Campus Diary 2023

EDITORS' NOTE

KCG College of Technology believes in the concept of holistic education and adopts strategies that help learners to keep up with the changing times. The Campus Diary May 23 presents our campus activities that includes the inauguration of KCG Space Technology Centre, EV Symposium and activities which inculcates the spirit of service, leadership, innovation, entrepreneurship and the quest of learning among students.

One of the best feelings in life is discovering that you are appreciated by someone. We encourage our students to excel more by celebrating their achievements. The current issue of the newsletter draws your special attention to 25th College Day Celebration, 25th Annual Sports Day in which we have recognised the young achievers who had brought laurels to the institution and pride to their family.

Let us Learn, Lead and Succeed.

Happy Reading all!

EDITORS:

Dr. R. Jaya
Associate Professor,
Department of English

Ms. Tephilla Joice P
Assistant Professor,
Department of Mathematics

National Champions - ICT Academy - AUTODESK

Team KCG comprising students from the Department of Aeronautical Engineering has won First Place at the **India Design Week 2023 Challenge** conducted by **ICT Academy in collaboration** with the **AUTODESK.**

Over 5,000 teams representing 100 colleges participated in this prestigious national level competition, with 3 teams from KCG College of Technology emerged as finalists. The team comprising **Mr. Sahil Bakker** & **Mr. Prasad Kumbhar** emerged victorious for their project- Automatic Stretcher cum Wheelchair and were awarded a cash prize of INR 50,000.

INDCON 2K23

Kaushik S & **Josna C G** of 4th year, Department of ECE won First Place with cash award of Rs. 3000, **Kalyanansundaram, Devadharshini, Amithesh** & **Kiruthik** of 2nd year, Department of CSE won Second Place with cash award of Rs. 2000 in the INDCON - 2K23 conducted by **Anna University** organised by Society of Industrial Engineers for the theme Sustainability and Industrial Competitiveness.
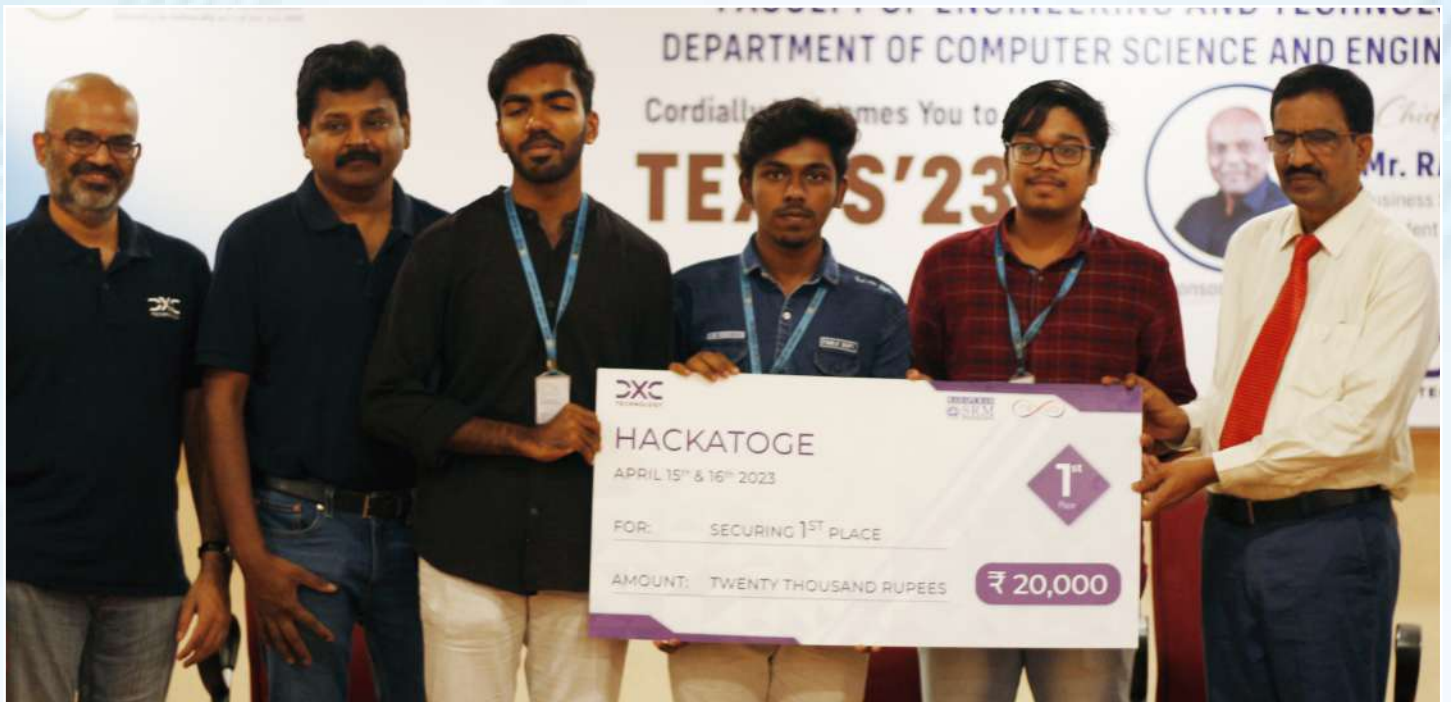
Flight'23

Keshav Kumar A B of 3rd year, Department of Aeronautical Engineering has won First Place in the Air Crash Investigation and Second Place in the Air Chief Marshal Competition at **Flight'23** Symposium conducted by MIT, Madras Campus, Anna University on 8th April 2023.

