

# Campus Diary 2023

## EDITORS' NOTE

Dear Reader,

The month of December did not begin on a good note for Chennaiites and KCG Techians as the cyclone Michang left a trail of destruction. However, the news that three of our programmes were accredited by NBA came in as a great solace.

Resilience is our habit and also with our vision to empower dreams and engineer realities, aftermath cyclone, KCGTechians were on board organising events and bringing in laurels. Our consecutive winning in Smart India Hackathon and our extensive sports achievements this month are worth mentioning.

December gives us all an opportunity to look over the past year and plan out our next year. Wish we have a great beginning that scale up our institution.

Happy Reading and Happy New Year!

### EDITORS:

**Dr. R. Jaya**

Associate Professor,  
Department of English

**Ms. Tephilla Joice P**

Assistant Professor,  
Department of Mathematics

# National Board of Accreditation

Departments of Computer Science & Engineering, Electronics & Communication Engineering and Information Technology have been successfully re-accredited by the National Board of Accreditation (NBA) for the next three academic years, as a testament to our relentless pursuit of academic excellence.



We are proud to announce that the Departments of

**COMPUTER SCIENCE & ENGINEERING**  
**ELECTRONICS & COMMUNICATION ENGINEERING**  
**INFORMATION TECHNOLOGY**

are successfully re-accredited by



**NBA**  
NATIONAL BOARD  
of ACCREDITATION

FOR THE NEXT THREE ACADEMIC YEARS (2023-24, 2024-25 & 2025-26)

*Thank You*

Faculty & Students, for your hardwork & dedication.  
Your collective efforts have made this possible.

# Engineering Education Excellence Award

The College was awarded Engineering Education Excellence Award by Institution of Engineers, India for our commendable performance.



 **KCG**  
COLLEGE OF TECHNOLOGY  
AFFILIATED TO ANNA UNIVERSITY | AUTONOMOUS

— • Awarded • —

**ENGINEERING EDUCATION EXCELLENCE AWARD 2023**  
**COMMENDABLE PERFORMANCE**



**The Institution of Engineers, India (IEI)**



## Smart India Hackathon 2023

Team **PREMIER\_HEXAD** & Team **STIMUTECH** won the finals with a cash prize of Rs.1,00,000 for the problem statement "SIH1442 Autodesk" & "SIH1361 Development of Small Scale Wind Turbine". Our teams have achieved significant victories at the Smart India Hackathon for the fifth consecutive year.



## Engineers Award



**Dr. V. Vandhana Devi**, Head, Department of Civil Engineering received the prestigious Engineers Award for publishing Outstanding Research Papers in Civil Engineering with societal relevance. She received the award from **Mr. T. Archunan**, Director - Projects at Chennai Metro Rail Limited during the Engineers Award function organized by The Hindu & Ramco Group.

## Hana Bank Scholarship

**Ms Nisha.C**, from III year Department of Aeronautical Engineering received Hana Bank Scholarship with a scholarship amount of Rs.41,500.

*Congratulations !!!!*

**2023 HANA SCHOLARSHIP**




 **Hana Bank**

**Nisha.C of III year, Aeronautical Department  
has received Hana Bank Scholarship of Rs. 41,500/-**



### Sports Achievements



**Mr B. Manoj**, an Alumnus, Department of Electronics & Instrumentation, 2016 Batch has won Silver Medal in 100 Metres Sprint at Thailand World Games 2023. He has brought great honour to the country & the institution by qualifying for the 2024 Paralympics to be held in Paris.



**RT Mohitha**, III year Aeronautical Engineering won two Bronze Medal at 90<sup>th</sup> Billiards, Snooker & 6 Red Snooker National Championship, Chennai. She has also qualified to represent India again in the upcoming World Championship which will be held from 19<sup>th</sup> to 21<sup>st</sup> January 2024 at Belgium - Brugge & also from 29<sup>th</sup> January to 2<sup>nd</sup> February 2024 at Albania.

### Anna University Inter Zonal Boxing Tournament



**Tamilselvan**, Final year Civil won the first place in Anna University Inter Zonal Boxing Championship held at Paavai Engineering College, Namakkal on 9<sup>th</sup> & 10<sup>th</sup> December 2023 & qualified to represent Anna University in South West Zone Inter University Boxing Tournament. He also represented Anna University in South West Inter University Boxing Tournament held at Chandigarh University, Mohali, Punjab from 25<sup>th</sup> to 27<sup>th</sup> December 2023.



