



KUMARAGURU
college of technology
character is life



Civil
Engineering
Association



BUILDERS EXPRESS

MARCH
and
APRIL
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 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 1984. The department is having experienced and well qualified staff and also has well equipped lab facilities. In addition 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.



Inside the issue:

About KCT

Days to remember

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DA Activity





DAYS TO REMEMBER:

3rd March – Employee Appreciation Day

Employee Appreciation Day is an event, observed on the first Friday in March, meant for employers to give thanks or recognition to their employees. Employee appreciation enhances the elements of a strong company culture and positive employee experience, including job satisfaction and employee engagement.



4th March – National Safety Day

The National Safety Day Campaign is celebrated in India to enhance the safety awareness among people. It is a national movement carried out on annual basis to prevent and lessen the loss of life including various human being problems and their financial loss.

8th March – International Women's Day

International Women's Day (IWD) is celebrated annually to commemorate the cultural, political, and socioeconomic achievements of women. It is also a focal point in the women's rights movement, bringing attention to issues such as gender equality, reproductive rights, violence and abuse against women



DID YOU KNOW?

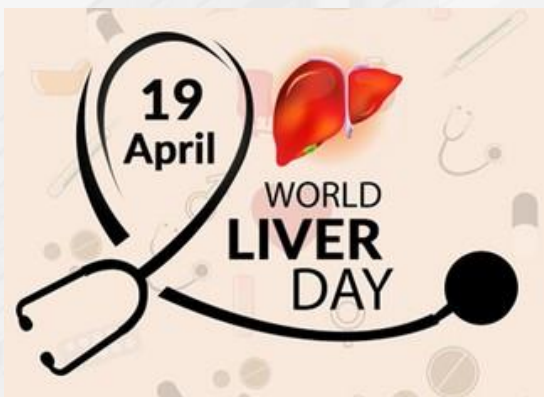
Nathpa Jhakri ,a 1500MW power house is the largest underground power house in India.





7 April- World Health Day

As we know that "Health is wealth". Therefore, to spread awareness on the Importance of maintaining good health World Health Day is celebrated worldwide every year on the 7th of April. Various programs and arrangements are managed by the World Health Organisation. It was first celebrated in the year 1950.

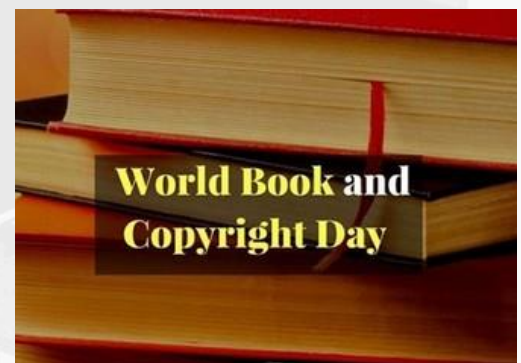


19 April - World Liver Day

It is observed to spread awareness about the diseases related to the liver. The liver is the second largest organ in the body. It performs various crucial functions associated with digestion, immunity, metabolism, and the storage of nutrients within the body.

23 April - World Book and Copyright Day

Every year on 23rd April this day is celebrated to promote the enjoyment of books and reading. It is necessary to recognise the magical powers of books because they generate a link between the past and the future, a bridge between generations and across cultures.



DID YOU KNOW?

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





PROGRAMS ORGANIZED:

- Dr.P.Eswaramoorthi,Dr.A.Vennila organised a Guest Lecture on World Consumer Rights Day on 17/03/2023.
- Dr.P.Eswaramoorthi, Dr.A.Gandhimathi, Dr.K.Ramadevi, Dr.G.L.Sathyamoorthi & Ms.S.Rajalakshmi organised project expo on Nation Wide Search for Budding Minds on 24/03/2023 within KCT
- Dr. B. Nithyalakshmi ,Ms. U. Sindhu Vaardini and Mr. A. Aswin Bharath organised a guest lecture which was given by Latest Technologies and Advancements in Transportation Systems by Mr.Cyril Satheesh which was attended by nearly 120 students on 28.4.2023 at KCT.
- Dr.P.Eswaramoorthi, Dr.A.Vennila organised guest lecture of Shri.GOPINATH VAKKADA, SENIOR DIRECTOR, SCIENTISTF ,BIS COIMBATORE from Bureau of Indian Standards (BIS) -STANDARDS CLUB on 17/03/2023.

