



KUMARAGURU
COLLEGE OF TECHNOLOGY
Character is life

**CIVIL
ENGINEERING
ASSOCIATION**



BUILDERS EXPRESS

SEPTEMBER AND
OCTOBER 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, two 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
THIS
ISSUE!!

About KCT

Days To
Remember

Programmes
Organised

Programmes
Attended

Papers

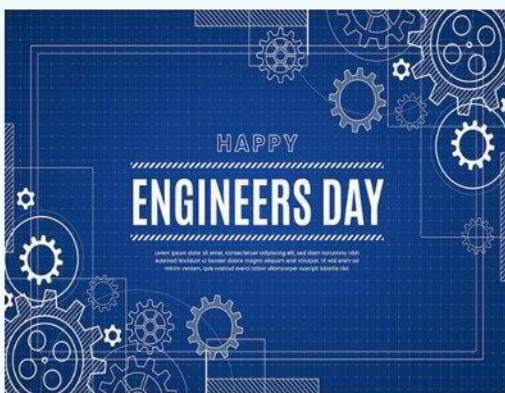
Reviewed DA



Days To Remember:

1st September - National Nutrition Week

National Nutrition Week is observed from 1st September to 7th September to provide knowledge among people about the importance of nutrition and its importance for the human body, for better health.



15th September - Engineer's Day (India)

Engineer's Day is celebrated in India on 15 September every year to mark the tribute to the Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya.

21st September—International Day of Peace

International Day of Peace (UN) is observed on 21 September around the world. For the first time it was observed in September 1982 and in 2001, the General Assembly adopted a resolution 55/282, which established 21 September as International Day of Peace of non-violence and cease-fire.



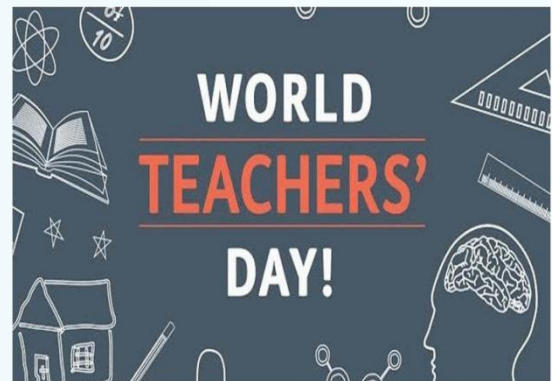
DID YOU KNOW?

Smeaton constructed the Eddystone Lighthouse and was the first civil engineer.



5th October- World Teachers Day

The world celebrates this day to mark the importance of teachers. It is commemorated each year on the anniversary of the ILO/ UNESCO Recommendation adoption regarding the Status of Teachers in 1966. Theme for 2022 was “Teachers at the heart of education recovery.”



10th October-World Mental Health Day

World Mental Health Day is celebrated to raise awareness about mental health issues. The theme for 2021 was “Mental Health Care for All: Let’s make it a reality.”The day provides a platform for the stakeholders in mental health to talk about their work .



11th October-International Day of Girl Child

The theme for the 2022 International Day of the Girl Child was “Digital generation: Our generation.” UN’s focus was that young girls were less likely to have access to digital devices, which affects their ability to get a job or develop tech-related skills.



DID YOU KNOW?

Norwich University- this institution was the first college to offer civil engineering near United states.It was founded by Captain Alden Partridge in 1819



Programs organized:

Workshop on “Manak Manthan Technical Discussion on IS 1837:2023 Gypsum Ceiling Tiles”

Organizers: Dr.A.Vennila

Speaker: Sri.V.Gopinath, Scientist F &Senior Director, BIS Coimbatore

Date: 27.09.2023

The event "Technical Discussion of Manak Manthan" focused on gypsum ceiling tiles and was led by the speaker Sri V. Gopinath. The discussion likely involved an in-depth exploration of the technical aspects, standards, and applications of gypsum ceiling tiles in construction. The speaker, Sri V. Gopinath, would have shared his expertise on the material's properties, installation methods, benefits, and challenges, aiming to provide valuable insights for industry professionals and stakeholders involved in building and construction projects.

Guest Lecture on “Entrepreneurship Development Program on Interior Designing”

Organizer: Mr.A.Aswin Bharath

Speaker: Mr.Devandran K, Dream Sketch Interiors, Coimbatore, India

Date: 03.10.2023

A highly anticipated series of guest lectures on Entrepreneurship was organized, bringing together a diverse group of seasoned entrepreneurs, industry experts, and aspiring business leaders. The event served as a comprehensive platform for exploring the multifaceted world of entrepreneurship, offering deep insights into the practical and theoretical aspects of starting and growing a business. The lectures were designed to cover a broad range of topics essential for anyone interested in entrepreneurship.

