



KUMARAGURU
college of technology
character is life



Civil
Engineering
Association

BUILDERS EXPRESS

JANUARY

&

FEBRUARY

2023



BUILDERS EXPRESS

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 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:

3 January- International Mind Body Wellness Day

On January 3, it's International Mind-Body Wellness Day, a time to recommit to loving both our bodies and minds by putting new strategies for development and wellness into action. An opportunity to celebrate how a healthy mind and healthy emotions means a healthy body! The mind, body and soul connection plays an integral role in our overall health and well-being.



30 January – World Leprosy Day

World Leprosy Day is observed every year on the last Sunday of January. In India, it is observed on 30th January every year, coinciding with the death anniversary of Mahatma Gandhi. Leprosy is a neglected tropical disease (NTD) which still occurs in more than 120 countries, with more than 200 000 new cases reported every year. The aim of observing the World Leprosy Day is to create awareness against the stigma attached to the disease, by making the general community aware that it is a disease spread by a type of bacteria and it can be easily cured.



21-March World Down Syndrome Day

World Down Syndrome Day (WDSO) is marked each year on March 21, [1] beginning in 2007. The 21st day of March (the 3rd month of the year) was selected to signify the uniqueness of the triplication (trisomy) of the 21st chromosome which causes Down syndrome. Every year on March 21, World Down Syndrome Day is observed to create awareness about Down syndrome. It is a condition in which a child is born with an extra 21st chromosome.





4 February – World Cancer Day

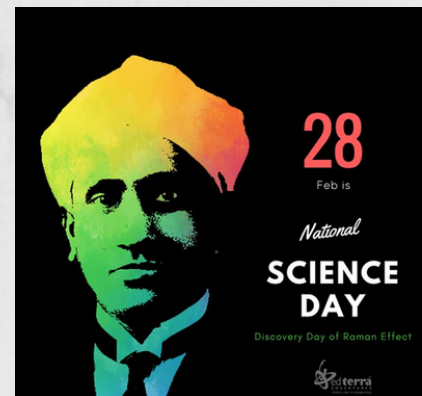
World Cancer Day is celebrated on 5th February every year. It is organized to make awareness, treatment, prevention, and its causes. It was initiated by the Union of International Cancer Control (UICC) to support the goals of the World Cancer Declaration, 2008. World Cancer Day was established on 4 February 2000 at the World Cancer Summit Against Cancer for the New Millenium, held in Paris (France). This day is celebrated to reduce illness and reduce the death ratio from the dangerous diseases Cancer.



28 February – National Science Day



Every year 28th February is observed as National Science Day. It is organized to mark the discovery of the Raman Effect by Indian physicist, Sir C V Raman on 28th February 1928. For his discovery, Sir C.V. Raman was awarded the Nobel Prize in Physics in 1930. This day aimed to create awareness of science and technology among people.



5 January- National Birds Day

On January 5, National Bird Day is celebrated to raise awareness of the value of tiny tweets in the ecosystem. The Avian Welfare Coalition, which works hard to promote awareness for birds that are captured or produced in captivity for either financial gain or for human amusement, is behind this initiative.



FUN FACT

The Danyang-Kashang Grand Bridge in China, the longest bridge in the world. It's over 100 miles long - long enough to go all the way across Lake Michigan!



PROGRAMS ORGANIZED:

- *Dr.V.Selvan and Dr.K.Ramadevi , organized a seminar on Professional Organization Memberships for Civil Engineers at KCT on 24/01/2023.*
- *Dr.V.Selvan conducted a workshop on Training program on BIS Foundation Day at KCT on 25/01/2023.*
- *Dr.A.Gandhimathi, Dr.K.Ramadevi, Ms.S.Rajalakshmi organized a guest lecture which was given by Mr.Gnanavel Murugan, Project Manager/Estimator, MSM Group, Australia and it was attended by nearly 60 students on 16-02-2023 at KCT.*

JOURNAL PUBLICATIONS:

- *Dr.R.Manju in colloration with T Subitha, K Kumaresan published an international journal 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,APA,2(6),2023 and indexed in Scopus and the journal was also notified on UGC website during the year.*
- *Dr.J.Premalatha collaborated with Dr.J.Srinivasan, Associate professor in Dr.Mahalingam College of Engineering, Pollachi and published papers on "Prediction of compressive strength of concrete with Rice husk ash as partial replacement for cement using ANN model" and "Strength and Durability properties of concrete with partial replacement of coarse aggregate with e-waste aggregates."*

PAPERS REVIEWED:

- *Dr.B.Nithyalakshmi reviewed a paper titled "Determination of water quality indicator using deep hierarchical cluster analysis."*
- *Dr. B. Nithyalakshmi reviewed a paper titled as "Groundwater hydrochemistry and its appropriateness for consumption and irrigation: Geographic and temporal variation: Integrated approach",which was published in an international journal titled as "Urban climate".*

FUN FACT

The Home Insurance Building in Chicago is generally considered the world's first skyscraper. Completed in 1885, it was the first to use a curtain wall construction on a steel frame.



