KCG
COLLEGE OF TECHNOLOGY
A unit of Hindustan Group of Institutions

CAMPUS DIARY!

EDITORS' NOTE

Dear Reader

It is necessary to keep pace with the changing trends in STEM and therefore we conduct Faculty Development Programmes enabling our faculty to be abreast of the recent trends and upskill themselves. The knowledge gained and skills acquired help our teachers to teach content beyond syllabus and mentor our students on the projects they carry out at the national and international levels.

The current issue presents the FDPs we organised during July and the mark our students made at the international level. It also presents some of our initiatives towards providing holistic education, including sports and leadership training, enabling us to obtain various awards and accolades.

Wish you all a fruitful reading.

EDITORS:

Dr. R. Jaya, Associate Professor, Department of English

Ms. Tephilla Joice P, Assistant Professor, Department of Mathematics

Ranked amongst the top colleges in Tamil Nadu in the **Outlook ICARE Rankings 2022**. It has also been declared the #1 institution amongst the Anna University Affiliated Non Autonomous Colleges by the publication. These rankings reinforce our legacy as a world-class institution offering diversified engineering courses combined with top-notch industry interface and impeccable placement record to provide our students with the impetus to excel in their chosen careers.

INDIA TODAY

MDRA Best Colleges Ranking 2022 - Engineering

AGNIPATH SCHEME: BAPTISM BY FIRE

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JULY 4, 2022   ₹75

INDIA TODAY

SPECIAL ISSUE

THE BEST COLLEGES OF INDIA

THE DEFINITIVE INDIA TODAY-MDRA SURVEY OF EXCELLENCE SPANNING 14 MAJOR DISCIPLINES

KCG
COLLEGE OF TECHNOLOGY
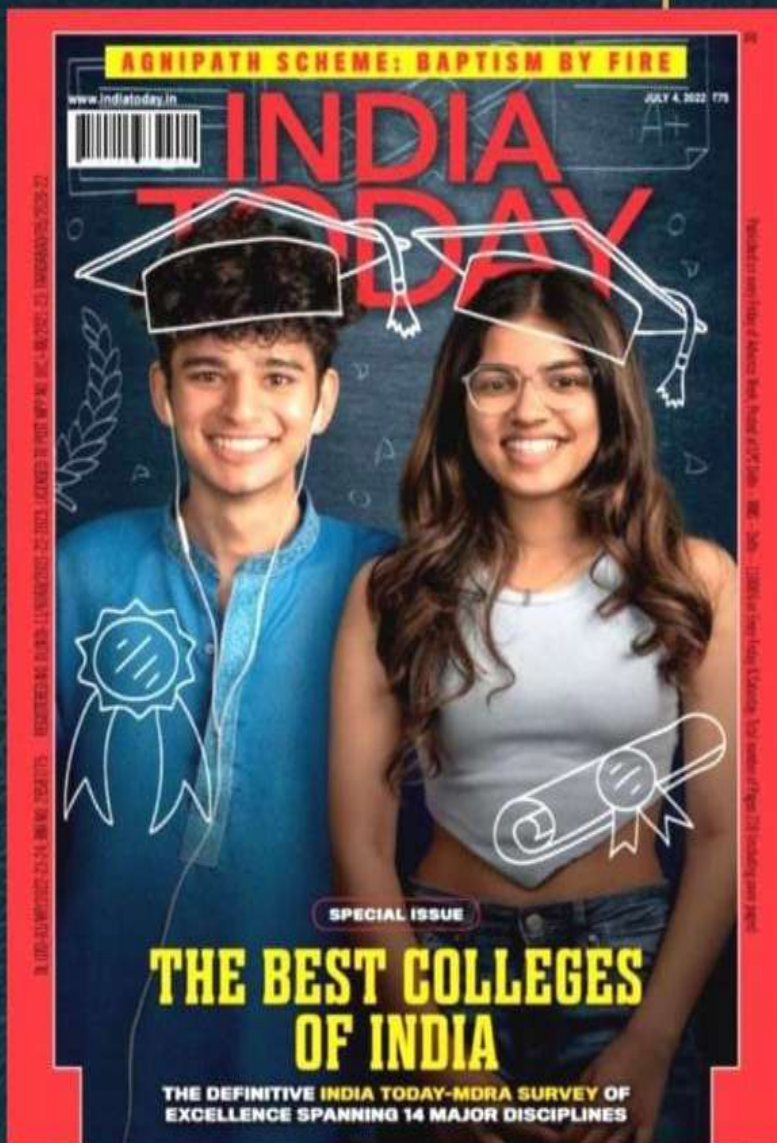A Unit of Hindustan Group of Institutions