.FACULTY AS RESOURCE PERSON:

- SINDHU VAARDINI U gave guest lecture on Awareness Programme on "Impact of Plastics n ironment" in Sri Ramakrishna Polytechnic College on 18/03/2023.
- Dr.R.Manju as BoS Member attended BoS meeting in Karpagam Academy of Higher Education,Coimbatore on 21/03/2023.
- Dr.K.Ramadevi as DC member Doctoral Committee meeting Karunya Institute of Technology and Sciences, Coimbatore on 31/03/2023.

DID YOU KNOW?

Nora Stanton Blatch : She was the first female Civil Engineering graduate awarded by the CornellUniverssity



FACULTY PARTICIPATION :

- The One Day national Workshop on Value Added Concrete and Application which was conducted on 4-04-2023 in an online mode which was participated by Dr.K.Ramadevi
- The national workshop on India Construction Meet (ICM)-23 which was conducted by Construction Industry Development Council (CIDC). on 10-4-2023 to 12-4-2023 in face to face mode which was participated by Dr.V.Gayathri and Dr. R. Manju.
- The national workshop on World's Largest Climate Clock Assembly , an AICTE organized event was participated by Dr.A.Geethakarathi
- Dr.A.Geethakarathi participated in Seminar on G20 Educational meet, IITM Research park and CEFIPRA-Funded Indo-French Research Seminar on Innovation in Manufacturing and Machining of Aerospace Materials.
- Mrs.S.Rajalakshmi and Dr.A.Gandhimathi participated in Workshop & National Symposium on Annual Summer Workshop from 28 march to 30march .

PAPERS REVIEWED:

- Dr.R.Manju reviewed Papers Survey on the performance of underwater non- dispersive concrete and Biosorption of Nickel from Electroplating Wastewater using Green Algae Volvox.
- Sindhu Vaardini U reviewed papers titled as A New Perspective in Construction Management; Metaverse.

DID YOU KNOW?

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





- Dr.A.Geethakarathi reviewed papers titled Removal of Pb(II) from aqueous solution , adsorption kinetics of corn stalk biochar and "Effect of air pollutant exposure on daily mortality among elderly individuals in China: a systematic review and meta-analysis", Impact of climatic changes on surface water in Middle East – Northern Iraq, Biowaste derived sustainable carbon aerogels/polyvinylidene fluoride composites for effective removal of organic pollutants/oils.
- Dr.K.Ramadevi reviewed papers Evaluation of Coconut Fibre Reinforced Low Density Polyethelene Composites and Experimental Study on Mechanical Properties of Iron ore tailing Pumice Concrete Porous Brick Masonry.

JOURNALS PUBLISHED:

- Aswin Bharath A on , "A Literature Review on Developing Causes and Mitigation Strategies of Delay in Construction Projects: Gaps Between Owners and Contractors in Successful and Unsuccessful Projects, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) and , "A Literature Review on Developing a Project Performance Measurement Strategy for Construction Projects International Journal of Advanced Research in Science, Communication and Technology.
- Dr.R.Manju, "Development of bacterial consortia from traditional lime mortar for the preparation of sustainable and strength-enhanced concrete: A solution for heavy metal toxic concrete.
- Dr.V.Selvan on , "International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

DID YOU KNOW?

Nathpa Jhakri a 1500 MW Power House is the largest underground power house in India.





PAPERS SUBMITTED BY FACULTY :

Aswin Bharath A and Vishnu. A submitted each one paper on March 2023.

BOOK PUBLICATION :

- Dr. K. Ramadevi published on topic Research Methodology Paradigms – IPR and Patent.
- Ramsundram published on chapter Temporal Prediction of Groundwater Levels: A Gap in Generalization in Impacts of Urbanization on Hydrological Systems in India book.

AWARDS RECEIVED:

Dr. A. VENNILA received BEST M.E. THESIS GUIDE from ICI ULTRATECH AWARDS 2022.



PATENT:

- Dr. V. Gayathri & Mrs. S. Sruthi got patent right for Red mud brick and the method of manufacture thereof.
- Dr. A. Gandhimathi & Dr. V. Gayathri got patent right for Air quality Monitor.

STUDENT PROJECTS:

Mr. Akilesh and Mr. Arnesh collaborated with TECHNIP Energies Ltd, Chennai and did a project on Study on Performance of Piperacks with Indian and Universal sections on 23/03/2023.

DID YOU KNOW?

