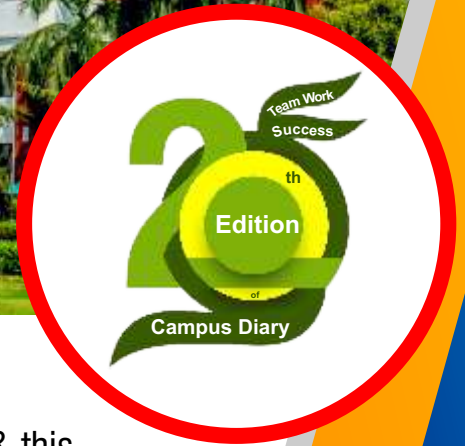




Vol. No.2 | Issue No. 11 | November 2023

# Campus Diary 2023



## EDITORS' NOTE

Dear Reader,

The November issue marks the 20<sup>th</sup> edition of the Campus Diary & this is possible only because of the team of faculty and students whose contributions are being reflected in the pages of this diary. The support & feedback being extended by the readers have been motivating us intrinsically culminating in the release of the 20<sup>th</sup> edition & many more.

The current issue presents our accomplishments & activities inviting attention to two details in particular: the series of MoUs signed with institutions across nations & the placement record of majority of our students from Aeronautical department obtaining maximum placement from Capgemini.

We wish our bond grows from strength to strength with every edition.

Wish you all a Happy Reading & Merry Christmas!

## EDITORS:

**Dr. R. Jaya**

Associate Professor,  
Department of English

**Ms. Tephilla Joice P**

Assistant Professor,  
Department of Mathematics

# Elite 4-Star Rating by the Ministry of Education Innovation Cell

Institution's Innovation Council (IIC) has been conferred an Elite 4-Star Rating by the Ministry of Education Innovation Cell (MIC) for the year 2022-23. This prestigious rating is the highest for any IIC across the country.



The College has also been provided funding support as part of the IIC Mentor Mentee Scheme, an initiative to engage high-performing IIC institutions, especially those have secured star rating of 4 and above to facilitate knowledge exchange and resource mobilization between institutions by offering inter-institutional collaborations.

## India Today- MDRA Best Colleges Ranking 2023

College features as a top university in the India Today- MDRA Best Colleges Ranking 2023. These prestigious rankings are a reflection of the truly world-class education we impart to our students, enabling them to achieve their dreams of becoming successful engineers & effective leaders.



## NM-Hackathon Industry-4.0 - TANSAM

Team ZET-X from the college won the First Prize at the NM-HACKATHON INDUSTRY-4.0 conducted by TANSAM for their innovative project under the theme Solar Powered UAV. It was indeed an immense honour to receive the award from **Mr Sukhpreet Singh**, CEO, TANSAM Centre of Excellence. In addition to software worth Rs 1 lakh from Seimens CAD, the team was also granted walk-in availability of the TANSAM workspace to further develop their product. Out of the 20 finalists for this prestigious hackathon, 3 teams were from KCG Tech.



## Racing to Glory

Team Inferno from the college has won the coveted First Place in the Acceleration & Aesthetics Categories with cash prizes of Rs.10,000 & Rs.5,000 at the FKDC Season 7, the India's premier Go Karting Competition for engineering and diploma students organized by FMAE.



## India's Highest Ever Placement

Department of Aeronautical Engineering holds the record for India's highest ever placement from a single company, as **Capgemini Bangalore** has hired an astounding number of KCG Techians from the Batch of 2023.



# Memoranda of Understanding

## Collaborative Partnership with CRP (India) Pvt. Ltd.

On 15<sup>th</sup> November 2023, an Memorandum of Understanding (MoU) was executed between Hindustan Group of Institutions, Chennai, & C R P (India) Pvt. Ltd. The representatives from the Group were **Dr Annie Jacob**, the Director, KCG College of Technology & **Mr Enid Verghese Jacob**, the Deputy Director – HGI, Chennai. Representing C R P (India) Pvt. Ltd. were **Mr M V Parithi**, Sr. General Manager, Engineering – Product Development, & **Mr K Vasudevan**, General Manager, both based at SIDCO Industrial Estate, Thirumudivakkam, Chennai.



