranked 49th amongst the top engineering institutions in India, 27 among south zone & 10th in Tamilnadu & 6th in Chronicle's 11th All-India Engineering Colleges Survey 2023.



Anna University Ranks

The College has achieved the 7th position in the Anna University Rank Holders List with an astounding 13 university ranks in the Anna University April/ May 2022 examination results.



Going Global-Technology Infusion Grand Asia Challenge

Four teams from KGC Tech have been selected for the next phase of the competition, which is the prototype level at the Technology Infusion Grand Asia Challenge conducted by La Trobe University, Melbourne. The teams were also awarded grants to develop a viable prototype of their ideas and inventions.



National Electric Tractor Design Competition

Team X-Trac comprising 10 members has won the overall Runner up in the National Electric Tractor Design Competition & Team E-TRON with 10 student team has won FIRST PLACE in overall Mechanical Design in NATIONAL ELECTRIC TRACTOR DESIGN COMPETITION.



G20 Intercollegiate Competition

Music club members along with the Principal and the Student Affairs Head received the second prize in the competition organised by All India Radio, Chennai in association with Ethiraj College for Women as part of the G20 Summit 2023 on 25th August 2023. The award was received from the Honorable Governor of Telangana & the Lieutenant Governor of Puducherry **Dr Tamilisai Soundararajan** in the presence of IIT Madras director **Dr V. Kamakoti** & other dignitaries.



Virtusa Women's Scholarship 2023

Eight students from our institute have received Virtusa Women's Scholarship 2023 of Rs. 50,000 each from Virtusa.



Tamilnadu Startup Thiruvizha

Our alumnus and Founder of the start-up Vayuratha Pvt. Ltd., **M. M Mohan Rishikesh** has been selected to participate at the Tamilnadu Startup Thiruvizha organized by The Startup TN on 19th & 20th August 2023 at the CODISSIA Trade Fair Complex, Coimbatore. Vayuratha Pvt. Ltd. was founded in 2020 to establish a network of industry-leading facilities and technologies in the field of Unmanned Aerial Vehicles (UAV) and to make India the next great technological hub of UAVs. This start-up is being facilitated by the KCG Innovation Incubation & Entrepreneurship Centre (KCGIIEC).



Sports Achievements

R.Dinesh, of 1st year ECE won gold in the Shivamogga 1st International MMA Championship 2023.



Mohita A of 3rd year Aeronautical Engineering has won Silver Medal in Junior snooker, Bronze Medal in Junior billiards, Senior snooker held from 4th to 7th August 2023.

Sri Sanjay, of 1st year Mechanical Engineering has created a record for a Teenager Balancing a Cricket Bat from the Handle on the Palm for the Longest Duration in the International Book of Records.



Department of Aeronautical & Aerospace Engineering

Space Week Celebrations

A Seminar on Space Education & a Poster Presentation on Exploration of Space were organised as part of Space Week Celebrations on 19th August 2023. The speaker, **Mr L. Srinivasan**, Senior Scientist & DGM at the Vikram Sarabhai Space Centre, ISRO, Thiruvananthapuram stressed the need for students and academics to discuss current & future space educational activities in India and beyond, focusing on university level activities.



Autonomous Drone Development Competition 2023

In association with SAEINDIA, Southern Section Autonomous Drone Development Competition 2023 was held on 25th & 26th August 2023. **Mr Senthilkumar Sivakumar**, Assistant Director, DGCA, Southern Region, Chennai was the Chief Guest & **Mr YST Raja**, Associate Director, Retd Outstanding Scientist & Scientist H was the Guest of Honour for the Inauguration ceremony. **Mr S Durairaj**, Director of Operations, DGCA, Southern Region, Chennai was the Chief Guest & **Dr G Nagarajan**, Senior Vice – President, SAEINDIA was the Guest of Honour for the Valedictory Ceremony. A total of 33 teams comprising around 250 student member from across India participated in the event.



Department of Artificial Intelligence & Data Science

Workshop on Big Data Ecosystem in Data Science

A Workshop on Big Data Ecosystem in Data Science was conducted on 19th August 2023. **Mr RajaGuru Kanagasabai**, Data Engineer, Paypal was the resource person.



Department of Automobile Engineering

ASDC-Hero Skill Development Center

In association with the ASDC-Hero Skill Development Center, the department organized a Campus Recruitment Drive for the second batch students on 14th August 2023. All the students who enrolled for the program received placement offers from various Hero Moto Corp Dealerships.



