



KUMARAGURU
COLLEGE OF TECHNOLOGY
Character is life

**CIVIL
ENGINEERING
ASSOCIATION**



BUILDERS EXPRESS

JULY AND AUGUST 2024



BUILDERS EXPRESS

CIVIL ENGINEERING DEPARTMENT

About KCT

Kumaraguru College of Technology is an autonomous, self-financing engineering college, affiliated to Anna University. It was started in 1984, with the mission of providing aspiring students of technical education, a challenging learning environment. Over the last three decades, several new programs have been introduced and the institution has emerged as a trusted destination for quality technical education and as a hub for research and innovation. The college is ISO certified and is accredited by NAAC. Several programs offered by KCT are accredited by NBA. In addition to a host of engineering and allied engineering courses, KCT has also gained recognition for its uniquely tailored management education programs.



KCT prides itself as an institution that is quick to adapt its learning delivery platform to rapidly evolving learning environments. This has resulted in creating a vibrant ambience on campus that engages students in a variety of ways. The cultural ethos of the institution is rooted in its philosophy: **character is life**. The department started



functioning from the very Inception of the college in the year

1984. The department is having experienced and well qualified staff and also has well equipped lab facilities. In addition to B.E degree course, three postgraduate courses are being offered. The Department is also actively engaged in R&D, testing and consultancy activities. A well-qualified and dedicated team of staff members provides the necessary strength to the department. The centre is equipped with most modern equipment catering to the requirement of research in water management. Centre for Water and Environmental Studies (CWES) was established in the Department as an extension of this activity. Structural



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Technology Centre (STC) is an advanced laboratory established in the department in the year 2003 to carry out R&D and Consultancy works in structural design and testing.



Days To Remember

1st July- National Doctors Day

This Day is dedicated to all the medical practitioners, health workers, and medical students who have contributed substantially to our nation's health. It gives us a chance to thank those who have played a vital role in taking good care our self and our family members well-being .



11th July- World Population Day World

Population Day is a day for people to raise awareness about population issues and problems worldwide. This Day is always celebrated on July 11 as it was declared by the governing council of the United Nations Development Programme in 1989.

20 July - International Chess Day

International Chess Day is celebrated on July 20th each year. .The date was chosen to commemorate the founding of the International Chess Federation (FIDE) on July 20, 1924.



DID YOU KNOW?

Brahmaputra Guide Bund completed in a record time of 7 months.



22 July- National Flag Day

National Flag Day, celebrated on July 22, is a day dedicated to honoring and commemorating the significance of a nation's flag. This day serves as a reminder of the national identity, pride, and unity that a flag symbolizes. Across various countries, individuals and communities come together to pay tribute to their flag through ceremonies, parades, and educational activities.



10th August – World Lion Day

August 10 is the day we celebrate the king of the jungle in the form of World Lion Day. The day aims to spread awareness of lions and the urgent need to strive toward their conservation. Lions are silently in danger of going extinct worldwide.

07th August -National Handloom Day

Handloom Day, celebrated on August 7th, honors India's rich textile heritage and the artisans who create handwoven fabrics. It promotes sustainable fashion, supports traditional weavers, and encourages the preservation of craftsmanship passed down through generations, highlighting the cultural significance of handloom in India's history and economy.



DID YOU KNOW?

Nora Stanton Blatch : She was the first female Civil Engineering Cornell graduate awarded by the University.



12th August – International Youth Day

International Youth Day is celebrated to recognise the efforts of the world's youth in enhancing global society and to draw attention regarding cultural and legal surrounding youngsters. No doubt the day focuses on the efforts of the youth in the development of the country.



15th August: Independence Day of India

Independence Day of India is celebrated on August 15th each year. This national holiday marks the anniversary of India's independence from British rule in 1947. On this day, India gained sovereignty after nearly two centuries of colonial rule. The celebration typically involves flag-hoisting ceremonies, patriotic speeches, and cultural events across the country.

29th August: National Sports Day.

National Sports Day in India is celebrated on August 29th each year. This day honors the birthday of Major Dhyan Chand, one of India's greatest hockey players and a national hero known for his extraordinary achievements in the sport. The day is dedicated to promoting sports and physical fitness across the country.



DID YOU KNOW?

Norwich University – This institution was the first college to offer civil engineering in the United States.



Programs Attended:

Faculty Development Programme:

Organiser: Mr. A. Aswin bharath

Date: 06.08.2024

From August 06 to 10, 2024 Faculty Development Program (FDP) focused on Data Analysis, I found the training to be incredibly valuable and enriching. The program provided an in-depth understanding of both qualitative and quantitative analysis, which is essential for comprehensive research and data-driven decision-making.

Qualitative Analysis Using R: One of the highlights was learning about modern text processing techniques with R. The hands-on sessions on sentiment analysis and the semantic analysis were particularly enlightening. R's capabilities in processing large volumes of text data and extracting meaningful insights allowed us to grasp how to uncover patterns and sentiments effectively. This knowledge will greatly enhance my ability to analyze qualitative data in my research and teaching.

Quantitative Analysis with Power BI: The training on Power BI opened my eyes to the power of data visualization and business intelligence. The ability to create interactive dashboards and detailed reports will undoubtedly improve my approach to presenting quantitative data. The practical exercises in Power BI helped me understand how to transform raw data into actionable insights, which will be beneficial for both academic and administrative tasks.

Structural Equation Modeling (SEM) Using Smart PLS: Learning about Structural Equation Modeling with Smart PLS was another key component of the FDP. The software's capabilities for handling complex models and large datasets were demonstrated through practical examples, which deepened my understanding of how to model and analyze relationships among variables. This knowledge is crucial for conducting advanced quantitative research and improving the rigor of my analytical work.

DID YOU KNOW?

The real reason for construction of cellar is not for parking but for reducing the design load, which reduces cost of building



Overall, the FDP was a well-rounded experience that provided me with practical skills and theoretical knowledge in data analysis. The integration of R, Power BI, and Smart PLS into the curriculum has equipped me with a comprehensive toolkit for tackling diverse research challenges. I am confident that the skills and insights gained from this program will significantly enhance my ability to conduct and teach data analysis, ultimately benefiting my academic and professional pursuits.

DID YOU KNOW?

Alimineti Madhva Reddy Irrigation project is the longest underground face to face tunnel in the world.



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TECHNOLOGY**



**July &
August 2024**

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