The MoU ceremony was attended by several distinguished individuals, including **Mr Madan Chandrasekar**, Advisor, **Dr Sakthidasan**, Corporate Officer from HITS, **Mr K Sundararajan**, HoD – Training & Skill Development, HITS, **Dr Vijayabalan**, HoD – Mech., HITS, **Dr Z Edward Kennedy**, Head - IQAC, KCG College of Technology & **Dr S Jesudass Thomas**, HoD – Mech., KCG College of Technology.

## Building Global Alliances

The college has successfully forged 14 Memoranda of Understanding (MoU) with universities hailing from 7 distinct countries. Principal, **Dr Muthukannan & Dr Kalaivanan**, Head of International Studies, served as the representatives of the college during these significant collaborations.

**MoU signed with**

- University of Southern Mindanao, Philippines
- American International University, Bangladesh
- Sias University, China
- Pacific University, Philippines
- Lycium of The Philippines University Balanga, Philippines
- Daffodil International University, Bangladesh
- Siam University, Thailand
- John Von Neumann University, Hungary
- Mountain Province State Polytechnic College, Philippines
- Daffodil Institute of Information Technology, Bangladesh
- St. Dominic College of Asia (SDCA), Philippines
- Bataan Peninsula State University, Philippines
- IC University of Technology, Cambodia
- Universitas Airlangga, Indonesia

Department of Aeronautical Engineering

## International Seminar on Human Space Flight & its applications

The International Seminar on Human Space Flight & its Applications, held on 6<sup>th</sup> November 2023, and led by the Chief Guest **Dr Ravi Margasahayam**, Global Space Ambassador of NASA, offered a captivating and informative overview of the rapid advancements in space travel. The seminar delved into various applications, including space exploration, space tourism, space colonization, and other emerging fields



Department of Artificial Intelligence & Data Science

## Seminar on My Story-Motivational Session by Successful Innovators

Seminar on My Story – Motivational Session by Successful Innovators was conducted on 30<sup>th</sup> November 2023. **Mr Syed Saleem**, General Manager, Manya Education was the resource person.



### Department of Automobile Engineering

# Workshop on Technology Innovation Forum for Agricultural Nurturing

A Workshop on "Technology Innovation Forum for Agricultural Nurturing" (TIFAN) was organised on 28<sup>th</sup> November 2023 in association with the department of Mechatronics Engineering . The resource persons **Mr K.N.Balaji** (Retired from Brakes India), TIFAN South Region Coordinator & **Mr Shyam Sanjeevi**, TIFAN Mentor from John Deere Pvt Ltd, Pune handled the workshop for TIFAN team students. They elaborated on competition guidelines & provided guidelines on the technical informations about picking and placing of saplings of transplant. He shared the idea of mechanisms used in transplanting Chilli, Brinjal & tomato saplings.



## Seminar on My Story

A one day seminar on My Story - Motivational Session on Becoming a Successful Entrepreneur/Start - up Founder by **Dr Mohamed Zakriya**, Associate Professor, Innovation Ambassador was conducted on 4<sup>th</sup> November 2023 in association with School of Fashion Technology.



## VAP on Gasoline Fuel Injection

Value Added Program on Gasoline Fuel Injection was conducted on 18<sup>th</sup> November 2023. **Mr Mathavan S**, Assistant Professor, Automobile Engineering was the resource person.



## Department of Civil Engineering

## Expert Talk on Multiscale Variation of Stress & Deformation in Structures



Expert Talk on Multiscale Variation of Stress & Deformation in Structures was organised on 4<sup>th</sup> November 2023. **Dr Najmadeen Mohammed Saeed**, Assistant Professor, Department of Civil & Structural Engineering, University of Raparin, Iraq was the resource person.

## Value Added Training Program

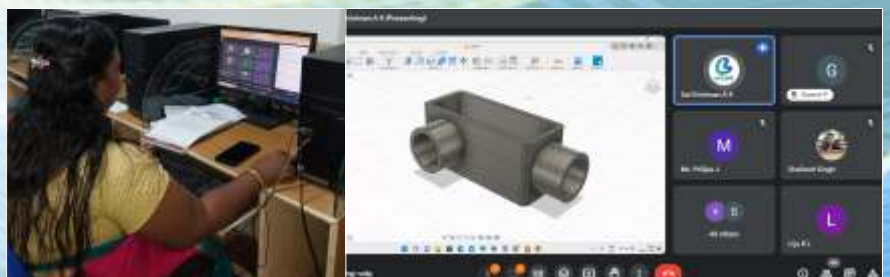
Value Added Training Program on AutoCAD was conducted on 4<sup>th</sup> & 18<sup>th</sup> November 2023. **Mr J Philips**, Assistant Professor, Department of Civil Engineering was the resource person.