INTECHNO 2K23

Reegan R, Madhan Kumar S & Sanjana CS of 2nd Year, Department of Information Technolgy won First Place in Techowar, **Shriram S S & Divya Prakash** of 2nd Year, Department of Information Technology won First Place in Code GPT, **Reegan R & MadhanKumar S** of 2nd Year, Department of Information Technolgy won Second Place in Techzzle, **Kaushik S & Balaji M S** of of 4th year, Department of ECE won Second Place in the Paper Presentaion under the topic Opti Predict Eye Solution at **INTECHNO 2K23** conducted by **MIT, Madras Campus, Anna University** on 8th & 9th April 2023.

Hackatoge

Shriram S S, Sriram G J, Tarunes K of 2nd year, Department of Information Technology won First Place in Hackatoge conducted under Texas 2023 on 15th &16th April 2023 at IITM Research park organised by SRM Institute of Technology, Ramapuram Campus.

Vahanaa 23

Sanjay S of 2nd year, Department of Automobile Engineering has won First Place in Vahanaa 23, Auto Carnival at Hindustan Institute of Technology and Science.

Toastmasters International

Gopinath V of 4th Year, Department of Aeronautical Engineering has received Excellence in Leadership Award from Toastmasters International.

2nd Regional CSI - Kancheepuram Chapter

We have been recongnized with three awards in the 2nd Regional CSI - KPM chapter for actively conducting various events through CSI professional body held at St.Joseph Institute of Technology.

Best Student Branch Coordinator Award **Dr. J. Frank Vijay**

Best Innovative Project Award
SolFi - **Mr. Belgin Jarosh** Mentored by **Ms. A.Anju**

Best Supporting College Award - KCG College of Technology

State Level Boxing Tournament

Geethapriya of 1st year, Department of Mechanical Engineering won the Gold Medal
at State Level Boxing Tournament held at Thiruvallur on 30th April 2023

Memorandum of Understanding

KCG College of Technology has signed a MoU with **ST Advanced Composites** and **Metzer LLC** on 17th April 2023.

Dr. Anand Jacob Verghese, Chairman, Hindustan Groups of Institution represented KCG College of Technology, **Dr. Devendran Thirunavukarasu**, Founder and Director represented ST Advanced Composites and **Ms Subhashini Manoharan**, CEO and MD represented Metzer LLC at the MoU signing ceremony which was conducted as part of the inauguration of the KCG Space Technology Center.

The MoU will facilitate innovation in astronomy, space science and technology and provide the support and infrastructure required to build micro and nano satellites for different missions and provide opportunities for space start-ups.

KCG College of Technology has signed a MoU with **Neel Metal Products Ltd.,** (JBM Group) on 20th April 2023.

Department of Aeronautical & Aerospace Engineering

KCG Space Technology Centre Inauguration

KCG Space Technology Centre was instituted on 17th April 2023 with the objective to encourage students to gain knowledge in the advanced fields of satellite and space systems and use them for societal benefits

Shri A S Kiran Kumar, Padma Shri Awardee and Former Chairman of ISRO inaugurated the centre and addressed the gathering. In his inaugural address, the former ISRO Chairman highlighted the remarkable progress India has made in space technology research.

The Special Guest, **Dr A Sivathanu Pillai**, Founder of Brahmos and Padma Bhushan Awardee in his address stressed on the need to collaborate with industries, support start-ups and together develop space technology for the benefit of people in the lower strata of the society.

Dr Anand Jacob Verghese, Chairman, Hindustan Group of Institutions, presided over the function. Dr. Verghese expounded on the objectives of the centre and activities that are centred around the holistic development of the student community.

Mr. Nicolas Cazalis, Vice President, ENAC and Dr Lalit Gupta, Former JDG, DGCA also addressed the gathering. Mr. Nicolas Cazalis stressed on the need for educational institutions to enter into partnerships with international satellite organisations, research institutions and universities and provide skilled workforce in space technology. Dr Lalit Gupta emphasised on the need to focus more on sustainable operations.

The inaugural function was a grand success and emphasized the institutions mission to provide a world-class education to those aspiring to pursue a career in Aeronautical & Aerospace Engneering

Department of Automobile Engineering
Interactive Session on Electric Vehicle Technology

Interactive Session on Electric Vehicle Technology was conducted on 24th April 2023.
Mr. Vatsal Shah, Director, EV Division Skill Lync was the resource person.

Department of Civil Engineering
Seminar on Insight into Design & Construction
of Mass Rapid Transit System

Seminar on Insight into Design & Construction of Mass Rapid Transit System was organised on 1st April 2023.
Mrs. M. Sivasangari, Technical Director, Meindhardt Infrastructure Pvt. Ltd. Singapore was the resource person.

Industrial Visit

Second year students visited construction sites of Tamilnadu Police Housing Corporation, G+4 residential building at Tambaram Sanatorium and Tamilnadu Police Housing Corporation, construction of Police Public School and Swimming Pool at Kandigai towards Kelambakkam on 6th April 2023.

Webinar on Simulating Oceanic Process Using TELEMAC 2D Software

Webinar on Simulating Oceanic Process Using TELEMAC 2D Software was organised on 1st April 2023. **Mr. Raam Balaji V**, an alumnus of KCG Tech and Project Scientist at INCOIS, Hyderabad was the resource person.

International Seminar on Concepts of Pre Engineered Buildings & Its Advantages

International Seminar on Concepts of Pre Engineered Buildings & its Advantages was organised. **Mr. T. Ganapathy Prakash** B.E, Engineer Supervisor, Mabani Steel LLC, UAE was the resource person. **Mr. Ganapathy** explained how pre-engineered buildings have a predetermined inventory of raw materials and the required components are engineered beforehand and standardized, thereby reducing the engineering, production and erection time. He also explained how the use of customized software for design & drafting significantly increases the speed of the project, thereby hastening the completion timelines.