Brahmaputra Guide Bund completed in a record time of 7 months





JOURNAL PUBLICATION BY STUDENTS:

M. Sam Horrison published paper on R.Manju, SindhuvaardiniU, "Overview on Study on Properties of Concrete Canvas", International journal AdvancedResearch in Science, Management and Technology,2022 uner the guidance of Dr R Manju, Ms.U.Sindhu Vaardini in 2023.

STUDENT PARTICIPATION :

- Anand S, Goutham K, Nithin Chakaravarthy L, Paranidharan M,J, Senthil Kumar S, Sharan K participated in Structural Analysis using STAAD/Pro organised by NITTTR,Chennai from 6/3/23 to 10/3/23.
- Sanmathi , Remisha S R, Saran Karthik, Mohammed Azarudeen, Tamilarasan, DhivyaSarany participated in Annual Summer Monsoon and National Symposium 2023 organised by IITM ,pune from 28/3/23 to 30/3/23.
- Kishore B and Surya A participated in CLASH OF CAAD IN KONGU ENGG COLLEGEON 18/3/23 .
- DANIE BLESSLY participated in CONEXIUNE in KONGU ENGG COLLEGE ON 18/3/23.
- AAKASH M and SAKT N SH S presented paper in KONGU ENGG COLLEGE ON 18/3/23 .

DID YOU KNOW?

There are currently 1712.1 million tons of steel being used in the world today.





DA ACTIVITY:

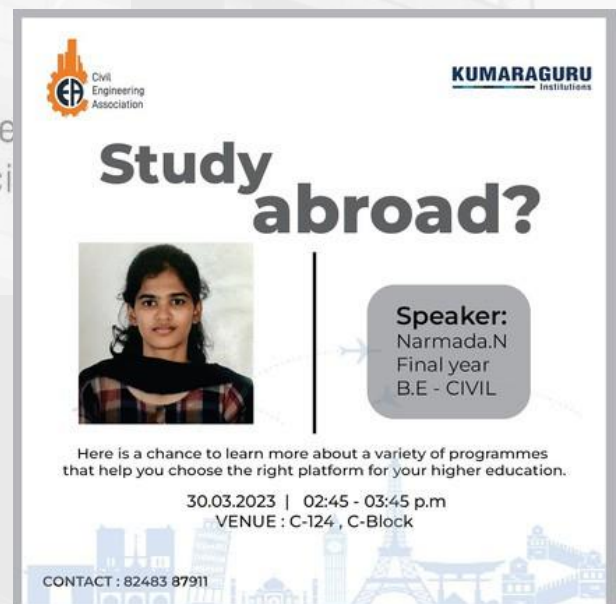
PLACEMENT GUIDANCE SERIES:

The aim of this series is to create a platform to interact with academic and industrial professionals and also with seniors. This series helps to enlighten and educate students who are appearing for interviews through an interactive session by sharing their experience and challenges faced during interviews. The outcome of this session is a clear and confident mind to approach the interview which is held on 28th March.

STUDY ABROAD:

Have you been wanting to ask, How to study abroad? And Where do you even start?

Then CEA is here to aspire and guide you, and share information regarding studying abroad, to achieve your academic goals through a JUNIOR- E Interaction session where the idea of the whole process which is held on 30th March.



The poster features the CEA logo (Civil Engineering Association) and the text 'Study abroad?'. It includes a photo of the speaker, Narmada.N, a final year B.E. - CIVIL student. The event details are: 30.03.2023 | 02:45 - 03:45 p.m. at Venue: C-124, C-Block. Contact: 82483 87911. The background of the poster shows a cityscape with the Eiffel Tower.

DID YOU KNOW?

Carl Terzaghi is considered the father of modern geotechnical engineering, which is a specialty area of civil engineering.





PEER LEARNING SESSION:

Teaching peers is one of the best ways to develop mastery.

Then CEA is here to aspire and guide you, and share information regarding Revit and Sketch up software to achieve your academic goals. Do join and get a solution for your future career. Define yourself by seeking what you need which is contacted for more than one week from from 10th april to 18th april.



PEER LEARNING

REVIT & SKETCHUP

One Week Programme

10/04/2023 ONWARDS

5.00 PM - 6.00 PM

VENUE: CADD LAB, D- BLOCK

Link to register: https://bit.ly/revit_sketchup

For queries: 8072182446

KUMARAGURU
Institutions



DID YOU KNOW?

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.





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