Value Added Training Program on STAAD Pro was conducted from 6<sup>th</sup> to 8<sup>th</sup> November 2023. **Mr J Philips**, Assistant Professor, Department of Civil Engineering was the resource person.

## Faculty Development Program

FDP on Fusion 360 – Unlock your Design Potential was conducted from 8<sup>th</sup> to 10<sup>th</sup> November 2023. **Dr V Vandhana Devi**, HoD, Department of Civil Engineering & **Mrs Lija R L**, Assistant Professor, Department of Civil Engineering were the resource persons.



### Department of Information Technology

## Guest Lecture on Your Ideas & Rights: An Introduction to IPR

Guest Lecture on Your Ideas and your Rights: An Introduction to IPR was conducted on 4<sup>th</sup> November 2023. **Dr Safia Naveed**, Associate Professor of CSE, Women Scientist, Registered Patent of India & Patent Consultant was the resource person.



### Department of Mechanical Engineering

## Hands On Training on NDT Methods & its Applications

A One Day Workshop with Hands On Training on NDT Methods & its Applications led by senior resource persons from SMEC Automation Pvt. Ltd. was organized on 3<sup>rd</sup> November 2023 in association with Aeronautical and Aerospace Engineering . This interactive session provided a greater insight into the various types of NDT ( Non- Destructive Testing) such as visual inspection, radiography, ultrasonic testing, magnetic particle testing & penetrant testing and their applications across various verticals.





Department of Mechatronics Engineering  
**Workshop on Basics of Matlab**

Workshop on Basics of Matlab was conducted on 4<sup>th</sup> November 2023. **Ms M Shanmugapriya**, Assistant Professor, Department of Mechatronics Engineering was the resource person.



Department of Science & Humanities

**Guest Lecture on Essentials of Workplace Communication**

English Division of the department conducted a Guest Lecture on Essentials of Workplace Communication on 22<sup>nd</sup> November 2023. **Mr Saravanan Velraj**, Chief Strategy Officer, Ginkos, India was the resource person. The lecture focused on the importance of communication skills with special reference to the need for active listening, being empathetic, honest, open minded & knowing effective feedback techniques.



School of Fashion Technology

**Workshop on Awareness on IP Rights – Textile & Fashion Domain**

Workshop on Awareness on IP Rights – Textile & Fashion Domain was conducted on 4<sup>th</sup> November 2023. **Dr Mohamed Zakriya**, Associate Professor, Innovation Ambassador was the resource person.



### Guest Lecture - Apparel Product Development - An Industry Perspective

Guest Lecture on Apparel Product Development - An Industry Perspective was conducted on 6<sup>th</sup> November 2023. **Mr S Sudarsan**, Designer, No Grey Area, Chennai was the resource person.



### Guest Lecture - Business Models in Fashion Brands

Guest Lecture on Business Models in Fashion Brands was conducted on 7<sup>th</sup> November 2023. **Ms Sashi Rekha**, MD, Sara Design Studio, Chennai was the resource person.



#### Office of Alumni Affairs

### Engineering Excellence: Alumni Insights on Industry Challenges

**Mr Asish Kumar Gupta**, Business Manager, Asibatech Enterprises Pvt. Ltd., a KCG Tech alumnus Batch of 2004, Department of Mechanical Engineering visited the college on 4<sup>th</sup> November 2023 to interact with the 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> year students of Mechanical Department. The interactive talk stressed on the need to master the engineering basics and understand the requirements of the industry & develop one's skillset. **Mr Gupta** highlighted the importance of experiential learning & hands-on experience through internships at leading organizations. He concluded by encouraging students to capitalize on the world-class infrastructure available at KCG College of Technology to achieve the career of their dreams.