Department of Computer Science & Engineering

Workshops in Flutter, Blender and Unity

Workshops in Flutter, Blender and Unity was organised on 1st April 2023 with expert resource persons to provide students exposure to emerging platforms. **Ms.Varshaa D**, Software Engineer, Virtusa gave students an insight into Flutter, an open source framework by Google which can be used to build, test, and deploy mobile, web, desktop, and embedded apps from a single codebase. **Mr.Ashik**, 3D Artist, Crion Technologies briefed students on Blender, a free and open-source 3D computer graphics software tool set used for creating animated films, visual effects, art, 3D-printed models, motion graphics, interactive 3D applications and virtual reality. **Mr.Sathish**, Metaverse Developer, Crion Technologies provided students a deeper understanding of Unity, a tool that allows users to accomplish different types of tasks related to the game production process.

Department of Electronics & Communication Engineering

Webinar on IoT Development- Opportunities & Challenges

Webinar on IoT Development- Opportunities & Challenges was organised on 1st April 2023. **Mr. Samuel Jigme Harrison**, Semiconductor Professional, Senior Member-IEEE, Singapore was the resource person. The session gave students a keen insight into the bright and exciting world of Internet of Things (IoT). Mr. Harrison briefed students on the fundamental concepts of IoT, its origin, impact, methodologies and tools, and how IoT can be leveraged across business functions to allow the intelligent exchange of data.

Industrial Visit

Second year students visited National Institute of Ocean Technology (NIOT), Chennai on 10th April 2023.

Department of Electrical & Electronics Engineering

Applied Power System Protection for Electrical Engineers

In association with INEL Power System Engineers (P) Ltd., CoE in Substation Automation & Smart Grid organised 3 Day Value Added Program on Applied Power System Protection for Electrical Engineers, APSP - Level 1 with industry experts from INEL Power from 17th to 19th April 2023 .

Technical Symposium on Electric Vehicles in the Age of Digitalisation

Technical Symposium on Electric Vehicles in the Age of Digitalisation was conducted on 6th April 2023. The event boasted enlightening knowledge sessions with industry leaders. The event began with a welcome and special address by **Mr.Enid Verghese Jacob,** Deputy Director, HGI, touching upon the possibilities of how electric vehicles can revolutionize the future of transportation and the tremendous progress in the field so far. The Inaugural Address was led by **Mr. Pradeep Chandrasekaran** from OLA Electric Technologies Private Limited provided valuable insight into the Upliftment of Electric Vehicles.

A spirited Panel Discussion followed, addressing the futuristic trends in electric vehicle industry. This was presented by **Mr. Arumugam Ramachandran**, Sr. Manager, Visteon Technical Service Center, **Mr. S Parthiban,** Domain Head, Ashok Leyland, **Mr Muthu Mariappan,** Corporate - Placement and Partnership, Skill Lync, **Mr. M Prasad**, President, Agnito Insights and **Mr. R Babu**, Electrical Motor Consultant, Moderator.

Educational Sessions

Around 20 vendors viz Toyota, **Maruthi Suzuki Nexa, Ozone Motors, Yali Mobility, Revolt, Hero Motors, Bgauss, Benling Plug-In, Prana EV, Voltrix, Lectrix**, Velev Motors have showcased their EVs and Hybrid vehicles at Zeppelin Open Air theatre. Students from all branches of KCG had the opportunity to test-ride the vehicles and gained a good learning experience on different models and specifications.

The afternoon session focused on Startup Success Stories from 5 different start-ups: **Mr. Ajesh Saklecha**, Co-Founder & CEO, Ozone Motors Pvt. Ltd., Chennai, **Mr. Ashwin Badri**, CTO & Co-Founder, Blaer Motors Private Limited, **Mr. Sakthivel Thayappahn**, Founder, Yali Mobilty Pvt. Ltd., Chennai, **Mr. Viveak M Palanivasan**, Founder & CEO Valtrix Mobility Pvt. Ltd, Chennai & **Mr. Prakash Suman**, Co-Founder and Director, Sri Vidyut Ean Tech India Pvt. Ltd., Chennai.

The event was a resounding success, with students gaining an invaluable understanding of the evolution of Electric Vehicles and their potential to revolutionize the future of transport.

Department of Mechatronics Engineering
The National Level Robotics Competition EXPELLO '23

The National level Robotics competition EXPELLO '23 was held on 5th April 2023. The purpose of the robotics competition was to encourage the students to develop their skills in Robotics and showcase their talent in the field of Robotics, which is a crucial specialization in the field of Mechatronics.

This National level event comprised various competitions such as Robo Tracker, Maze Solver, Robo Race, Robo Soccer, Pick and Place Challenge, Robo Quiz, and Robo 3D Modeling...where the student's technical abilities were tested and assessed based on different criteria of the specific competition. More than 110 participants with 30+ teams from various institutions participated in the event. **Mr. Deepan Ponraj**, Senior R&D Product Development Engineer, TE Connectivity was the Chief Guest for the Valedictory event.

The Centre for Transformational Leadership
Fireside Chat on A Design Thinking Journey

Fireside Chat on A Design Thinking Journey was organised on 1st April 2023. **Mr. Ram Srinivasan**, Co-Founder, ZASTI the guest for the session delved into the importance of strategic thinking at its core, and how we can deploy disruptive design thinking to collaborate with others to create better ideas, and experiment to test ideas in a low-risk environment to ultimately walk away with a better solutions for real-world challenges.

Knowledge session on Cost vs Revenue

Knowledge session on Cost vs Revenue as part of its Design Thinking Series 6 was organised on 1st April 2023.
Dr. M Vignesh Kumar, Asst. Professor, Department of Mechanical Engineering was the resource person.

IMPACT'23

IMPACT '23- Design Thinking Challenge was organised on 15th April 2023. An illustrious jury panel comprising **Dr. Annie Jacob**, Director, KCG College of Technology, **Mr.Vinay Devabhakthuni**, Founder, Head R&D, Konma and **Mr. S Bala Surya**, Co-Founder, Sandbird R&D Private Limited reviewed the innovative solutions put forth by the participating teams to address and resolve real-world challenges. The winning teams were felicitated by the jury who lauded their cutting-edge ideas and abstract thinking.

