



KUMARAGURU
COLLEGE OF TECHNOLOGY
Character is Life

**CIVIL
ENGINEERING
ASSOCIATION**



BUILDERS EXPRESS

July – August 2022



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.



Vision of Institution

The vision of the college is to become a technical university of International Standards through continuous improvement.

Mission of Institution

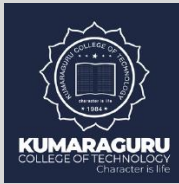
Kumaraguru College of Technology (KCT) is committed to providing quality Education and Training in Engineering and Technology to prepare students for life and work equipping them to contribute to the technological, economic and social development of India. The College pursues excellence in providing training to develop a sense of professional responsibility, social and cultural awareness and set students on the path to leadership.

Vision of Department

Department of Civil Engineering is striving to become as a world class Academic Centre for quality education and research in diverse areas of Civil Engineering, with a strong social commitment.

Missions of Department

1. Producing highly competent and technologically capable professionals and motivated young Academicians
2. Providing quality education in undergraduate and post graduate levels, with strong emphasis on professional ethics and social commitment.
3. Developing a scholastic environment for the state – of –art research, resulting in practical applications.
4. Undertaking professional consultancy services in diverse areas of Civil Engineering.



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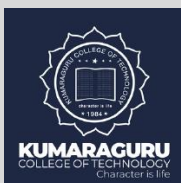
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Message from the Head of the Department:

"Our department continues to shine with remarkable achievements, innovative research, and impactful events. Let's maintain our drive for excellence and make strides in fostering the next generation of civil engineers."

— Dr. Selvan V

Programs Organized:

- Workshop on QGIS Software, Date: 23rd August 2022**
Summary: A practical workshop focused on the application of QGIS software for spatial data analysis. The session was aimed at PG students and led by academic experts, enhancing GIS proficiency for civil engineering solutions.
- Guest Lecture on DGPS Applications, Date: 30th August 2022**
Summary: Industry professionals demonstrated the applications of Differential Global Positioning Systems (DGPS) in advanced surveying. UG students gained insights into real-world geospatial challenges and solutions.
- Workshop on Structural Analysis Software, Date: 29th August 2022**
Summary: A session introducing advanced tools for structural analysis and design was conducted for UG and PG students. It highlighted practical applications in civil engineering, with demonstrations by industry professionals.

Programs Attended

- Workshop on Modern Structural Testing:** Faculty members attended a workshop highlighting modern approaches to testing in civil engineering, including innovative equipment demonstrations.
- International Conference on Sustainable Development in Civil Engineering:**
Faculty and students represented the department, presenting research papers and networking with global experts.



Student Achievements:

1. **National Level Cube Strength Contest**, A team of final-year students secured the second position in a competition on concrete cube testing, showcasing precision and innovation.
2. **Internship with L&T Constructions**, Five UG students completed internships with L&T, contributing to live projects in urban infrastructure development.

Faculty Contributions:

1. **Faculty Development Program**: Dr. Ramadevi attended an FDP on "Advanced Structural Design with ETABS" at NIT, Chennai.
2. **Resource Person**: Dr. Vennila delivered a session on "Writing High-Impact Research Papers" at PSG College of Technology.

Publications and Research Highlights:

1. Dr. Manju R published a paper on "Sustainable Concrete Using Microbial Techniques" in the *Journal of Advanced Civil Engineering*.
2. Dr. Gayathri V presented groundbreaking research on "Eco-Friendly Concrete with Alccofine" at an international symposium.

Industry Collaborations and Consultancy:

1. The department collaborated with Sai Keerthi Homes for a topographical survey project in Coimbatore.
2. Soil testing consultancy provided for TANTRANSCO substation projects.

Events in Focus:

1. QGIS Workshop

Students expressed enthusiasm for the hands-on GIS training, stating it provided a competitive edge for real-world applications.



2. Structural Analysis Workshop

A participant noted, "The insights into software tools made complex engineering concepts much easier to understand."

Did You Know?

- The Golden Gate Bridge, spanning over 4,200 feet, remains a marvel of civil engineering.
- Concrete's history dates back to ancient Rome, where volcanic ash was used as a primary ingredient.

Upcoming Events:

- **Concrete Fest 2022:** A student-centric event featuring cube strength contests, model exhibitions, and guest lectures.
- **Faculty Workshop on Smart Cities:** Covering the integration of IoT and sustainable designs in urban development.



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