Ranked

1 amongst the Anna university Affiliated Non Autonomous Colleges

17 amongst Top Private Engineering Colleges in Tamilnadu

Ranked as the #1 Anna University Affiliated Non- Autonomous College in the **India Today- MDRA Survey of Excellence.** This definitive survey of the best institutes has also ranked KCG Tech amongst the **Top Private Engineering Colleges in Tamil Nadu.** These rankings are a reflection of our success as an institution in creating a campus environment that encourages innovation, recognizes brilliance and promotes leadership.

Fitness – Health for Youth

On 27th July, 2022, **Thiru. Ma Subramanian,** Honourable Minister for Health and Family Welfare, Govt of Tamilnadu conducted an awareness programme on Fitness- Health for Youth organised by the college in association with **Y's Service Club of Chennai Karapakkam and Y's Men's Club of KCG College Youth.**

In his address, the honourable minister stressed upon the importance of practicing fitness in one's life. He called upon the youth, the leaders of tomorrow, to involve themselves in physical activities and make it habitual. **"It is not necessary to play a sport or game to remain fit, simple activity like walking or jogging is more than sufficient to remain healthy provided it is done on regular basis"** said the minister. He also encouraged the students to participate in the proposed marathon scheduled during August, discover their potential and enjoy the fun of running. The minister congratulated the college management for their efforts in promoting sports and games on the campus, in addition to imparting engineering education.

Fitness – Health for Youth

During the programme, in the presence of the honourable minister, **Dr Annie Jacob,** Director, KCG College of Technology handed over the poster card and declared open the Boys Toilet Block constructed by KCG College of Technology in association with Y's Men International in the premises of Government High School, Karapakkam.
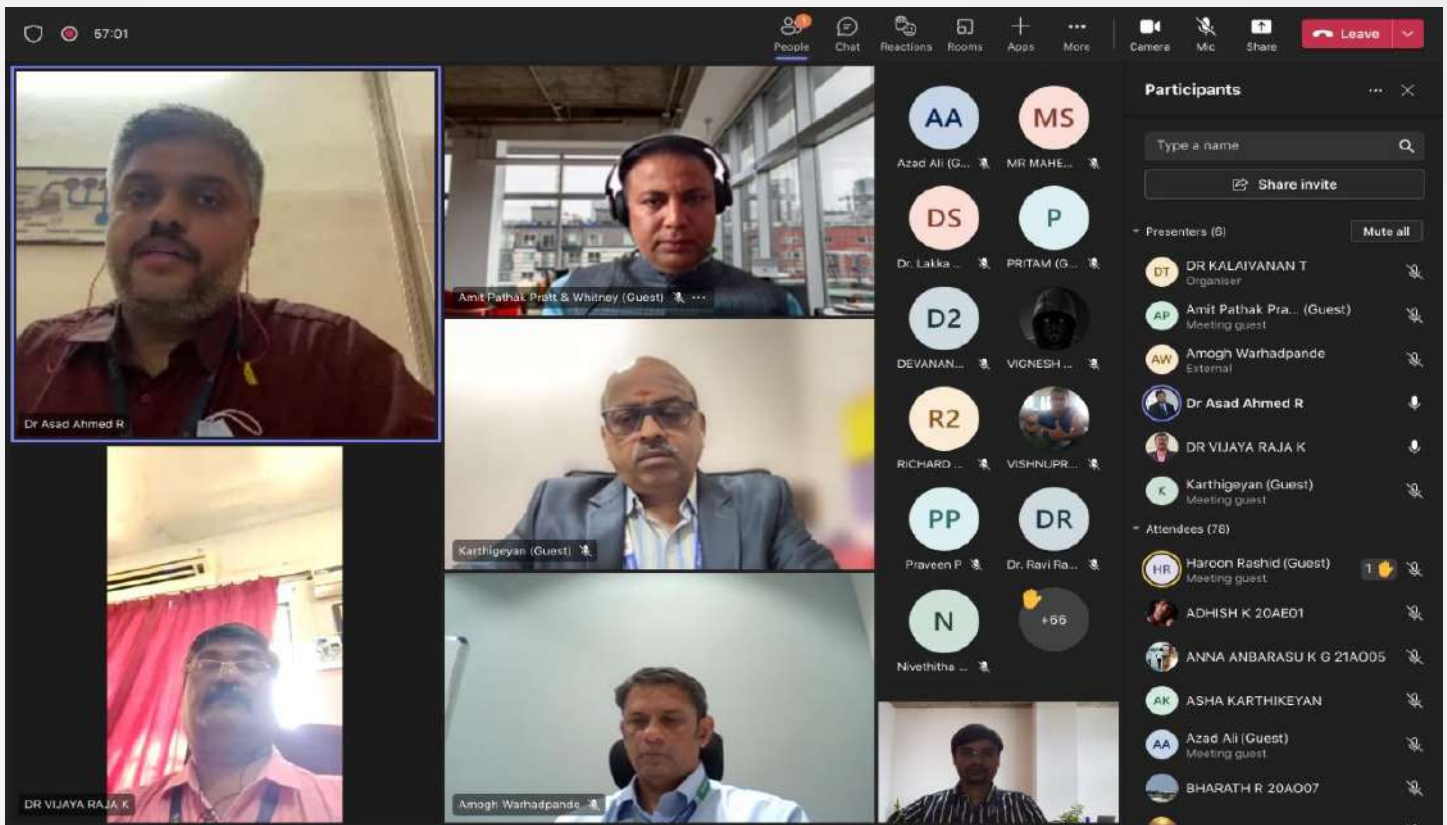
FDP on Modeling& Control of EVs Using Simulink & Simscape