Empowering the YOUth - Big Data

As part of the Empowering the YOUth Series, a knowledge session on Big Data led by **Ms. Manohari Jayachandran**, Software Engineer, Blue Yonder was held on 20th April 2023. As part of the session, **Ms. Manohari** highlighted cutting–edge data science techniques and reflected on the challenges within data science.

Internal Quality Assurance Cell

FDP on Teaching Learning Process

One day Faculty Development Program on Teaching Learning Process was conducted on 28th April 2023. **Dr. Edamana Prasad**, Head TLC, IIT Madras was the resource Person. He spoke about course learning outcomes, Best teaching practices and Assessment plan.

The Office of Industry Partnership & Corporate Affairs
Mock Interview

Training & Placement Wing organized Mock Interview by Industry Experts & KCG Tech Alumni on 1st April 2023. Our students were groomed to excel in placement tests and interviews through several rounds of mock interviews with industry leaders and an established network of high-achieving alumni, who provided valuable insights on how to enhance soft skills and stand out to potential recruiters.
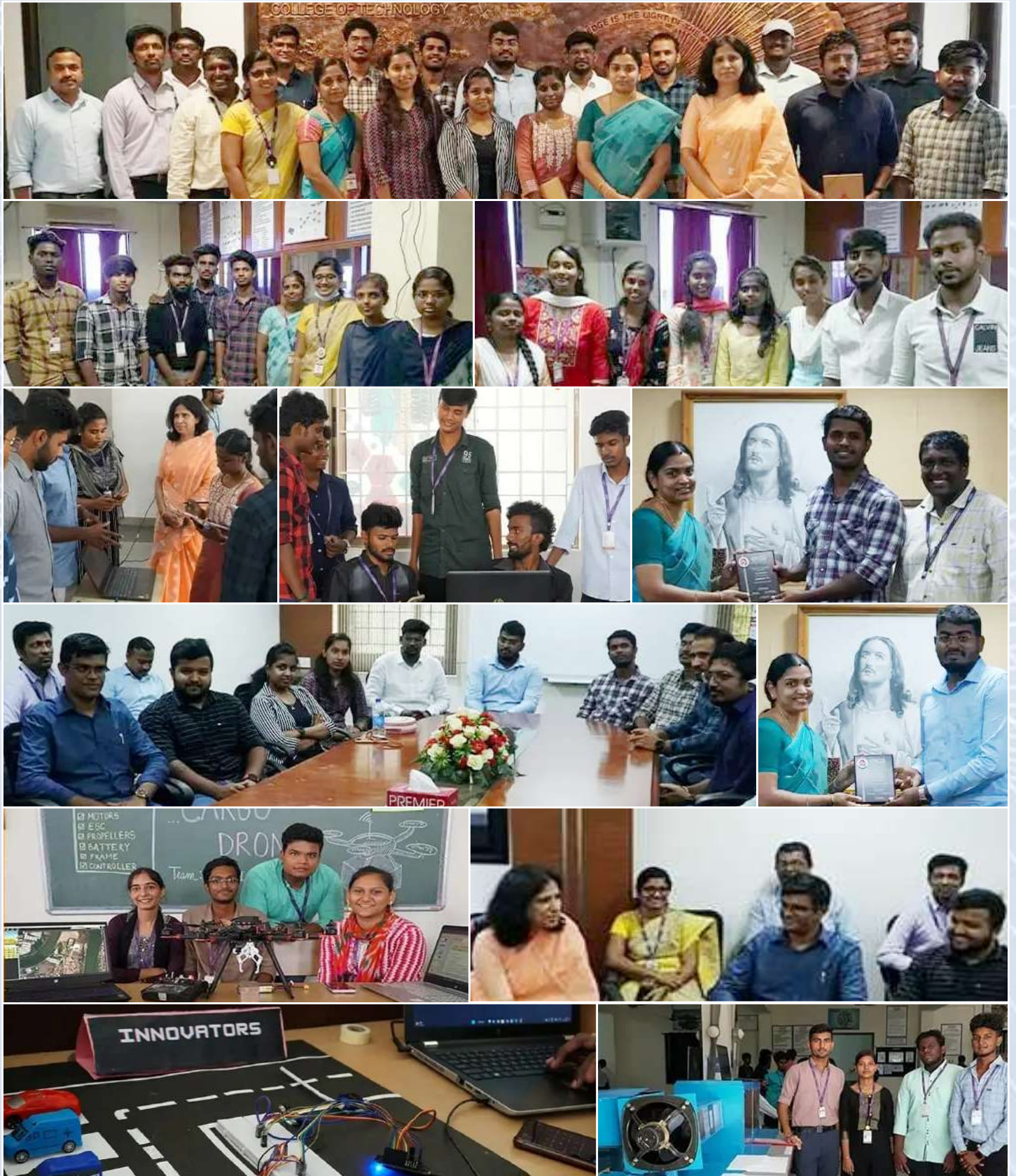
Mock Interview & Students Profiling Session

Mock Interview & Students Profiling Session for the students of School of Fashion Technology was conducted on 6th April 2023. Distinguished panel of industry experts from the various verticals in the fashion industry who connected with and mentored our students. In addition to developing strategies for aceing the interview process, students also learned more about the key criteria interviewers look for, ways to remain engaging and project confidence during the interview and how to present oneself in the best possible light.

25th Annual Sports Meet

25th Annual Sports Meet was held on 13th April 2023. The winning teams and individuals were felicitated with trophies and certificates for their outstanding performance in the various sports events.