**Geetha Priya**, II year Mechanical Engineering won the Silver Medal in Anna University Inter Zonal Boxing Championship held at Paavai Engineering College, Namakkal on 9<sup>th</sup> & 10<sup>th</sup> December 2023 & qualified to represent Anna University in South West Zone Inter University Boxing Tournament.



**Neethrashree**, III year Fashion Technology won the Silver Medal in Anna University Inter Zonal Boxing Championship held at Paavai Engineering College, Namakkal on 9<sup>th</sup> & 10<sup>th</sup> December 2023 & qualified to represent Anna University in South West Zone Inter University Boxing Tournament.



**Shyam Prakash**, I year Mechanical Engineering won the Bronze Medal in Anna University Inter Zonal Boxing Championship held at Paavai Engineering College, Namakkal on 9<sup>th</sup> & 10<sup>th</sup> December 2023 & qualified to represent Anna University in South West Zone Inter University Boxing Tournament.



**Arun Balaji**, I year Computer Science Engineering won the Bronze Medal in Anna University Inter Zonal Boxing Championship held at Paavai Engineering College, Namakkal on 9<sup>th</sup> & 10<sup>th</sup> December 2023 & qualified to represent Anna University in South West Zone Inter University Boxing Tournament .



**Mahaboob Basha**, III year Aeronautical Engineering represented Anna University in the South Zone Inter University Football Tournament held at SRM University from 25<sup>th</sup> to 30<sup>th</sup> December 2023.



**Immanuel CJ**, I year Aerospace Engineering represented Tamilnadu in 10m Air Rifle Events in 66<sup>th</sup> National Shooting Championship held at New Delhi.



**Dharnish Gajaraj**, I year Mechatronics Engineering won the Anna University Inter Zonal Archery Championship in Indian Archery category held at VSA Engineering College, Salem on 8<sup>th</sup> December 2023 & qualified to represent Anna University in South West Zone Inter University Archery Tournament. He represented Anna University in South West Zone Inter University Archery Tournament held at Guru Kasi University, Bhatinda from 22<sup>nd</sup> to 25<sup>th</sup> December 2023.



**Harish Dhandapani**, I year ECE won the first place in Anna University Inter Zonal Badminton selection trials held at SRM University on 18<sup>th</sup> & 19<sup>th</sup> November 2023 & qualified to represent Anna University in South Zone Inter University Tournament.

He also represented Anna University in South Zone Inter University Tournament held at VIT Vellore from 20<sup>th</sup> to 25<sup>th</sup> December 2023.



## Visit by Foreign Delegates

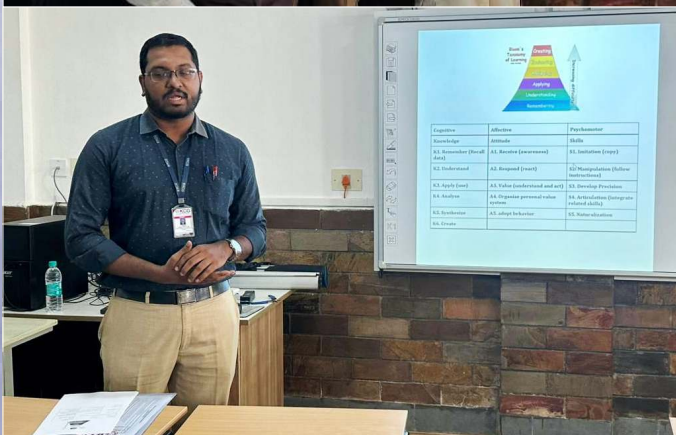
**Mr Rajaram Mohan Munusamy**, Director of the Global Organization of People of Indian Origin, France, & **Mr Johnny Arunachellum**, Director of the Reunion Chamber of Commerce & Industry, Reunion Islands, visited the campus on 1<sup>st</sup> December 2023.



## Department of Electrical and Electronics Engineering

### Workshop on CO & PO Attainment Process

**Dr S Gopinath**, NBA Coordinator, conducted a workshop on CO & PO Attainment Process on 27<sup>th</sup> December 2023 for faculty members of KCG Tech.





Department of Science & Humanities - English Division

# FDP on Writing for Research Publication and Project Funding



The English Division, Department of Science and Humanities organized a FDP on Writing for Research Publication and Project Funding on 15<sup>th</sup> & 16<sup>th</sup> December 2023. A total of 29 participants from various colleges attended the FDP. **Dr Sathiyaraj Venkatesan**, Professor of English, NIT, Trichy, **Dr Sarwani**, Professor, & Department of Inter-Disciplinary Research, **Dr Asok Kumar**, Librarian & Campus Director, **Dr M Vidya**, Assistant Professor of Commerce, from Tamilnadu Dr Ambedhkar Law University were the resource persons.