Overall, the guest lectures on Entrepreneurship provided a valuable learning experience, equipping participants with the knowledge and inspiration needed

DID YOU KNOW

CONCRETE IS THE SECOND
MOST CONSUMED MATERIAL
by Humans



Workshop on “Manak Manthan Technical Discussion On IS 14862:2000

Organizer: Dr.A.Vennila

Speaker: Sri.V. Gopinath, Scientist F &Senior Director, BIS Coimbatore

Date: 12.10.2023

The Manak Manthan Technical Discussion event was held, bringing together industry experts, academics, and technology enthusiasts to engage in in-depth discussions on the latest advancements in technology. The event focused on exploring cutting-edge innovations, emerging trends, and their potential impacts across various sectors. Topics included AI and machine learning, cybersecurity, blockchain technology, and sustainable engineering practices. The discussion provided a platform for sharing knowledge, fostering collaboration, and addressing key technical challenges. Participants had the opportunity to engage with experts through interactive sessions, gaining insights into practical applications and future developments in the tech world. This event was a significant step towards bridging the gap between technological theory and real-world implementation.

Collaborative Activity On “Youth To Youth Campaign”

Organizer: Dr.A.Vennila

Date: 13.10.2023

The Youth to Youth Campaign was organized to empower young individuals by fostering peer-to-peer engagement and collaboration. The event brought together youth leaders, activists, and students to discuss pressing social issues, share experiences, and develop actionable strategies for change. Key topics included mental health awareness, climate action, digital literacy, and social entrepreneurship. Through workshops, panel discussions, and interactive sessions, participants were encouraged to take an active role in their communities, leveraging their collective voice to drive positive change. The campaign emphasized the importance of youth leadership, collaboration, and innovation in addressing global challenges.

JoHn SMEATon IS THE
FATHER oF CIYIL
EngInEERIng. HE coInEd THE
TERM In 1770



FDP on " Sustainability development in chemical, Environmental and Life Science Applications"

Organizer: Dr.B. Nithyalakshmi

Date: 30.10.2023

The event "Sustainable Development in Chennai: Environmental and Life Science Applications" . It focused on innovative approaches to sustainability, particularly within the environmental and life sciences sectors. Experts from various fields discussed how life sciences can address pressing environmental issues like climate change, pollution, and biodiversity loss. The event featured presentations on green technologies, sustainable urban development, and the role of biotechnology in environmental conservation. Keynote speakers emphasized the importance of interdisciplinary collaboration. The event also provided a platform for networking among scientists, policymakers, and industry professionals, aiming to foster partnerships for sustainable solutions in Chennai.

PROGRAM ATTENDED:

Workshop on "Theory Building and testing using structural equation model:

Organizer: Mr. A. Aswin Bharath

Date: 06.09.2023

A workshop on "Theory Building and Testing Using Structural Equation Models" was attended. The workshop provided an in-depth exploration of structural equation modeling (SEM) as a powerful statistical tool for theory development and hypothesis testing in research. Participants were guided through the fundamentals of SEM, including model specification, identification, estimation, and evaluation. The sessions covered both theoretical aspects and practical applications using software like AMOS and SmartPLS. Attendees learned how to build complex models that represent relationships between observed and latent variables..

DID YOU KNOW?

Bramputra guide bund completed
in a record time of 7 months



Paper Presentation on “ International conference on advanced materials for clean energy and health application”:

Organizer: Mr.A. Aswin Bharath

Date:19.09.2023

Attended a paper presentation at the "International Conference on Advanced Materials for Clean Energy and Health Applications." The conference brought together researchers, scientists, and industry professionals to discuss cutting-edge advancements in materials science. The paper presented focused on the development and application of novel materials aimed at enhancing clean energy solutions and improving health outcomes. It explored innovative materials for energy storage, conversion, and sustainable medical technologies. The presentation highlighted the role of nanomaterials, bio-compatible materials, and smart materials in addressing global challenges. The discussion emphasized interdisciplinary approaches to material design and their potential impact on both energy efficiency and healthcare innovations. The event provided valuable insights into the future of material science in these critical

Sustainable construction practices
Workshop on “Ideation”:
Organiser: Mr. A. Aswin Bharath

Date: 21.10.2023

An "Ideation Workshop" was conducted, focusing on fostering creativity and innovation among participants. The workshop aimed to guide attendees through the process of generating, developing, and refining ideas for projects, products, or research. It began with sessions on brainstorming techniques, encouraging participants to think outside the box and explore diverse perspectives. Facilitators introduced tools and frameworks like mind mapping, SCAMPER, and the Six Thinking Hats to structure the ideation process. Participants engaged in collaborative group activities, where they shared and critiqued ideas, refining them into actionable concepts. The workshop also covered strategies for evaluating the feasibility and potential impact of ideas. By the end, attendees left with a toolkit of techniques to enhance creativity and innovation in their respective fields.

DID YOU KNOW?