Office of Student Affairs
INNOCON '23

INNOCON '23, a path-breaking initiative to promote innovative thinking amongst students and create a space for new ideas was conducted on 15th April 2023. Students presented cutting edge ideas and solutions to address real- world problems centered around the themes- Green Technology, Assistive Technology, Future Aviation, Smart Automation and Pervasive Computing. A distinguished panel of jury members from leading organizations reviewed the cutting- edge ideas presented by participants and lauded them for their brilliant solutions, providing them with immense encouragement to continue on the path of innovation.

IET Project Challenge 2023

The IET Project Challenge 2023 was held on 18th April 2023. An illustrious jury comprising eminent members from leading organizations evaluated the projects developed by the final year students addressing real world challenges and selected the winning entries.

25ᵗʰ College Day Celebrations

25ᵗʰ College Day Celebrations took place on 21ˢᵗ April 2023. **Mr. Sudeep Kunnumal**, Vice President, Global Head-HR BFSI, Tata Consultancy Services was the distinguished Chief Guest for the event. **Mr. Kunnumal** inspired students with his rousing speech addressing the vital role engineers play in the process of nation building. He also awarded students for their remarkable achievements during the academic year.

Farewell

Glimpse of Farwell Day Celebration conducted on 21st April 2023 for 2019-2023 Batch students

KCG Christian Fellowship

Annual Retreat - Arise '23 was held on 22nd April 2023. The retreat provided those present with an opportunity for spiritual renewal as they participated in the reflections and exercises and pledged to bring these reflections into the day and to let them become a growing part of their relationship with the Lord. Around 75 students and 35 alumni participated in the retreat. **Ms. Praiselin Stephen**, a renowned Gospel singer from Coimbatore, was the Special Guest for the retreat. The retreat was enhanced by special renditions from Fellowship students and alumni.

UGC initiates rules to promote Environmental Education as core subject

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University Grants Commission (UGC) has outlined a new curriculum framework for all HEIs to introduce Environmental Education as a main subject across all disciplines. The HEIs will have to include four-credit courses and projects in community engagement and services under Environmental Education at the UG level.

The initiative aims to boost the popularity of Environmental Education to sensitise the students and make this a core subject at the UG level. Till now, the subject was offered as an elective or optional subject. Including it in the main curriculum will help in achieving the targets for Sustainable Development Goals (SDGs). The HEIs have the flexibility to distribute the proposed number of credits per course over 6-8 semesters. The new curriculum framework consists of 9 units with a total of 30 hours of teaching. The total credits for the course allotted are 4, and the major topics covered in the framework include: Humans and the environment; Natural resources and sustainable development; Environmental issues: Local, regional and global; Conservation of biodiversity and ecosystems; Environmental pollution and health; Climate change: Impacts, adaptation, and mitigation; Environmental management; Environmental treaties and legislation; Case studies and fieldwork.

"The mandate of converting environmental education as an integral part of all the UG courses will reinforce students' interest in environmental protection. Many students opted for this as an elective subject, as it was

Till now, the subject was offered as an elective. Including it in the main curriculum will help in achieving the targets for SDGs.

considered to be a scoring paper. The subject knowledge will encourage students to safeguard our environment," says P Deivasundari, principal of KCG College of Technology, Chennai. Till now, the subject was offered in BTech as an elective, but now it will be included as the main subject. Universities have been directed to hire faculty with the knowledge to impart hands-on training. Taruna Gautam, vice-chancellor, IILM University, Greater Noida, says, "Practical knowledge is the game changer and teachers with strong knowledge of the environment will transform the subject implementation. Our university has an eco-green club, which organises workshops on kitchen garden composting, building herbal gardens, etc. The students' response is welcoming and they will be encouraged to adopt one SDG goal of their choice."

SOUTHERN CHARM

South India is emerging as a sought-after destination for higher education

Picture this: There are around 8,902 engineering institutions in India, out of which 1,192 are in Tamil Nadu, 358 in Kerala, 669 in AP, 508 in Telangana. These 4 States alone cover 30 percent of the engineering institutions in India whereas the remaining 70 percent are spread across all the other 32 states and Union Territories in India. This has created a very competitive environment amongst educational institutions in the southern states resulting in excellent infrastructure, teaching- learning process, placement records, research activities and honing the twenty rst century skills to students.

"South India also has high literacy rates due to government initiatives like free education, free books, free mid day meals in government schools, special allowance for girls completing their schools, scholarships for rst graduate in the family etc. Due to this even the poorest of the poor will send their kids to school in South India. The Christian missionaries even started their roots only from the southern parts of the country. As per reports, literacy rate of South India is much higher than the national average. The higher the literacy the more is the inclination to pursue higher education too," remarked P Deiva Sundari, Principal KCG College of Technology, Chennai.

She adds that the southern state of Tamil Nadu has a diverse manufacturing sector and is a national leader in number of sectors such as automobile, textile, aviation, IT and many more. "The growth rate of electronic industry is around 14 percent out of which 25 percent is expected to be in Tamil Nadu alone. Tamil Nadu contributes about one third of the total textile production in India," said Sundari. South India is also the hub of Information Technology (IT) business in India particularly Bangaluru, Coimbatore, Chennai, Thiruvananthapuram, and Hyderabad are amongst the main IT clusters in the southern part.

Harsh Deep Singh, a Third Year Aerospace Engineering student of KCG College of Technology, Chennai hails from Jammu and Kashmir. He is full of praise for the college and says that the college is excellent for academics and he is getting excellent exposure to di erent extra curricular activities too. He also says that he feels completely at home despite he being so far from his state as Tamil Nadu welcomes each and every student with warmth.

Similarly Pritish Kumar Singh, a Final Year CSE (Computer Science Engineering) Student from KCG College of Technology Chennai also feels that many higher education particularly engineering colleges in south score on the number of placements their students are able to get. He feels that the standard of colleges in the south are far better than the north.