Centre for Transformational Leadership (CTL)

## Fireside Chat – A Journey of Vayuratha

On 2<sup>nd</sup> December 2023, Fireside Chat featured **Mr Mathisharma G**, the Chief Technology Officer, Vayuratha Private Limited & alumnus, Aeronautical Engineering Batch 2021. The session focused on the journey of Vayuratha, during which Mr Mathisharma shared valuable insights into the learnings, lessons, & triumphs he experienced along the way. The event also provided students with an opportunity to actively engage, clearing their doubts on startup-related topics.





# Women Empowerment Cell & Prevention of Sexual Harassment Cell

A workshop on "Lakshman Rekha" - Healthy Boundaries for girl students was organized on 2<sup>nd</sup> December 2023. The session led by **Ms Revathy Dhushyanthan**, Student Counselor, KCG College of Technology, provided guidance on how to maintain a healthy relationship with family members, friends, strangers & colleagues and also establish clear physical, psychological, financial & emotional boundaries.



## KCG Christian Fellowship Special Prayer

To thank God for his protection during the past and to seek his grace for the future, a special prayer by **Rev. Justin Jose**, Student Chaplain, Hindustan Group of Institutions was organized on 15<sup>th</sup> December 2023.



## Institution's Innovation Council A Recognition for Innovation

Palftec, an Agritech start-up by KCG Alumni has won second place in the Innovation Table Contest at the IIC Regional Meet 2023 held on 1<sup>st</sup> December 2023.





## Viksit Bharat

In association with the NSS Unit, the council organized MIC Driven Activity Viksit Bharat as part of Yuva Utsav, India @ 2047, initiative by the Nehru Yuva Kendra Sangathan, Government of India on 11<sup>th</sup> December 2023. The Utsav aims to rekindle the spirit of patriotism & values of India's Freedom Struggle by engaging the youth of the nation in various events progressing from District level to State and National levels. The Honorable Prime Minister of India Shri. Narendra Modi addressed various leading institutions across the country via video conferencing to propogate his vision to make India a developed nation by 2047, the 100<sup>th</sup> year of its independence. This vision encompasses various aspects of development, including economic growth, social progress, environmental sustainability & good governance, among others.



## KCG NCC Company Jeeva Sparsam Event

The 8<sup>th</sup> Jeeva Sparsam event, centered around **Universal Health Coverage**, took place on 12<sup>th</sup> December 2023. This awareness event aimed to shed light on traditional Indian food culture and included distribution of food to those affected by the Michuang cyclone. The initiative successfully benefitted numerous hungry and underprivileged individuals, contributing to the well-being of the community.



## Dr KCG Verghese Charitable Trust

Rice bags were distributed to Chennaites belonging to Karapakkam & Thiruporur localities who were deeply affected by Cyclone Michuang.





## Christmas Celebration

The Christmas Celebration at Hindustan Group of Institutions on 19<sup>th</sup> December 2023, was a joyous event led by **Dr Anand Jacob Verghese**, Chancellor, HITS, & Chairman, Hindustan Group of Institutions. The Chief Guest, **Rt. Rev. Dr. Gregorios Mar Stephanos Episcopa**, & Guest of Honour, **Mr Chang-nyun Kim**, Consul General of the Republic of Korea, added to the festive spirit. **Dr Verghese** highlighted the institution's achievements in 2023 and its commitment to social responsibility, especially in post-flood relief efforts. The bishop delivered a message on the significance of Christ's birth, emphasizing the need for a counter culture of love and light. **Mr Kim** celebrated the 50<sup>th</sup> anniversary of India-Korea relations and commended students for securing scholarships. The event featured prayers, hymns, Bible readings, carol renditions, and dances. **Ida Mary J & John Ryan** of Final Year Aerospace Engineering won **Third Prize in Biblia 2023**. KEB Hana Bank announced scholarships, and the celebration concluded with a cake-cutting ceremony, a vote of thanks, and closing prayers. Overall, it was a festive occasion fostering a spirit of sharing and celebration.





## Mobile App Club



The students actively participated in a hands-on experience with a 2D Gaming App developed using Flutter. They were educated on the design process involved in creating a Gaming App using Flutter. As a result of the intervention, the students successfully demonstrated their ability to independently develop a Gaming App utilizing Flutter.

## Robotics Club



The students were organized into groups, & each group was assigned a task of identifying & documenting the various components of a robot. Subsequently, each group received a robot kit & assembled the identified parts. The final assemblies produced by each group underwent thorough inspection to ensure accuracy & completeness.