The college in association with Mathworks organized a three-day Faculty Development Programme on Modeling & Control of EVs Using Simulink & Simscape from 26th to 28th July 2022.

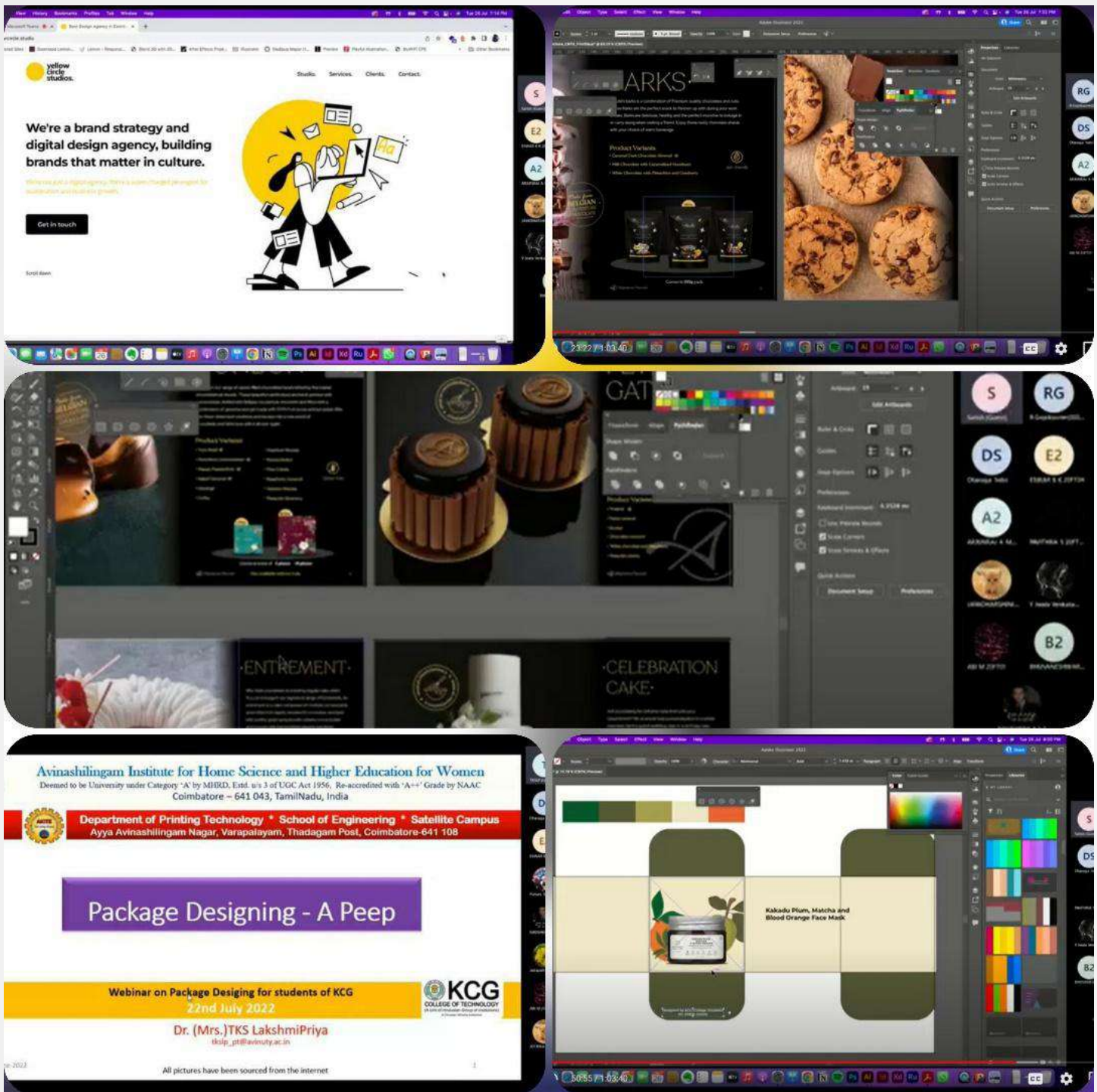# Panel Discussion on Future of MRO in India & Its Career Opportunities