Another factor why students prefer colleges for higher education in the south as the colleges in the region o er them multiple study options to choose, quality learning environment, quality processes and outcomes and better employment opportunities in the region.

The KCG College of Technology, Chennai

has various orientation programs like heritage walk, learn to live program specially conducted by the Student Counselor. In addition to that there are special Competent Communicators clubs which teaches those students who are weak in spoken English to speaking English uently through various fun activities. The college in order to build technical competencies among students, adopts skill development programme initiated by the Tamilnadu government, industry-linked curriculum through MoUs and CoEs and upskilling programmes through value added courses.

"Pre-placement opportunities are comparatively high as the students are oriented towards placement from rst year of their study through training on soft skills, quantitative aptitude and company speci c technical training. Guidance on procuring internships and earn while learn opportunities are also given by us." added Sundari.

Expressing similar views Fr. Thomas Amirtham, Principal, Loyola College in Chennai says that what really draws students to the southern states for higher education is the academic excellence, job opportunities, branding strategies of di erent institutions, English as the medium of studies, timely completion of the courses, friendly socio-cultural environment, transportation system and good infrastructure.

"Productive employment opportunities and high wages career paths are the main motivators attracting students to the southern region. Participation in skills development programme, career counseling and mentoring services are more accessible in this territory helps the students to address their career choices," said Amirtham.

He says that the southern region has students even from the north east as the northeast has the least privatized higher education sector and is almost entirely dependent on government-run or aided institutions. South India o ers the best privatized higher education for socially inclusive access to higher education. Even students from the most disadvantaged among communities, would have better access to higher education in south India whereas those in northeast India have the worst access to higher education. Southern India is relatively better placed in this regard. Besides this universities and colleges especially Loyola College o er non threatening atmosphere to students of all region with inclusivity, access and excellence." remarked Amirtham.

The Loyola college in Chennai has an exclusive career guidance and placement cell managed by an expert in the eld, periodical training by an industry experts, counselling centre managed by trained personnels. Academic and personal mentoring steer these students to nd their potentials and choose the career or higher education or research orientation. The campus also maintains multicultural atmosphere giving space to the nationally recognised celebrations Ugadi, Onam, Holi etc. Loyola College Cultural, Ovations accommodates a curtain raiser in the form of a dance and cultural display where the representative students from all states including north east and across India display their tradition and what is their own. In addition, even food festival by all sections of India is another practice followed and recognised to male students across globe to feel at home.

Engg counselling to start early due to Sept 15 deadline

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Chennai: Engineering counselling for next academic year is likely to start early as All India Council for Technical Education (AICTE) has set September 15 as deadline to admit students in technical courses. The two-month long engineering counselling may have to start in the month of July to meet the deadline.

Experts say the early start of the counselling may leave more seats in top colleges vacant this year and they suggest ways such as creating up to 10% additional seats as a buffer to avoid vacancies.

According to the 2023-24 academic calendar released by AICTE, the last date for granting affiliation is July 31. The last date for commen-

AICTE academic calendar for 2023-24

Representative image

> Last date for granting approval: **June 10**
> Last date for granting affiliation by university or board: **July 31**
> Last date for admitting first year students, commencement of classes and lateral entry admissions: **September 15**
> When engineering counselling is expected to start: **July**

cement of classes for first year students is September 15. It is also the last date for lateral entry admissions to second year courses.

"It is difficult to conduct MBBS counselling before the start of engineering counselling. Despite the reforms introduced by the TNEA, we are going to see more vacant seats this year in top engineering colleges as students will leave the seats if they get MBBS seats," career consultant Jayaprakash Gandhi said.

"Anna University can ask AICTE for additional intake of up to 10% to reduce vacant seats," he added.

To avoid vacant seats in top colleges, the Tamil Nadu Engineering Admissions (TNEA) committee has introduced a new rule in which it mandates students who are allotted seats in engineering colleges to pay the tuition fees within seven days of allotment. It considers the seats for which the students don't pay fees as vacant and fills them by allotting them to students in the same round.

However, it delayed the engineering admissions as the counselling was extended till November 13 last year.

Engineering college principals welcomed advancing the admission deadline for engineering colleges.

"Due to the delay in admissions last year, the first semester students are going to write the semester exams from April 5. They fall behind almost by a semester which is challenging for colleges," P Deiva Sundari, principal of KCG College of Technology.

R M Kishore, vice-chairman of RMK Engineering College, said the early admissions would ensure students to go to summer internship. "The top colleges witnessed less vacancies last year as fewer students quit the BE and BTech courses. We expect the same trend to continue this year as well."

Anna University officials said the university may start inspecting engineering colleges from the third week of April after scrutinising the applications. "AICTE revised admission schedule a few times last year. However, we will finish the affiliation process before the deadline," an official said.

KCG SPACE TECHNOLOGY CENTRE INAUGURATION

Chennai: KCG College of Technology instituted KCG Space Technology Centre with an objective to encourage the students to gain knowledge on advanced fields of satellite and space systems and use them for societal benefits.

Shri A S Kiran Kumar, Padma Shri Awardee and Former Chairman ISRO, inaugurated the centre and addressed the gathering. The Special Guest, Dr A Sivathanu Pillai, Founder of Brahmos and Padma Bhushan Awardee in his address stressed on the need to collaborate with industries, develop start-ups and togeth-er develop space technology for the benefit of people in lower strata of the society, especially the fishermen. Dr Anand Jacob Verghese, Chairman, Hindustan Group of Institutions, presided over the function. In his presidential address, Dr Anand explained the objectives of the centre and activities that are centred on the development of student community. Mr Nicolas Cazalis, Vice President – ENAC and Dr Lalit Gupta, Former JDG – DGCA felicitated the gathering.

Mr Nicolas Cazalis stressed on the need for educational institutions to enter into part-nership with international sat-ellite organisations, research institutions and universities and provide skilled workforce in space technology.