## Drone Club



During the session, club members were divided into two groups, each actively engaging in an agricultural drone session. Participants had the opportunity to witness drone flights firsthand at Vayuratha Private Limited. Team members from Vayuratha imparted knowledge about the various components of drones to the students.

## Space Exploration Club



A thought-provoking guest lecture was given by **Mr. Subash**, founder of Brahmastra Aerospace Pvt Ltd. The event elaborated on job opportunities in Indian Aerospace, discussed recent projects, & motivated aspiring professionals. Students actively participated, posing insightful questions & engaging in discussions during the interactive session.



### Math Club

A workshop titled "Applications of Mathematics in Space, Data Science, & Resource Management" was conducted by **Mr V. Balaji**, HOD S&H, Sri Sairam Institute of Technology. In his insightful talk, Mr Balaji highlighted the significant role of Mathematics, particularly in the realm of Space Applications. The session aimed to cultivate students' interest in Mathematics, providing them with essential knowledge applicable across various engineering fields.



### AR Club

The session aimed to involve club members in creating an AR Application using Unity and Vuforia SDK. Students installed the Unity Game Engine, discussed related software, and began developing a simple AR app guided by **Abishek JA**. The task involved creating an AR application for the college, with the top three applications receiving appreciation.



### Programming Club

The session commenced with an introduction to "Scratch Visual Programming" and its development procedure. After guiding the installation of Scratch on Windows machines, a hands-on tutorial ensued, focussing on animation development. Students were instructed on creating games using Scratch, successfully following the outlined steps to develop simple game applications independently. The use of Scratch not only facilitated the creation of animations but also made learning basic programming concepts enjoyable, allowing students to craft engaging games, stories, and other block-based programming projects.



### IoT Club

The introduction to the ESP32 Development Board included a discussion among club members about Python programming for this board. Demonstrations of the ESP32 Development Board were conducted using a simulator, showcasing its functionalities. Additionally, live projects utilizing the ESP32 Development Board were presented to students, offering practical insights through the Blynk app.





## Dance Club



**Mr Surendar**, the choreographer, served as the resource person for the session, which kicked off with a Tamil song "Hayoda". Attended by 50 students, the session engaged participants in performing various dance styles. The students actively participated and closely followed the choreographer's instructions.

## Heritage Club



The Heritage Club, dedicated to promoting a profound understanding of history and culture, orchestrated a captivating event - the Treasure Hunt: Unveiling the Past through Fun. This activity sought to blend the excitement of adventure and teamwork with participants knowledge of historical artifacts and landmarks, creating a distinctive and interactive experience to connect with the past. Participants deciphered clues related to Tamilnadu history, guiding them to specific locations on campus, fostering a deeper engagement with heritage in a fun and dynamic manner.

## Eco Club



The ECO Club organized a technical presentation on environmental concerns, featuring topics like green roofs and technology for solving environmental issues. Two student activities, a debate on sustainable education sources and the current efforts for sustainable development, were conducted in which fifty students participated. Best presentations were recognised.

## Music Club



The event, structured as an 'Open Mic Day', provided a platform for club members to exhibit their diverse musical talents. Thirty participants showcased their skills by singing various genres of songs and playing instruments such as drums, guitar, and piano during the session.



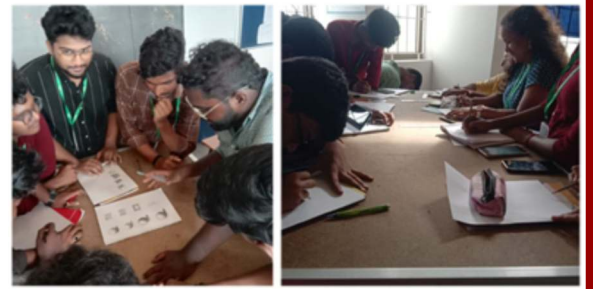
### Film Appreciation Club

**Mr Yashwanth**, a Short Film Director and Assistant Director, served as the guest speaker for the day, delivering a presentation on “An Overview of Techniques of Script Writing”. He provided insights into the steps and tools involved in script writing, making the session informative and valuable for the students. Mr Yashwanth also shared his presentation and showcased his short film “Nodigalal Naam Kariya” to the club members, accompanied by his music director, **Mr Mohankumar**.