Future of Mobility- Disruptive Trends & Connected Technologies

Technical Talk on the Future of Mobility- Disruptive Trends & Connected Technologies was organised on 11th August 2023 led by Resource Person **Mr Sampat Hegde**, Senior Technical Manager, Mobility Solutions, Bosch Global Software Technologies Pvt. Ltd. The informative session delved into technological progress based on digitalization and automation creating exciting new opportunities for a variety of new mobility and vehicle concepts.



ADAS Technology

Technical Talk on ADAS Technology in Automobile was arranged on 17th August 2023. Resource Person **Mr Mulagada Durgaprasad**, Senior System & Software Quality Engineer, Valeo India Pvt. Ltd. provided a keen insight into how Advanced Driver-Assistance Systems (ADAS) increase car and road safety by using automated technology such as sensors and cameras to detect nearby obstacles or driver errors, and respond accordingly.



Department of Computer Science & Engineering

Technical Talk

A Technical Talk on Microsoft Azure AI was conducted on 12th August 2023. **Mr Bhaskar D**, Domain Lead of AI&DS, ICT Academy was the resource person.

IET KCG on Campus

Department of Computer Science & Engineering and Department of Information Technology jointly organised a Technical Talk on Generative AI Unleashed: Insights on 12th August 2023. **Mr. Senthil Nayagam**, Founder of Sedin Technologies was the resource person.



Department of Electrical & Electronics Engineering

Automotive Electronics Component Selection & Design

In association with Valeo India Pvt. Ltd. organized a Seminar on Automotive Electronics Component Selection & Design Overview on 19th August 2023. Resource Person **Ms Ramya Rajendran**, Senior Electronics Engineer, Valeo India Pvt. Ltd., gave an informative talk on Component Selection Standards & Manufacturing Process and **Mr Jegadeesan Subramaniyan**, Senior Electronics Engineer, Valeo India Pvt. Ltd. provided an overview of the Design Parameter Considerations & Characteristics.



Department of Electronics and Communication Engineering

Decoding the Tech Terrain



A Seminar on Decoding the Tech Terrain was organized on 12th August 2023. **Ms Ramya D S**, Member Technical Staff, Zoho Corporation Pvt. Ltd & ECE Alumna was the resource person. She enlightened the audience about the process of getting into Product & Service companies, the expectations & skills required.

Department of Information Technology

Innovations of AI/ ML in Digital Era

Seminar on Innovations of AI/ ML in Digital Era was led by resource person **Mr Saravanan Velrajan**, Chief Strategy Office, Ginkos India on 12th August 2023. The seminar provided deeper insight on how rapid growth of various industries further drives the significance of artificial intelligence & machine learning trends.



Department of Mechanical Engineering

Hands-On Workshop on Composite Development

In association with the Department of Aeronautical & Aerospace Engineering & Decadrives Pvt. Ltd. the department organized a One Day Hands-On Workshop on Composite Development on 4th August 2023. This interactive workshop expanded on the advantages of the increased structural strength & stiffness to weight ratios, simpler manufacturing process & more innovative design capabilities that composites bring.



A session on Angel Investment / VC Funding Opportunity for Early Stage Entrepreneurs

A session on Angel Investment / VC Funding Opportunity for Early Stage Entrepreneurs was conducted on 12th August 2023. **Dr S. Muthuselvan**, Associate Professor, Department of Information Technology was the resource person.



National Seminar on Accelerating the Electric Vehicle Revolution

Science & Engineering Research Board sponsored three Days National Seminar on Accelerating the Electric Vehicle Revolution: Driving the Sustainable Mobility in the G20 Era was organized from 23rd August 2023 to 25th August 2023. Resource persons enlightened the participants on Future Vehicle on Sustainable Energy, EV Policies & Procedures, Battery Management Systems in EV, Thermal Management Systems in EV, Power Electronics Converters used in EV, EV Propulsion System, Battery Management System & Micro Controller, EV Saga from Past to Future, Challenges & Opportunities for Energy Utility Infrastructure for HEV/EV, Wiring Harness Design for EV Vehicle, Digital Evolution & Electric Vehicle Architecture.



Institution's Innovation Council

How to Plan for Start – up and Legal & Ethical Steps

In Association with Department of Information Technology, Guest Lecture on “How to Plan for Start – up and Legal & Ethical Steps was conducted on 19th August 2023. Ms Brindha Sakthi, IPR Coordinator & Innovation Ambassador was the resource person.