Dr Lalit Gupta emphasised on the need to focus more on sustainable operations. The college entered into MOU Exchange with ST Advanced Composites and Metzer LLC. The MOUs will facilitate in-novations in astronomy, space science and technology; to build micro and nano satellites for different missions and provide opportunities for space start-ups.

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கேசிஜி விண்வெளி தொழில்நுட்ப மையம் திறப்பு

சென்னை, 18, ஏப்: கேசிஜி தொழில் நுட்பக் கல்லூரியில் விண்வெளி மற்றும் செயற்கைகோளைப் பற்றி மாணவர்களின் அறிவாற்றலை வளர்க்கும் வழியாகவும் அந்த அறிவை ஆக்கபூர்வமாக வகை செய்யவும், கேசிஜி விண்வெளி தொழில்நுட்ப மையம் துவங்கப்பட்டது.

இந்திய வாண்வெளி மையத்தின் முன்னாள் தலைவரும், பத்மஸ்ரீ விருது பெற்றவருமான ஏ எஸ் கிரன் குமார் இந்த மையத்தை துவங்கி வைத்து உரையாற்றினார்.

சிறப்புபிரிதினராகஅழைக்கப்பட்டிருந்த பத்மபூஷன் விருதினை பெற்றுள்ள முனைவர். சிவதானுப்பிள்ளை பேசுகையில் தொழில்துறை நிறுவனங்களுடன் இணைந்து பணியாற்றி பல புதிய தொழில்களை தொடங்குவதிலும், மேலும் பிற்படுத்தப் பட்ட மக்களுக்கு குறிப்பாக மீனவர்களுக்கு உபயோகப் படும் வகையில் விண்வெளித்துறையை மேம்படுத்த வேண்டும் எனவும் கூறினார். கல்லூரியின் தலைவரான முனைவர். ஆனந்த் ஜேக்கப் வர்கீஸ் நிகழ்ச்சிக்கு தலைமை வகித்து பேசுகையில், துவங்கப்பட்ட மையத்தின் குறிக்கோள் மற்றும் மாணவர்களின் முன்னேற்றத்திற்கு திட்டமிடப்பட்டிருக்கும் செயல்பாடுகளைப் பற்றியும் விளக்கினார்.

ENAC இன் துணை தலைவர் நிகோலஸ் காசாலிஸ் மற்றும் DGCAவின் முன்னாள் JDG முனைவர் லலித் குப்தா அவைவை வாழ்த்திப் பேசினார்கள். நிகோலஸ் காசாலிஸ் பேசுகையில் கல்வி நிறுவனங்கள் சர்வதேச செயற்கைக் கோள் நிறுவனங்கள், ஆராய்ச்சி மையங்கள் மற்றும் பல்கலைகழகங்களுடன் இணைந்து பணியாற்றி, விண்வெளித் துறையில் திறைமையான பணியாளர்களை உருவாக்கவேண்டும் என்று கூறினார். முனைவர் லலித் குப்தா நிலையானசெயல்பாடுடன்பணியாற்றுவதின் தேவையை வலியுறுத்தினார்.

ST Advanced Composites மற்றும் Metzer LLC உடன், கேகிஜி கல்லூரி புரிந்துணர்வு ஒப்பந்தங்களை பரிமாறிகொண்டது. இந்த ஒப்பந்தத்தின்மூலம், வானியல், விண்வெளி ஆராய்ச்சி மற்றும் தொழில்நுட்பத்தில் புதுமைகளை கண்டறிந்து, சிறிய மற்றும் நுண்ணிய செயற்கைகோள்களை பல்வேறு செயல்பாடுகளுக்கு உரு வாக்கி, விண்வெளித்துறையில் புதிய நிறுவனங்களைத் துவங்கவும் வழி வகுக்கப்படும்.

KCG Space Tech Centre set up

Chennai: KCG College of Technology has instituted KCG Space Technology Centre with an objective to encourage students to gain knowledge on advanced fields of satellite and space systems and use them for societal benefits. A. S. Kiran Kumar, Padma Shri awardee and former chairman Isro, inaugurated the centre, high-lighting the remarkable progress India has made in space technology research. Special guest Dr A. Sivathanu Pillai, founder of Brahmos and Padma Bhushan awardee in his address stressed on the need to collaborate with industries, develop start-ups and together develop space technology for the benefit of people in lower strata of the society, especially the fishermen.

Dr Anand Jacob Verghese, chairman, Hindustan Group of Institutions, in his presidential address explained the objectives of the centre and activities that are centred on the development of student community.

The college entered into MoUs with ST Advanced Composites and Metzer LLC. The MoUs will facilitate innovations in astronomy, space science and technology; to build micro and nano satellites for different missions and provide opportunities for space start-ups, stated a press release.

AICTE relaxes teacher-student ratio

Council Directed Institutions To Keep 1:15 Ratio In 2021-22

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Chennai: The All India Council for Technical Education, which had in 2021-22 asked the deemed universities, autonomous colleges and accredited institutions to maintain a faculty-student ratio of 1:15 within two years, has now removed the condition from its approval process handbook for

Academicians say the relaxation would hurt the research output as fewer faculty members would be burdened with more academic work

2023-24. As per the previous guidelines, only affiliated engineering colleges could have a 1:20 ratio of faculty to students.

The institutions say the AICTE's portal for giving approval has been showing a requirement in a 1:20 ratio for even autonomous colleges and deemed universities.

A department with an allowed intake of 60 students for a UG programme can have a minimum of 12 faculty members if the ratio is 1:15. The same department can be run with only nine faculty members if the ratio is 1:20. Academicians say the relaxation would hurt the research output as fewer faculty members would be burdened with more academic work. "Autonomous colleges need more faculty to do research. There is no reason to relax the faculty-student norm. In my

opinion, it is a wrong move. It defeats the purpose of bringing in a 1:15 ratio," said E Balagurusamy, former vice-chancellor of Anna University.