## Talk on Pave your way to Success

Talk on Pave your way to success was organized on 18<sup>th</sup> November 2023. **Mr Gowrishankar**, Founder SpaceNXT Labs, Alumnus Batch 2010, Mechanical Engineering was the resource person. In his retrospective overview, Mr Gowrishankar shared the multifaceted journey of his successful career, showcasing prowess as a leader, motivator, mentor, photographer, and entrepreneur. He emphasized the enduring importance of punctuality and peer learning, virtues he upheld even in his student days. Stressing the significance of maintaining a balance between academics & extracurricular pursuits, he firmly asserted that academic excellence should never be compromised. During his talk, Mr Gowrishankar delineated the abundant opportunities awaiting students in the industry, underscoring the need to embrace entrepreneurship. The students, evidently inspired by his insights, posed numerous questions, & post-session, a considerable number stayed back to glean further insights from the seasoned professional, highlighting the impact and resonance of his guidance on their aspirations.



## The Centre for Transformational Leadership Workshop on Design Thinking

Workshop on Design Thinking – Session 2 for 2<sup>nd</sup> year CTL Members was conducted on 7<sup>th</sup> November 2023. The workshop on Design Thinking: Ideation & Brainstorming was a valuable opportunity to learn about the different techniques and approaches to generating creative ideas. **Dr Anita Manuel**, provided a comprehensive overview of the ideation and brainstorming process, highlighting the importance of empathy, collaboration, & experimentation in developing innovative solutions.



### Workshop on Leadership Skills

Workshop on Leadership Skills was organized on 18<sup>th</sup> November 2023, exclusively for first-year CTL members. **Mr Sengu Paal**, the Director of Ezone Learning, a distinguished figure in leadership coaching, was the Chief Guest. During the session, Mr Sengu Paal shed light on the nuanced differences between chance & choice, underscoring how CTL serves as an avenue for refining leadership skills & metamorphosing individuals into outstanding leaders. An interactive activity was employed to elucidate the disparity between reacting and responding, using hypothetical challenges to drive home the point that leaders respond thoughtfully to problems. The students left the workshop deeply impressed, having gained inspiration & influence from the valuable insights imparted by our esteemed Chief Guest.



### Office of Student Affairs and International Students Services(OASIS)

### Visit of Delegate from James Cook University

The esteemed delegate from James Cook University, Singapore, **Ms M S Shanti**, Senior Director Admissions, Academic Services & Progressions visited the KCG Tech campus on 7<sup>th</sup> November 2023. Ms M S Shanti interacted with students & provided a keen insight into the wide reaching benefits of collaborating with international universities, facilitating the seamless exchange of ideas & creating a global network that promotes innovation.



## Cake Mixing Ceremony

The customary festive Cake Mixing Ceremony for the Hindustan Group of Institutions was held on 10<sup>th</sup> November 2023. In keeping with age-old tradition, the Staff & Students came together to create the traditional Christmas Plum Cake & showcased their creativity by making it in the shape of Father Christmas.

The event this year was attended by the Management of Hindustan Group of Institutions who participated in the festivities with enthusiasm. It was an honour to have **Dr Anand Jacob Vergheese**, Chairman, HGI grace the occasion & address those present, making the event even more joyous.



## NSS Unit Dental Camp

In association with **Y's Service Club of Chennai Karapakkam & Chettinad Dental College & Research Institute** organized a Dental Camp on 4<sup>th</sup> November 2023 on the campus to create awareness about the importance of oral health & offer services to identify & resolve oral health issues.



## KCG NCC Company Jeeva Sparsam Event

On account of 5<sup>th</sup> Jeeva Sparsam Event, A menstrual programme for girl children at Guduvanchery Girls High School was conducted on 2<sup>nd</sup> November 2023.

Free Karate Training to children at Annai Fathima Child welfare Center, Sholinganallur was conducted on 4<sup>th</sup> November 2023.



## Flora Alchemy



Flora Alchemy - An Awareness Program on Ayurvedic Medicine, the 7<sup>th</sup> Jeeva Sparsam event of the calendar year, was held on 18<sup>th</sup> November 2023. Our esteemed Chief Guest for the event **Dr Sivasubramanian**, Doctor of Ayurveda, Sri Narayana Ayurvedic Clinic provided a keen insight into how Ayurveda, an ancient medical practice said to be observed in India for over five thousand years, can be used effectively to prevent diseases and lead a healthy life. The interactive session included an informative activity in which cadets correctly diagnosed patients suffering from fever by studying their symptoms & prescribed the correct Ayurvedic medicines to treat it.