COLLABORATIVE ACTIVITY:

- *Dr.G.L.Sathyamoorthy, participated as a Doctoral Committee member at Anna University, Trichy Campus on 11/01/2023.*
- *Dr.G.L.Sathyamoorthy, participated as a NBA Mock Committee Member in Sakthi polytechnic College on 12/01/2023.*
- *Dr.G.L.Sathyamoorthy, participated as a NBA Peer Team Visit Support in Sakthi polytechnic College from 20/01/2023 to 23/01/2023.*
- *Dr.K.Ramadevi, participated in a Doctoral Committee meeting organized by CIT, Coimbatore on 12/01/2023.*

PROGRAMS ATTENDED BY FACULTY:

- *Dr.V.Gayathri attended a national event on the topic "Geotechnical Investigation for Structural Engineering" held at IIT Gandhinagar, Palaj, Gujarat, India from 18/01/2023 to 21/01/2023.*
- *Dr.B.Nithyalakshmi and Dr.A.Geethakarathi attended a national event on the topic "STTP(SPL04) ON ECOLOGY AND ENVIRONMENT" organized by National Institute of Technical Teachers' Training & Research, Kolkata, India from 09/01/2023 to 20/01/2023.*
- *Dr.K.Ramadevi attended a national level event on "New Generation Construction Materials & Technologies" organized by Sir.M.Visvesvaraya Institute of Technology, Bengaluru from 05/01/2023 to 06/01/2023.*
- *The One Day national Workshop on Value Added Concrete and Application which was conducted on 4-02-2023 in an online mode which was participated by Dr.K.Ramadevi*

FACULTY AS RESOURCE PERSON

- *Dr.K.Ramadevi was a chairperson for the International Conference on Emerging Trends in Industry 4.0 and Sustainable Concepts at School of Engineering, Avinashilingam Institute for Home Science and Higher Education for Women on 24-02-2023 to 25-02-2023.*

FUN FACT

Before skyscraper was used for buildings with an exciting height, the word was already in use for things sticking into the air, such as a triangular sky-sail (first recorded use in 1794), a high-standing horse (1788), a very tall man (1857)."



- *Dr. B. Nithyalakshmi was a external examiner in Practical Training- Assessment & Evaluation at Coimbatore Institute of technology on 27-02-2023.*

REVENUE GENERATED FROM CONSULTANCY:

- *Dr.K.Ramadevi earned a revenue of Rs.1180 by providing mix design for Trilochana Associates, Pollachi.*
- *Dr.R.Manju earned a revenue of Rs.3540 by conducting the Compressive Strength of concrete test for Ramya Associates, Coimbatore.*
- *Dr.R.Manju earned a revenue of Rs.1180 by conducting the Compressive Strength of concrete test for T3N Associates, Coimbatore.*
- *Dr.K.Ramadevi earned a revenue of Rs 21240/- by providing mix design for Trilochana Associates, Pollachi.*
- *Dr.K.Ramadevi earned a revenue of Rs 64015/- by providing Quality and surface hardness of concrete for TG Foundation, Gujarat.*

INDUSTRIAL VISITS :

- *II Year ME SE Students visited Southern Railways, Palakkad on 8-02-2023 which was accompanied by faculty Dr.K.Ramadevi.*

DA ACTIVITY:

BUILD YOUR MODEL:

DATE: 28/02/2023

VENUE: C-126

Build your model is fun event organized with a aim to improve the creative and quality thinking of students.To give them a idea on how a real house model works.The event gave a week time to students to finish of their model.Many fabuluos and new designs were brought by students which delighted the organizers and jury greatly.



FUN FACT

The tallest wooden building in the world is the Mjøstårnet in Norway, which stands at 85.4 meters (280 feet) tall.



WOMEN'S DAY CELEBRATION:

DATE::10/03/2023

VENUE:C-216

International women's day is celebrated annually on March 8th to acknowledge the social, economic, cultural, and political achievements of women and to call for gender equality worldwide. The theme for each year's IWD focuses on a specific issue affecting women, such as gender-based violence, education, and women's rights. The day serves as an opportunity to reflect on progress made towards gender equality and to highlight the challenges that still need to be addressed. It is also a day to celebrate the contributions of women in all spheres of life, and to promote women's empowerment and leadership.



PEER LEARNING:

DATA ANALYSIS ON GIS:

SPEAKER: S.RAJKUMAR

DATE:05/02/2023 - 08/03/2023

VENUE: ADVANCE COMPUTING LAB

Data analysis on GIS is a peer learning session scheduled for 4 days from feb 5 to feb 8. Our speaker Rajkumar.S from 3rd year has been trained in GIS. These sessions were conducted hoping students would be aware of the importance of GIS in civil engineering field. Hands on training was given to students making it an easier way to learn.



FUN FACT

The Leaning Tower of Pisa in Italy, known for its distinctive tilt, was originally built to be a bell tower but started leaning during its construction due to unstable ground.



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