



KUMARAGURU
college of technology
character is life

CIVIL ENGINEERING
DEPARTMENT HALF YEARLY LETTER
2022 - 2023





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**.



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About Civil Engineering Department

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 programme, three postgraduate programmes 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. 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 Book

About KCT

About Department

Programmes Attended

- (FDP
- Guest Lectures Delivered)

Programmes Organized

- (Webinars
- Visits
- Civil Alumni Tale
- CDP
- Value Added Course)

DA Activity

Papers Published



Programs attended:

- 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.
- 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.
- Dr. B. Nithyalakshmi was an external examiner in Practical Training- Assessment & Evaluation at Coimbatore Institute of Technology on 27-02-2023.
- SINDHU VAARDINI U gave guest lecture on Awareness Programme on "Impact of Plastics in environment" 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.
- 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 .
- On May 2023 P.A. PRABAKARAN SATHEESH KUMAR KRP is delivered a national level guest lecture in the tropic of Operational Assessment, Contract Management and Project Management in Highway Projects which is conducted by Aarvee Associate on 24.5.23 and 25.5.23



- On May 2023 Ms. Rajalakshmi S AP-II attended the national level summer faculty Research Internship at IIT Delhi for the period of 8 week 16-5-2023 14-7-2023 for 6 hrs. per day on campus
- On 2023 MAY Mr.A.Vishnu and Mr.S.Karthikeyan attended the national level one day workshop on 3D printing technology which is conducted by the anna university, Chennai for the duration of 22.3.2023, 22.3.2.2023 for 8 hrs. at Anna university, campus.
- On 11.06.23 June Dr. V Gayathri participated as Keynote Speaker and Chairperson in National Conference on Sustainable Practices in Geotechnical Engineering which is conducted by the Department of CE, Government College of Technology, Coimbatore.
- On 2.6.23 June Dr.G.L.Sathyamoorthy attended as an Academic Audit External Expert for Academic Audit for Department of Civil Engineering, Avinashilainagm Deemed University, Coimbatore.
- On 16.6.23 June Dr.G.L.Sathyamoorthy attended as an Keynote Speaker for national and international Key Note Lecture on the Topic "Research Tools" in the ISTE New Delhi Sponsored STTP ISTE-New Delhi and Adithya Institute of Technology, Coimbatore – 641107
- On 23.6.23 June Dr.G.L.Sathyamoorthy attended as an Jury member for national level ASCE India Student Symposium 2023 which is held on KPRIET, Coimbatore



- On 2023 May Dr.K.Ramadevi attended the national level Industrial training for Two Weeks of Online Internship / Industrial Training on Design & Analysis of Mech.Sys and Civil struct. Using ABAQUS from 11/5/2023 to 25/05/2023 which is conducted by The National Small Industries Corporation Ltd. Technical Services Centre, Hyderabad, Telangana
- On 2023 June Dr.G.L.Sathyamoorthy attended the national level ISTE Approved One Week Online Short Term Training Programme (STTP) on “Scientific Adaptations, Grants and Intellectual Property Rights” from 12th – 16th June 2023 organized by ISTE-New Delhi and Adithya Institute of Technology, Coimbatore - 641107
- On 2023 JUNE Dr. B. Nithyalakshmi attended the national level online FDP NATIONAL AICTE UHV from 12/6/2023 to 16/06/2023 organized by AICTE, NEW DELHI
- On 2024 JUNE A. Aswin Bharath attended the National level online FDP NATIONAL AICTE UHV from 12/7/2023 to 16/06/2024 organized by AICTE, NEW DELHI
- On 2023 May Dr.R.Manju attended the national level Industrial training for Two Weeks of Online Internship / Industrial Training on Design & Analysis of Mech.Sys and Civil struct. Using ABAQUS from 11/5/2023 to 25/05/2023 which is conducted by The National Small Industries Corporation Ltd. Technical Services Centre, Hyderabad, Telangana
- On 2023 June Dr.V.Selvan attended the 5 days national level online workshop on Forecasting Techniques using Python ,R and MATLAB , from 12/6/2023 to 16-6-2023 which is conducted by NIT,Trichy
- On 2023 June Mr. A. Aswin Bharath attended the national level Workshop in Innovation and Intellectual Property Rights from 12.06.23 to 17.06.23 which is organized by "Innovative Technology Enabling Centre (InTEC)" CSIR-IMMT, Bhubaneswar



PROGRAMME 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.
- 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.



- On 29/05/23 Dr.GL.Sathyamoorthy conducted the guest lecture on topic of Highway Allignment Challenges by the Er. Manuneethi, Superintending Engineer(SE)-National Highways, Coimbatore.

DA ACTIVITY:

- Build your model is organized on 28.02.23 at c124 its an fun event organized with a aim to improve the creative and quality thinking of students.Togive 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.
- Internatinal women's day is celebrated annually on March 8th to acknowledge the social, economic, cultural, and political achievements of women andto 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 asan opportunity to reflect on progress madetowards gender equality and to highlight the challenges that still need to be addressed. It is alsoa day to celebrate the contributions of women in all spheres of life, and to promote women's empowerment and leadership.
- 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 session was conducted hoping students would be aware of the importance of GIS in civilengineering feild.Hands on training was given to students making a easier way to learn.



- Placement guidance session is conducted 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 a interactive session by sharing their experience and challenges faced during interviews. The outcome of this session is clear and confident mind to approach the interview which is held on 28th march.
- Awareness on Higher studies 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 Interaction session where e the idea of whole process which held on 30th march.
- Peer learning session on Revit & SketchUp 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 conctected for more than one week from 10th April to 18th April.

PAPER PUBLISHED:

- Dr.R.Manju in collaration 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 indexedin 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."
- 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 Project national Journal of Advanced Research in Science, Communication 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)
- Aswin BharathA and Vishnu.A submitted each one paper on March 2023.
- 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.
- On May Dr. Ramsundram N submitted one paper for journal publication in the name of web of science.



- On June 2023 Dr.V. Selvan published the journal in the name of "V. Selvan ""Case Study of Multistoried Commercial Building"" "Case Report, Medwin Publishers open access Journal 8(2), DOI: 10.23880/nnoa-1600023" Medwin Publishers, open access Journal.
- On May 2023 Mr. A. Aswin Bharath published the international journal in the name of A Literature Review on Developing a Framework for Improving Quality of Supply Chain in Construction Industry in the journal of International Journal of Advanced Research in Science, Communication and Technology.





CHIEF EDITOR:



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

FACULTY EDITOR:



Mr. Aswin Bharath A
Assistant professor
Department of civil engineering



STUDENT EDITOR:



KARTHIKEYAN S
IV YEAR



RASHEEQA A
III YEAR



PAVITHRA S
III YEAR