## Mobile App Club



Club Members received a brief introduction on the Mobile App Club. The Mobile App Club. Student Coordinators **Sri Krishna & Hrithik**, of 3<sup>rd</sup> year, Computer Science & Engineering, presented an introduction to Flutter & guided the audience through the software installation process.

## Robotics Club



The session commenced with an introduction to robots, where the different components were elucidated to the students. **Mr Adihya**, a Final-year Mechatronics student & the student coordinator, provided detailed explanation about the Arduino board, sensors, & motors commonly utilized in robots. Furthermore, various components & sensors were visually presented and explained to enhance the students' understanding of the topic.

## Drone Club



The initial session of the Drone Club marked a significant step in fostering a deep understanding of Unmanned Aerial Vehicles, equipping students with essential concepts. Students were introduced to cutting-edge technologies & equipment used in UAV avionics systems, bridging theoretical knowledge with practical application. The immersive experience emphasized collaboration, communication, and teamwork, fostering a dynamic and inclusive learning environment.

## Space Exploration Club



Session on Satellite Data Collection for Weather Monitoring was organised at KCG Space Technology Center. An overview of the satellites & its types were explained. The session was handled by **Dr Swarnalatha**, Associate Professor-Aero. The student volunteers demonstrated the monitoring system & its importance in weather monitoring system.

### Math Club

The students were provided with an introduction to the Math Club, where the student coordinators played a pivotal role in engaging & motivating the audience. **Nishanth**, a second-year student specializing in Artificial Intelligence & Data Science, shared insights into his math project, offering a practical perspective. The student coordinators actively interacted with the students, discussing potential projects within the Math Club and fostering a collaborative environment.



### AR Club

The chief guest for the inaugural session was **Mr Hariharan**, CEO of Space Zee Technologies. The focus of the session centered around the introduction of augmented reality (AR) & virtual reality (VR), covering the tools employed in AR and VR, their applications, & a discussion on various AR apps. To provide a hands-on experience, students were guided through an AR demonstration using Vuforia View under the supervision of **Mr Hariharan & Abishek**, 3rd year CSE, the Student Coordinators.



### Programming Club

The Programming Club's inaugural session featured **Ms Varsha Sundar**, a TCS technical lead & alumna. Focused on problem-solving in programming, the session included practical applications, hands-on exercises, & a collaborative environment, enhancing students' skills. The meeting set a promising precedent for the club, fostering creative thinking & algorithmic design for a rich learning experience.



### IoT Club

Students were introduced to IoT & Sensors, Tinkercad Electronics App & Arduino with Code Block - Programming Fundamentals







## Dance Club

Under the guidance of **Mr Surendar**, a choreographer, 50 students were mentored & evaluated, resulting in the creation of a delightful song & choreography. The engaging & enthusiastic approach fostered a conducive learning environment for the students.



## Heritage Club

The inaugural Heritage Club meeting commenced with the introduction of club activities & its vision to new members by both staff & student coordinators. Emphasizing the mission to reclaim lost heritage, whether tangible or intangible, a call was made for responsible leaders. The session included elections for key positions such as Secretary, Design Head, Media Head, & Events Head. This democratic process aimed to select individuals crucial in guiding the club toward its goals, ensuring transparency & fairness in leadership selection.



## Eco Club

Practical workshop on the topic "Sustainable Development Goals" was conducted.



## Music Club

**Ms Ashwathy Ann Thomas**, a singer, vocal coach, & choir conductor, served as the resource person for the workshop. Beginning with a concise introduction to Western Classical Music and its notation, Ms Ashwathy then led the attendees through a vocal exercise in the second part. The workshop's third segment involved a question-answer session addressing topics such as proper singing techniques, practicing high notes, & mastering vibrato. In the final part, club members were organized into bass, tenor, soprano, alto groups based on their vocal range to collectively learn the song 'There's a Palace in Your Heart.'