Five Day Hybrid FDP on Intellectual Property Rights (IPR)

The IPR Cell & IQAC of KCG College of Technology organized a Five Day Hybrid Faculty Development Program on Intellectual Property Rights (IPR) from 4th to 8th August 2023. The program provided faculty members with a deeper understanding on the various types of IPR's such as Patents, Designs, Trademarks, Copyright & Geographical Indication (GI) & explained the differences among them. The program also provided valuable guidance on the requirements to file various types of IPRs.



Women's Coding Club

A workshop on Fullstack Development using Angular JS was conducted on 12th August 2023. **Ms Romyaa S**, Programar Analyst, CTS Pvt. Ltd., was the resource person.



Centre for Transformational Leadership (CTL)

Workshop on Elegant Graces: Navigating dresses and Dining etiquettes was held on 12th August 2023. **Ms Bela Susan Thomas**, Product Marketer at Zoho Corporation was the resource person. The purpose of the session was to provide the leaders of tomorrow with insights into dressing elegantly & navigating dining etiquettes, enhancing their social & professional confidence. Followed by this a workshop on Graceful Graces: The Art of Manners Matter was held to improve how a leader should present themselves elegantly during an interview. **Dr R. Amrutha**, Department of Science & Humanities, KCG College of Technology was the resource person.



On 19th August 2023, the fashion show event "Regal Runway: Leading in Style" showcased ethnic elegance, professional panache & creative expression. Jury members evaluated various aspects, including poise, confidence, & adherence to appropriate dress codes. The event aimed to recognize individuals who seamlessly embodied the essence of professional presentation. The recognition of **Jennifer, Adeline & Harish Aravind** as the top three winners underscored the event's success in promoting these essential qualities among CTL members.

Office of Faculty Affairs

Faculty Development Training Program on Leadership Skills was conducted on 12th August 2023. **Dr Muthukannan**, Principal delivered a talk on Leadership Skills in Indian Context & **Dr M. KrishnaMurthy**, HoD, Department of AI&DS on Aligned Leadership in KCG



A 2 Day Faculty Development Program on Mathematics using Matlab was conducted on 30th & 31st August 2023. **Mr Venkatesan Seetharaman**, Training Engineer, MathWorks India Pvt. Ltd. was the resource person.



Office of International Affairs and Higher Education

A Workshop on IELTS Examination was organised on 9th August 2023. Resource Person. A resource person from IDP enlightened the participants about the IELTS examination. A Seminar on International Immersion Programme with International Universities by Immersion Learning Pvt. Ltd., was organised on 30th August 2023.

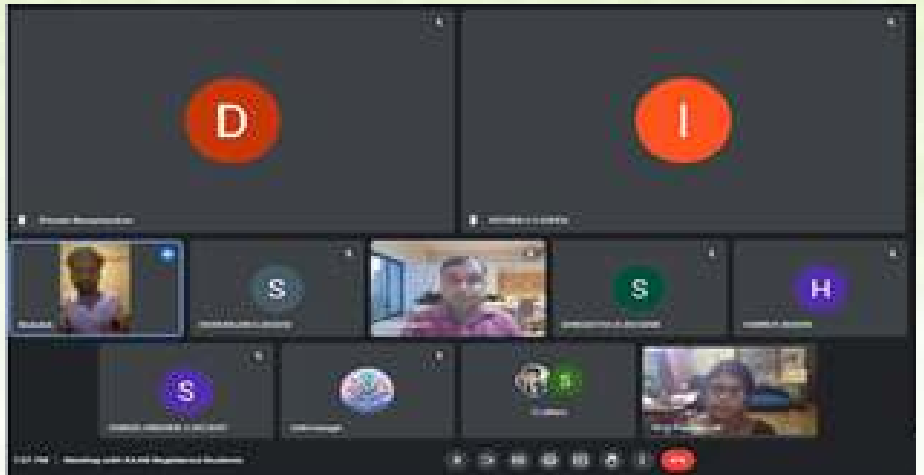


Training Cell

Alumni Expert Talk for KAAR Drive

Mr Abdullah, ECE Alumna (2013-2017 Batch) & Senior Consultant, Abeam Consulting, Singapore addressed the students who had registered for KAAR Drive on 9th August 2023.

Mr Abdullah enlightened the students about the test pattern, company project details & advantages of working in KAAR.



Alumni Expert Talk for Data Pattern (India) Ltd Drive



Mr Edwin, EEE Alumna (2018-22 batch) & System Engineer, Data Pattern (India) gave an insight on work culture in Data patterns, tips to prepare for the interview & the project details of the company to the prospective candidates on 12th August 2023.