### Fine Arts Club

The session focused on fundamental techniques of sketching and illustration, conducted by **Shannal Antony Raja, M.Abi, Bhuvaneshwari, S.Pavithra, Panthagani Bindhu, Mahalakshmi, and Jothika** from the final year of Fashion Technology. Students were grouped into six teams, with each group assigned an individual trainer. After a demonstration on sketching materials, students received necessary supplies and were guided step by step in creating basic sketches. Following the explanation of basic guidelines, students proceeded to practice simple sketching.



### Quiz Club

In collaboration with the English Literary club 'Mindset Merge,' an initiative was undertaken to boost English vocabulary and memory power through interactive quizzes. Random groups, consisting of 2 or 3 students, with at least 1 member from each club, participated in three quiz rounds centered around different themes: 'GLAM & GLOBAL' for enriching English vocabulary and general knowledge, 'MEDIA MASTRY' to enhance listening skills, and 'RELATE AND RESOLVE' providing a creative approach to identifying countries and Indian states.



### Civil Service Aspirants Club

Conducted by **Mr G. Sundarapandian**, Founder of Dhanshri IAS Academy, the session offered valuable insights into Civil Services Exam preparation. The resource shared information on exam strategies, success stories of eminent individuals in the field, & discussed the syllabus, highlighting various options for selecting mains optional examinations.





### Publication in SCI Indexed Journals - December 2023

Authors	Journal Name	Article Title	Impact Factor	ISSN	Indexing
<b>Seeniappan Kaliappan,</b> Prof., & Head, Dept of Mechatronics Engg.	Case Studies in Thermal Engineering, Elsevier	Building heating by solar parabolic through collector with metallic fined PCM for net zero energy/emission buildings	6.8	2214-157X	SCI, Anna University Annexure I, Q1 Journal
<b>Dr Deepa Jose,</b> Prof., & Head, Dept of ECE	Computer Methods in Biomechanics & Biomedical Engineering, Taylor & Francis	An ensemble-based serial cascaded attention network and improved variational auto encoder for breast cancer prognosis prediction using data	2.46	14768259	SCI, Anna University Annexure I, Q3 Journal
<b>Dr Deepa Jose,</b> Prof., Dept of ECE	Journal of Intelligent and Fuzzy Systems, IOS Press	Detecting Anomalies in Fetal Electrocardiogram Records Using Deep Learning Models	2	18758967	SCI, Anna University Annexure I, Q2 Journal
<b>M.Arulprakasajothi,</b> Prof., Dept of Mechanical Engg.	Journal of Materials Science: Materials in Electronics, Springer Nature	A novel sol-gel assisted nanoporous TiO <sub>2</sub> /PS electrode-based carbohydrate biosensor	2.8	09574522	SCI, Anna University Annexure I, Q2 Journal
<b>Dr Naveen R,</b> Asst. Prof., Dept of Aeronautical & Aerospace Engg.	Recent Advances in Computer Science & Communications, Bentham Science	Examining the effects of UV radiation on the physical and tensile properties of TiO <sub>2</sub> functionalized Kevlar fiber reinforced epoxy composites	2.9	2574089X	SCI, Anna University Annexure I, Q2 Journal
<b>Dr T. Jayakumar,</b> Assoc. Prof., Dept of Mechatronics Engg.	Journal of Optics, Springer	Unlocking insights of oil derivatives with terahertz spectrum analysis: the hybrid refractive index rectangular core photonic crystal fiber perspective sensing	1.8	20408986	SCI, Anna University Annexure I

### KCG Faculty - Doctorate Completed Details

Ph.D. Scholar & Supervisor	Thesis Title	Date of Viva- Voce	University
<b>Mr S.Sadasivam,</b> Ph.D & <b>Dr.V.Thulasi Bai,</b> Prof., ECE	Performance Analysis of Compact Ultra-Wide Band Micro Strip Patch Antenna for Breast Cancer Detection	19 <sup>th</sup> Dec 2023 at 1:30PM	Anna University
<b>Ms. K. Karthika,</b> Ph.D. & <b>Dr.G. R .Jothi Lakshmi,</b> Assoc. Prof., Dept. of ECE, VISTAS	An Early Prediction Of Lung Cancer, Solid, Liquid & Semi Liquid Deposition & its Classification Through Measurement of Physical Characteristics Using CT Scan Images	11 <sup>th</sup> Dec 2023 at 2:30 PM	VELS University





**KCG**  
COLLEGE OF TECHNOLOGY  
MOTHER TERESA BLOCK

# CAMPUS FACILITIES



**DST Supported FIST Lab**



**Car Simulator**



**Gymnasium**



**Aero Hangar**



**Link Flight Simulator**



**Bosch Certified Training Centre**



**NCC**



**Horse Riding**



**Inferno Racing**



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