A virtual Panel Discussion on Future of MRO in India & its Career Opportunities was organised on 27th July 2022 commemorating the death anniversary of Bharat Ratna **Dr. APJ Abdul Kalam.** The Panel Discussion was moderated by **Dr. R Asad Ahmed**, Asso. Professor, Department of Aeronautical Engineering, KCG College of Technology and the panelists were **Mr. Amit Pathak**, General Manager & Site Leader, UTC Aerospace (Pratt & Whitney), **Mr. Amogh Warhadpande,** Director Training, Airworks India Pvt. Ltd, **Mr. Karthigeyan Ramaswamy,** Head - Business Development & Strategy, GMR Aero Technic.

Aspiring Career in Mechatronics Industries

Department of Mechatronics Engineering organised a talk show on Aspiring Career in Mechatronics Industries on 23rd July 2022. **Mr. S R Arun,** Senior Software Test Specialist, Siemens Technology Service Pvt. Ltd., Bengaluru, **Mr. J Mythil,** Junior Engineer, Projects, Griffyn Robotech Pvt. Ltd., Pune, **Mr. Velmurugan Aravind S**, Senior Engineer Verification and Validation ICP, Medical, L&T Technology Services, KIADB Industrial Area, Mysuru, and **Mr. R V Karthikeyan,** Industrialization Engineer, Alstom Transport India Limited, Coimbatore were the resource persons.

School of Fashion Technology organised a week long workshop on Judge the book by its cover: Product Packaging -The Aaa to Zee from 22nd to 29th July 2022. **Dr. T K S Lakshmi Priya,** Professor and Head, Printing Technology, Faculty of Engineering, Avinashilingam University, Coimbatore and **Mr. S Sathish Kumar**, Founder, Yellow Circle Studios were the resource persons.

Sanmar Employees Training

Department of Mechanical Engineering organised a 4 week training
for Sanmar Employees from 25th July 2022 to 20th August 2022.

Topper's Talk – Series 13

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

Officer's Training Program

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

Member of the Board of Studies

Following Heads of the Departments are appointed as the members of the Board of the studies of the constituent colleges and non-autonomous colleges affliated to Anna University:

Dr. K. Vijayaraja
Professor and Head,
Department of Aeronautical
and Aerospace Engineering

Dr. Kavitha Balamurugan,
Professor and Head
Department of Electronics &
Communication Engineering

Dr. V. Bhanu Rekha
Associate Professor and HOD Incharge
School of Fashion Technology

Congratulations

to

BATCH: 2024, INTERNSHIP PLACEMENT

Nithisri

Suriyalakshmi

Srinithi Sasi

Jothi Mangai

Joshuva Bernard

Ajay Prasad

Leelaprasath

Dharshan Ram

for Getting Placed at Exeterpremedia Services Pvt. Ltd.

exeter

Eight students from the Batch of 2024 have secured internship at Exeter Premedia Services Pvt. Ltd.