# General Clubs

KCG Clubs

## English Literary Club

The Shipwreck & JAM activities were conducted. A comprehensive presentation, outlining the club's objectives and upcoming exciting plans was presented to the students.



## Film Appreciation Club

Student coordinators shared their experiences and motivated the students to involve themselves in different areas of film making. An award-winning short film titled 'The English Teacher' was screened as a warm-up activity. Following the screening, participants engaged in an analysis of selected scenes, sharing their perspectives & insights.



## Fine Arts Club

A workshop on the fundamental techniques of Tie & Dye and Block Printing was organized, with training provided by **M.Abi, Bhuvaneshwari, & S.Pavithra**, final year students in Fashion Technology. Participants were divided into three groups, & essential materials such as fabrics, blocks, paints, dyes, thread, & other necessities were supplied. The training proceeded step by step, with students receiving guidance on the preparation of the craft. After the basic guidelines were explained & demonstrated, students began creating simple designs.



## Quiz Club

Random groups, each comprising 2 or 3 students, were assembled, & an engaging quiz with four rounds covering diverse themes was conducted. The rounds included identifying famous personalities, solving a crossword puzzle related to the Solar system, recognizing important global landmarks, & testing sports knowledge through online quizzes. The team achieving the highest score was rewarded with gifts, adding a competitive and enjoyable element to the activity.



## Civil Service Aspirants Club

An orientation session on the subject of Indian Economy & Economic Development was held, aiming to raise awareness of the socio-economic background. The syllabus for the civil service examination was conveyed verbally, & a brief discussion took place regarding various public service commission exams.



**Publication in SCI Indexed Journals - November 2023**

<b>Authors</b>	<b>Journal Name</b>	<b>Article Title</b>	<b>Impact Factor</b>	<b>ISSN</b>	<b>Indexing</b>
<b>Dr. M Muthukannan,</b> Principal & Prof., Dept of Civil Engg.	International Journal of Environment & Waste Management, Inderscience	Mechanical Characterisation of waste wood ash-based green geopolymer concrete incorporated with waste rubber & polypropylene fibre	0.73	1478 -9876	SCI, WoS , Scopus, Q3 Journal
	Recent Advances in Computer Science & Communications, Bentham Science	A Deep Learning Model to Detect Fake News about COVID-19	0.85	2666 -2558	SCI, Q4 Journal
<b>Dr.G. Mohamed Zakriya,</b> Associ. Prof., School of Fashion Technology	Polymers & Polymer Composites, Sage Publications	Development of polymer composites from waste cotton, coffee husk, & sawdust for thermal insulation materials	2.9	1478 -2391	SCI, Anna University Annexure I, Q1 Journal
<b>Dr.Mahalingam Arulprakasajothi,</b> Prof., Dept. of Mechanical Engg.	Thermal Science, VINCA INST NUCLEAR SCI	Heat dissipation effects of different nanocoated lateral fins: An experimental investigation	1.7	0354 -9836	SCI, Anna University Annexure I, Q2 Journal
	Thermal Science, VINCA INST NUCLEAR SCI	TLBO algorithm-based optimal heat transfer parameters prediction of Al2O3 water nanofluids in variable pitch corrugated tube heat exchanger	1.7	0354 -9836	SCI, Anna University Annexure I, Q2 Journal
<b>Dr S.Kaliappan,</b> Prof. & Head, Dept. of Mechatronics Engg.	e-Polymers , DE GRUYTER POLAND SP Z O O	Tribological characterization of sponge gourd outer skin fiber-reinforced epoxy composite with Tamarindusindica seed filler addition using the Box–Behnken method	3.7	1618 -7229	SCI, Anna University Annexure 1, WoS, Scopus, Q2, Journal

**16 papers got published & indexed in Scopus during November 2023**

**KCG Faculty - Doctorate Completed Details**

<b>Ph.D. Scholar &amp; Supervisor</b>	<b>Thesis Title</b>	<b>Date of Viva- Voce</b>	<b>University</b>
<b>Lakshmi N,Ph.D &amp; Dr M. Krishnamurthy,</b> Professor, ECE	An Automated Data Exploration & Recognition over Incremental Database Using Association Rule Mining In Social Networking	3 <sup>rd</sup> Nov 2023	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**