Aptitude Refresher Training

Aptitude Refresher Training session was conducted for the students across the circuit branch from 22nd August 2023. Training sessions were handled by **Dr N.Vanathi**, Head – Training Cell & **Mr Karthik**, Freelance Trainer associated with KCG Tech since 2014.





School of Fashion Technology National Handloom Day Celebration

The School of Fashion Technology celebrated National Handloom Day with an Exhibition & Sale of Handloom Products on 7th August 2023. The event sought to bring greater awareness to the indigenous handloom weaving community & highlight the contribution of this sector in the socio-economic development of our country. A number of local handloom traders participated in the exhibition & displayed the fabrics that are specially woven by generations of weavers in their districts.



A seminar on Initiatives to Uplift the Handloom Industry was organised on 19th August 2023. Led by senior experts **Mr P. Madhu Babu**, Proprietor, Sri Aishwarya Sarees & **Mr Naresh Ramasubramaniam**, Founder & Managing Director, Shuttles & Needles, this informative session delved into the many ways in which both governmental & non-governmental organizations can organise, promote, revive & uplift the handloom industry in India.

Quit India Movement Day

Commemorating Quit India Movement Day, KCG NCC Company organised an awareness campaign on 9th August 2023 to Quit Drug Usage through posters & slogans.



Independence Day Celebration

Patriotic fervour marked the Independence Day celebrations with a spirited march by the KCG NCC Company, flag hoisting ceremony & enthusiastic tree planting.



Onam Celebration

Aarattu 2023, the vibrant Onam Celebrations was held on campus on 18th August 2023. students donned festive finery & welcomed Lord Mahabali as a harbinger of good health, great fortune & happiness



Blood Donation Camp

The NSS Unit of KCG College of Technology in association with the Y's Service Club of Chennai Karapakkam & YMC of KCG Youth organized a Blood Donation Camp on 19th August 2023 on campus which witnessed enthusiastic participation from students & staff members. 62 Units of blood were collected & donated to Adyar Cancer Institute.



Research Summary August 2023

Publication in SCI Indexed Journals

Authors	Journal Name	Article Title	Impact Factor	ISSN	Indexing
Dr Jessie A, Dept. of S&H - Maths	Journal of Molecular Structure, Elsevier	Refined Degree Bond Partitions, Topological Indices, Graph Entropies & Machine-generated Boron NMR Spectral Patterns of Borophene Nanoribbons	3.8	1872-7999	SCI, AU Annexure I, Q2 Journal
Dr B.V.Krishna, Dept. of CSE	Nonlinear Dynamics, Springer	An efficient spam detector model for accurate categorization of spam tweets using quantum chaotic optimization-based stacked recurrent network	5.6	0924-090X	SCI, AU Annexure 1, WoS, Scopus, Q2 Journal
Dr Anuradha Thangavelu, Dept. of EEE	Electric Power Components & Systems, Taylor & Francis	An Intelligent Load Balancing Strategy for Energy Cost Minimization in EV Applications	5.6	0924-090X	SCI, AU Annexure 1, WoS, Scopus, Q2 Journal
Dr S. Jothi, Dept. of CSE	Signal, Image & Video Processing, Springer	The self-adaptive dwarf mongoose optimized bidirectional network approach for enhanced recognition of overlapped English cursive characters	1.58.3	0924-090X	SCI, AU Annexure 1, WoS, Scopus, Q2 Journal
Dr R.G. Panneerselvam, Dept. of FT	Journal of Testing & Evaluation, ASTM International	Computer-Aided Special Stepping Jacquard Graphing for Weaving the Reversible Traditional Jamdani Fabrics Using Discontinuous Inter-turning Extra Weft	1.299	0090-3973	SCI, AU Annexure 1, WoS, Scopus, Q3 Journal

10 papers got published and indexed in Scopus during August 2023

KCG Faculty - Doctorate Completed Details

Ph.D. Scholar & Supervisor	Thesis Title	Date of Viva- Voce	University
Ms Meena R & Dr.V.Thulasi Bai, Professor, ECE	Experimental Studies on Performance Improvement by Mechanical Textured Cutting Tool Under Dry Truning	11 th August 2023 at 12.10 PM,offline	Anna University



CAMPUS FACILITIES



DST Supported FIST Lab



Car Simulator



Gymnasium



Aero Hangar



Link Flight Simulator



Bosch Certified Training Centre



NCC



Horse Riding



Inferno Racing