KEYSIGHT
INNOVATION
CHALLENGE 2022

TAKING THE WORLD BY STORM

Team KCG Tech is the only **INDIAN TEAM** to make it to the **Top 6** in the **Keysight Innovation Challenge** for their entry **Carbon Neutrality**.

Team Members:
- Muskan (AI & DS, 1st year)
- Nafisa, Ashwini & Giri (Aerospace, 1st year)
- Shaikh (EEE, 1st year)
- Belgin (IT, 2nd year)

The six - member team, students from first year, has secured a place among the elite Top 6 finalists in the Keysight Innovation Challenge for its innovative entry, Carbon Neutrality. Team KCG Tech holds the distinction of being the only team from India in the finalists panel and has been awarded a grant of USD 2500 to develop their prototype.

Department of Aeronautical and Aerospace Engineering

Batch 2018-2022

Congratulations!

Mr. Balasubramanian S.   Ms. Vandana MS

For the successful completion of consultancy project on **'Design and Development of E-VTOL Drone'** and for getting internship offer from **Aviac Technologies Pvt. Ltd.**

Aviac

The consultancy project **'Design and development of E-VTOL Drone'** was successfully completed by the student team. The team secured an internship from the client company with a stipend of 25,000 per month for 6 months.

AICTE introduced industry-led course modules set to produce skilled engineers

The initiative aims to embed the existing BTech curriculum with industry-focused skills and provide training

c-Nafisa.Khatoon
@timesgroup.com

To produce industry-ready and employable BTech students, the All India Council for Technical Education (AICTE) has directed all engineering colleges to develop fresh industry-based course modules. Under this, students will be provided training in upgraded technical skills based on the requirement of the future market. Credit points will be awarded to students on completing these course modules.

Markets need new talent

Ramesh Unnikrishnan, Advisor, Policy & Academic Planning Bureau of AICTE says, "All AICTE approved institutes have been informed to design relevant industry-oriented course modules in consultation with leading industries or national level industry associations. Technical universities need to collaborate with industries to impart relevant training in technical, digital and vocational skills to students."

The rapidly changing technical education system in our country has brought employability hurdles for engineering graduates, says Unnikrishnan. "Providing training in upgraded skills in a wide variety of trades, suited to the needs of Industry 4.0 is essential. The step taken by AICTE will help reduce the skill-talent gap."

"The idea to insert a course module within the existing curriculum has to be done after taking insight from market trends. This will prepare students for better job opportunities and the whole essence of basic engineering sciences should remain intact to deliver the best of both conventional and novel courses," says Abhay Bansal, director, International Collaboration for Engineering and Technology, Amity University.

Benefits and challenges

Aligned with AICTE's directive, K

Credit points will be awarded to students on completing these course modules

C G College of Technology, Chennai, has signed MoUs with full-stack labs — web development and software consultancy companies. They have jointly designed an industry-led curriculum to teach the students for three semesters. P Deiva Sundari, principal, K C G College of Technology, says, "MNC Capgemini Engineering will impart training to students in skills, coding required for technical publications and VLSI designing. The MoU mandates the delivery mechanism of the course module by these technology giants, as they also train our faculty staff in emerging technologies for 30 days."

Accommodating new course modules in the current curriculum comes with its share of challenges. Bansal says, "A set of guidelines or a framework method of balancing and compensating for the fundamental and conventional engineering courses along with newly added modules might be a difficult task."

He further adds that certain branches of engineering like Computer Science, Electronics

and Communication as well as Mechanical Automation are most suitable for infusing new courses. Bansal says, "These branches have been revolutionised with the advent of IT in the past decade, due to the proliferation of technologies like 5G, AI, cloud computing, IoT applications and automation. So, the demand for software engineers and computer engineers with updated skillset have risen to monumental proportions."

Learning applications of new technologies

Sundari highlights that AICTE's attempt at upgrading the curriculum will help students in learning applications of emerging technologies in core engineering disciplines. For instance, machine learning, AI are finding a place in Aeronautical or Automobile Engineering. She says, "This will help mechanical engineers take up several technology-based jobs. Apart from this, internship opportunities have also increased in terms of quality. Our second-year BTech students, against the norm of the final year, can now join virtual internships. As many as eight BTech students are interning with IIT Madras on its technology-related projects for 10 hours a week, and earning a decent stipend as well."