In its approval handbook for 2023-24, the AICTE also relaxed overall 50% enrolment norm to start new programmes and relaxed faculty requirement for colleges with poor enrolment.

Engineering colleges pointed out that 1:15 ratio was only an advisory. "The relaxation will make sense to younger institutions as there will be too much pressure on them to increase their faculty members which is not going to help quality," said Abhay Meganathan, vice-chairman, Rajalakshmi

Group of Institutions.

P Deiva Sundari, principal of KCG College of Technology, said that while 1:15 faculty-student ratio is good for academic and research, it would increase the financial burden of the colleges. "With quality faculty members, we can run a programme efficiently even with 1:20 faculty, student ratio," she said. S Vaidyasubramaniam, vice-chancellor of Thanjavur-based Sastra deemed university, said that in the context of academic bank of credits and 40% of courses being allowed to be conducted online, the faculty-student ratio can be 1:20 for all institutions. "Focus needs to be shifted from faculty to online courses," he said.

Engg counselling to start early due to Sept 15 deadline

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Chennai: Engineering counselling for next academic year is likely to start early as All India Council for Technical Education (AICTE) has set September 15 as deadline to admit students in technical courses. The two-month long engineering counselling may have to start in the month of July to meet the deadline.

Experts say the early start of the counselling may leave more seats in top colleges vacant this year and they suggest ways such as creating up to 10% additional seats as a buffer to avoid vacancies.

According to the 2023-24 academic calendar released by AICTE, the last date for granting affiliation is July 31. The last date for commen-

AICTE academic calendar for 2023-24

Representative image

➤ Last date for granting approval: **June 10**
➤ Last date for granting affiliation by university or board: **July 31**
➤ Last date for admitting first year students, commencement of classes and lateral entry admissions: **September 15**
➤ When engineering counselling is expected to start: **July**

cement of classes for first year students is September 15. It is also the last date for lateral entry admissions to second year courses.

"It is difficult to conduct MBBS counselling before the start of engineering counselling. Despite the reforms introduced by the TNEA, we are going to see more vacant

seats this year in top engineering colleges as students will leave the seats if they get MBBS seats," career consultant Jayaprakash Gandhi said.

"Anna University can ask AICTE for additional intake of up to 10% to reduce vacant seats," he added.

To avoid vacant seats in

top colleges, the Tamil Nadu Engineering Admissions (TNEA) committee has introduced a new rule in which it mandates students who are allotted seats in engineering colleges to pay the tuition fees within seven days of allotment. It considers the seats for which the students don't pay fees as vacant and fills them by allotting them to students in the same round.

However, it delayed the engineering admissions as the counselling was extended till November 13 last year.

Engineering college principals welcomed advancing the admission deadline for engineering colleges.

"Due to the delay in admissions last year, the first semester students are going to write the semester exams from April 5. They fall be-

hind almost by a semester which is challenging for colleges," P Deiva Sundari, principal of KCG College of Technology.

R M Kishore, vice-chairman of RMK Engineering College, said the early admissions would ensure students to go to summer internship. "The top colleges witnessed less vacancies last year as fewer students quit the BE and BTech courses. We expect the same trend to continue this year as well."

Anna University officials said the university may start inspecting engineering colleges from the third week of April after scrutinising the applications. "AICTE revised admission schedule a few times last year. However, we will finish the affiliation process before the deadline," an official said.

Research Summary April 2023

Publication in SCI Indexed Journals

Authors	Journal Name	Article Title	Impact Factor	ISSN	Indexing
Dr. T. Mothilal, Professor, Dept. of Automobile Engineering	Advances in Materials Science and Engineering, Hindawi	Evaluation of Mechanical Behaviour of Multiwalled Nanotubes Reinforcement Particles in Jute-Glass Fibres Hybrid Composites	2.031	1687-8434	SCI, Anna University Annexure 1, Scopus , Q2 Journal
Dr. T. Mothilal, Professor, Dept. of Automobile Engineering	Advances in Materials Science and Engineering, Hindawi	Mechanical Characterization of Friction-Stir-Welded Aluminum AA7010 Alloy with TiC Nanofiber	2.031	1687-8434	SCI, Anna University Annexure 1, Scopus , Q2 Journal

KCG Faculty - Guideship Approvals

Name of Faculty	Domain	Date of Approval Letter	University
Dr Dillibabu, Associate Professor, Dept. of Mechanical Engineering	Energy, Gasification, Thermal, Biomass	12.04.2023	Anna University under the Faculty of Mechanical Engineering
Dr SureshKumar A, Assistant Prof., Dept. of Aeronautical Engineering	High Speed Jet Flows,Computational fluid Dynamics,Propulsion,Experi mental Aerodynamics	12.04.2023	Anna University under the Faculty of Mechanical Engineering

KCG Faculty - Doctorate Completed Details

Ph.D. Scholar & Supervisor	Thesis Title	Date of Viva- Voce	University
Dr. Babymol Kurian, Dept. of Information Technology	Computational Analysis of Next Generation Sequences for Breast cancer prognosis Using Machine learning Technologies	10.04.2023 at 10.00 AM , Online Mode	Department of Computer science and Engineering, Sathyabama University

CAMPUS FACILITIES

DST Supported FIST Lab
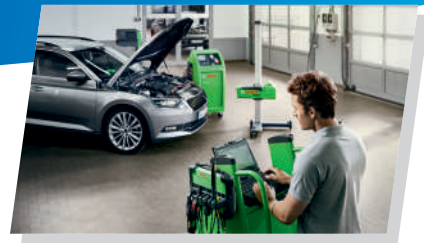

Car Simulator

Gymnasium

Aero Hangar

Link Flight Simulator

Bosch Certified Training Centre

NCC

Horse Riding

Inferno Racing

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