



**KUMARAGURU**  
college of technology  
character is life

**CIVIL  
ENGINEERING  
ASSOCIATION**



# BUILDERS EXPRESS

**JULY AND AUGUST  
2023**



# 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 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.



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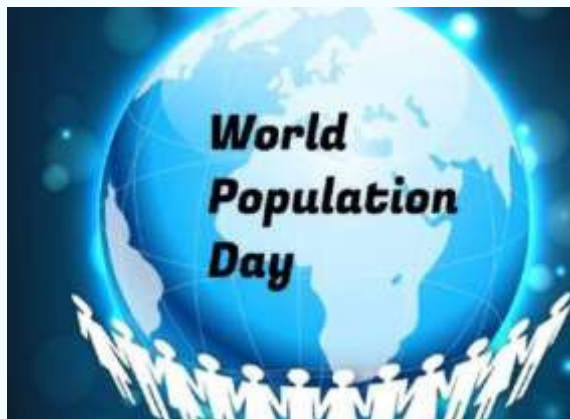


## Days To Remember

st

### 1 July-NationalDoctorsDay

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.

### 15th July- World Youth Skills Day

The Day seeks to encourage Member States to address challenges and seize opportunities related to youth skills development, which can be achieved through greater cooperation among governments, employers' and workers' organizations, and relevant stakeholders.



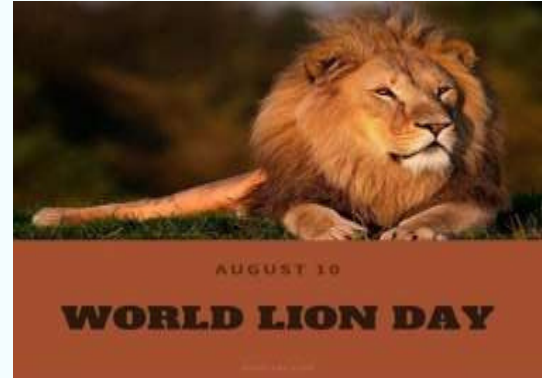
D I D Y O U K N O W ?

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



### 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.



### 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.

### 13th August – World Organ Donation Day

August 13 is globally observed as the World Organ Donation Day every year. Donating organs is considered a noble cause as it amounts to leasing a person a new life. The earliest successful organ donation had been made possible in the year 1954.



D I D Y O U K N O W ?

**Norwich University–This institutio was the first college to offer civil engineering in theUnitedStates.**



## **Programs organized:**

**Advances trends in survey :**

**Organiser:Mr.J. Viswanath,  
Mr.Prasanth**

**Date:06.07.2023**

The survey training was ideated to help students to learn Instrument used in field Application.

Surveying measurements are used in the planning and design of all Civil Engineering projects such as railways, highways, tunnelling, irrigation, dams, reservoirs, waterworks, sewerage works, airfields, ports, massive buildings, and so on. Without surveying, it is impossible to fix the size of a piece of land and its boundaries. Students were enjoyed and they were happy with the session.

D I D Y O U K N O W ?

**Industrial tour to Kavour  
Sewage treatment plant  
and KRS Dam:**

**Organiser: Ms.S.Rajalakshmi  
& Mr.K.Krishnan**

**Date: 31.08.2023 to  
02.09.2023**

The students were taken to the Industrial Tour to the Kavour Sewage treatment plant and KRS Dam to provide an exposure on the sewage treatment process and the hydraulic structures. It helps to know the students about the treatment of wastewater through a series of physical, biological, and chemical processes to remove pollutants and contaminants and also about the functions and design of the hydraulic structures.

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



## **GUEST LECTURE:**

**Sustainable concrete practices:  
Building a Greener Future.**

**Organiser: Dr.V.Gayathri**

**Speaker: Mr.M.Balasubramaniam,  
Assistant General Manager, Sales &  
Marketing, JSW Cement**

**Date:17.08.2023**

The guest lecture was conducted on 17th of August 2023 by Mr.M.Balasubramaniam helped the students to acquire knowledge on sustainable concrete practices. Sustainable concrete construction should have a minimal total environmental impact, and be durable. He briefly explained about the green future of Civil Engineering. He shared his thoughts and experienced on concrete practices. This session was ended with question and answer to clarify doubts with the speaker.

**Research and entrepreneurship  
awareness in Agriculture:**

**Organiser: Mr. Krishnan K**

**Speaker: CA. Abhishek Sharma,  
Manager Finance, NIAM Agri-  
Business Incubator (NABI),  
CCS NIAM**

**Date:23.08.2023**

The guest lecture was conducted on 23rd of August 2023 by CA.Abhishek Sharma explained the students about the Research and entrepreneurship awareness in Agriculture. He clearly explained about the benefits, new concept, future challenges about the research and entrepreneurship awareness in Agriculture. At the end of session, question and answer part was made to clarify doubts with speaker.

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



## Programs attended:

### Programs:

Dr. N. Ramsundram, was participated on faculty development programme on "Linear and Non-Linear Finite Element analysis with Programming" organised by BITS, Hyderabad on 23.08.2023.

G. Karthikeyan, was participated on faculty development programme on "Innovative Teaching Strategies and Tools in the Digital Age" organised by Scrollwell through online.

Dr. G. L. Sathyamoorthy, K. Sathiyathan, S. Prasanth, V. Rajeshkumar, were attended Residential Hands on Training Programme on "Advanced Data Acquisition for Mapping and Solutions (A.D.A.M.S)" organised by L & T EduTech, Chennai at Corporate Technology & Engineering Academy (CTEA), Mysuru from 31.7.2023 to 4.8.2023.

### Industrial visit:

Ms. Sindhu Vaardini & Mr. Aswin Bharath, was attended a Industrial Visit on "Weinerberger and SS Infrastructures" organised by Kumaraguru College of Technology at Bangalore.

### Courses:

Mr. Satheeshkumar KRP, was attended a NPTEL course on "Accreditation and Outcome

Based Learning" & "CFD using FVM" organised by SWAYAM - NPTEL from

24.07.2023

-29.10.2023 through online

### Workshop:

Mr. J. Viswanath, Mr. Satheeshkumar KRP, Mr. V. Selvan,

Mr. Aswin Bharath, Mr. Prasanth. S, were attended a workshop on "National Level Workshop on "Hands on training on DGPS, Drone Survey and its applications" organised by Karpagam College of Engineering on 18.08.2023.

D I D Y O U K N O W ?

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



## PAPER PUBLISHED:

Dr.R.Manju, was published a paper on “Development of Bacterial consortia from traditional lime mortar for the preparation of sustainable and strength-enhanced concrete: A solution for heavy metal toxic concrete” in Global Nest Journal

## DA ACTIVITIES:

REFRESHER PROGRAMME:

DATE:19.07.20203

The refresher program was conducted on 19 thof July 2023 for the students of 3rdyear ,Civil Department.This event provided opportunities for serving teachers to exchange experiences with their peers and mutually learns from each other.



Civil  
Engineering  
Association

D I D Y O U K N O W ?

**AliminetiMadhvaReddyIrrigation  
projectisthelongestundergroundface  
t o face t unnel i n t he world.**





**CHIEF EDITOR:**



**Dr. Selvan V**  
**Head Of the Department**  
**Department of Civil Engineering**

**FACULTY EDITOR:**



**Mr. Sathiyathan K**  
**Assistant professor** Department of  
**Civil Engineering**



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**Dhanvarshini S, III YEAR, B.E CIVIL**  
**Selvabharathi M, II YEAR, B.E CIVIL**  
**Trishalaa K, II YEAR, B.E CIVIL**