TNEA counselling gets all-time high applications of over 2.1L
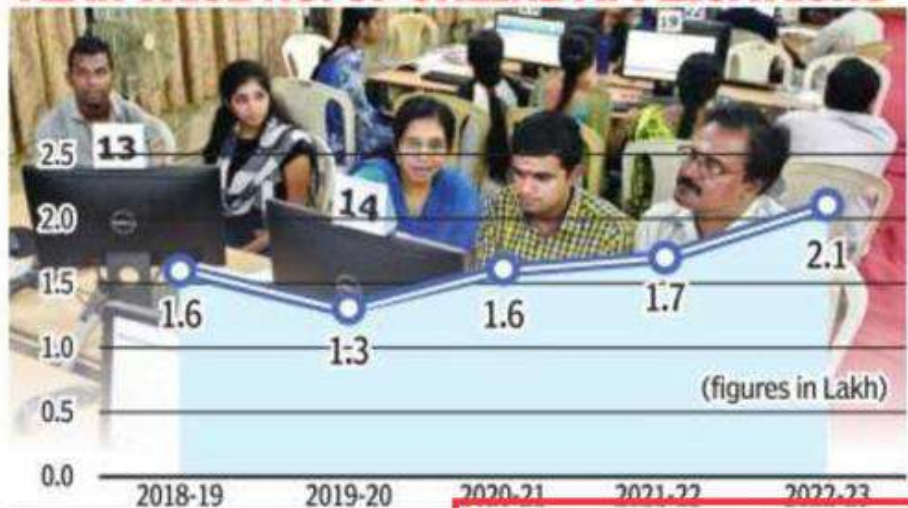
TIMES NEWS NETWORK

Chennai: A renewed interest in engineering courses has pushed the number of online applications to engineering admissions counselling to an all-time high of 2,11,905 this year which is 36,945 or 21% more compared to last year.

They will be competing for around 1.4lakh seats under government quota in the counselling. Tier-1, tier-2 colleges have already filled their management quota seats in computer-related courses. After the release of CBSE Class XII results on July 22, around 20,000 candidates have applied in just five days.

Career consultants said due to the demand of capitation fee by engineering colleges students have preferred admissions through engineering counselling. "Those who have joined BA, BSc last year and the NEET repeaters have also applied to counselling due to more campus placements for engineering students," career consultant Jayaprakash Gandhi said.

"Due to more demand for computer science courses, tier-1 and tier-2 colleges are charging capitation which is

YEAR-WISE NO. OF ONLINE APPLICATIONS

2018-19: 1.6
2019-20: 1.3
2020-21: 1.6
2021-22: 1.7
2022-23: 2.1

(figures in Lakh)

also a reason for the increase in applications," he added.

B Chidambararajan, director of SRM Valliammai Engineering College, said, "This year, management quota admissions are nearing completion for computer science engineering, IT, AI and data science, cyber security, electronics and communication engineering due to good demand." Some colleges said students are even enrolling in core branches such as mechanical engineering under management quota this year.

"The demand for computer-related courses is the same as last year. The new trend is there are more takers for core branches compared to last

year," said P Deiva Sundari, principal of KCG College of Technology.

Due to the delay in releasing the CBSE Class XII results, TN extended the last date for filing applications from July 19 to July 27. The schedule for assigning random numbers, certificate verification and release of rank list is likely to be revised. The government announced that there will not be any change in the start of online counselling which is scheduled to begin from August 22.

Meanwhile, more than three lakh students have completed their applications for one lakh seats in government arts and science colleges.

CAMPUS FACILITIES

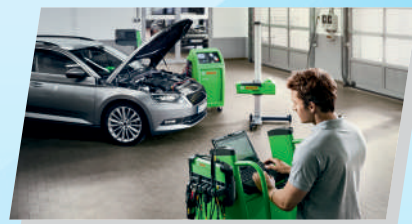

DST Supported FIST Lab

Intel IoT Lab

Gymnasium

Aero Hangar

Link Flight Simulator

Bosch Certified Training Centre

NCC

Horse Riding

Clubs

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