New River Gorge Bridge is made of COR-TEN sTeel



Refresher course on “Lean Academic Conclave”:

Organiser: Mr. A. Aswin Bharath

Date: 28.10.2023

A refresher course titled "Lean Academic Conclave" was held, focusing on applying lean principles to academic environments. The course aimed to introduce educators and administrators to lean methodologies that enhance efficiency, reduce waste, and improve overall productivity in educational institutions. Participants learned about the core concepts of lean management, including value stream mapping, continuous improvement, and the elimination of non-value-added activities. The sessions highlighted how these principles can be adapted to academic processes such as curriculum development, research management, and administrative functions. Real-world examples and case studies were presented to illustrate the successful implementation of lean practices in educational settings. The conclave also facilitated discussions on overcoming .

PAPERS PUBLISHED:

In the month of September:

1. V. Vijay Ananth , Mr. P A Prabakaran , Ms.U. Sindhu vaardhini , Mr. A. Aswin bharath published a paper “Core capabilities of achieving sustainable construction project management” in International journal of advanced research in science, communication and technology(IJAR SCT)
2. J. Karthick, Ms. U. Sindhu vaardhini, Mr. A. Aswin bharath, Mr. P.A. Prabakaran published a paper “Enhancing construction project profitability: The critical role of effective materials management” in International journal of advanced research in science, communication and technology(IJAR SCT)
3. A. Yuvarajan, Mr. P.A. Prabakaran, Ms. U. Sindhu vaardhini. Mr. A. Aswin bharath published a paper “Agile construction project management” in International research journal of modernisation in engineering technology and science

THE GoLDEn GATE
BRIDSE IS THE LonSEST
SuspEnSion bRIDSE In THE
WoRLD



4. V. Vijay Ananth , Mr. P A Prabakaran , Ms.U. Sindhu vaardhini , Mr. A. Aswin bharath published a paper “Core capabilities of achieving sustainable construction project management” in International journal of advanced research in science, communication and technology(IJAR SCT)
5. J. Karthick, Ms. U. Sindhu vaardhini, Mr. A. Aswin bharath, Mr. P.A. Prabakaran published a paper “Enhancing construction project profitability: The critical role of effective materials management” in International journal of advanced research in science, communication and technology(IJAR SCT)
6. A. Yuvarajan, Mr. P.A. Prabakaran, Ms. U. Sindhu vaardhini. Mr. A. Aswin bharath published a paper “Agile construction project management” in International research journal of modernisation in engineering technology and science
7. S. Manjunath, Mr. P.A. Prabakaran, Ms. U. Sindhu vaardhini. Mr. A. Aswin bharath published a paper “A Comprehensive literature review on accident analysis in construction” in International research journal of modernisation in engineering technology and science
8. S. Abishek, Mr. P.A. Prabakaran, Ms. U. Sindhu vaardhini. Mr. A. Aswin bharath published a paper “Automation in construction industry its application and barriers to implementation on construction site” in International journal of advanced research in science, communication and technology(IJAR SCT)
9. V. Charan, Ms. U. Sindhu vaardhini published a paper “Robotics technology in the construction project” in International research journal of modernisation in engineering technology and science
10. D. Loganathan, Dr. K. Ramadevi published a paper “Risk assessment of seismic hazard using ARCGIS for the Coimbatore region” in Journal of environmental production and ecology

Testa V project has been provided with Jet Grouting curtain is being provided below



In the month of October:

1. P. Rohith, Mr. A. Aswin bharath, Ms. U. Sindhu vaardhini, Mr. P.A. Prabakaran published a paper "Green construction concept mode in construction project" in International journal research publication and reviews
2. S. Shrividya, Mr. A. Aswin bharath, Ms. U. Sindhu vaardhini, Mr. P.A. Prabakaran published a paper "A review on elements of cost overruns, delays and risk involvement in construction project management" in International journal of research and analytical reviews
3. S. Ranisanyuktha, Mr. A. Aswin bharath, Ms. U. Sindhu vaardhini, Mr. P.A. Prabakaran published a paper "Contract tenders in construction management" in International journal research publication and reviews
4. Dhayanand, Mr. A. Aswin bharath, Ms. U. Sindhu vaardhini, Mr. P.A. Prabakaran published a paper "Obstacles and solutions for green construction" in International journal of research and analytical reviews
5. S.B. Umesh, Mr. A. Aswin bharath, Ms. U. Sindhu vaardhini, Mr. P.A. Prabakaran published a paper "A review on augmented reality in construction" in International journal of research and analytical reviews

DID YOU KNOW?

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



KUMARAGURU COLLEGE OF TECHNOLOGY

**CIVIL
ENGINEERING
ASSOCIATION**



CHIEF EDITOR:



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

FACULTY EDITOR:



Mr. Sathiyathan
Assistant professor of Department
of Civil Engineering



STUDENT EDITOR'S:

Selvabharathi M, III YEAR, B.E CIVIL

Tharitha K, II YEAR, B.E CIVIL

Dinesh K, II YEAR, B.E CIVIL

Tarun V, II YEAR, B.E CIVIL



