

KAMARAJ

COLLEGE OF ENGINEERING & TECHNOLOGY



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

DEPARTMENT OF CIVIL ENGINEERING

NEWSLETTER – JULY 2023 TO DECEMBER 2023

VISION & MISSION & QUALITY POLICY OF THE COLLEGE

- Vision** : To Make this Institution the unique of its kind in the field of **Research and Development activities** in this part of world
- Mission** : To impart highly innovative and technical knowledge to the urban and unreachable rural student folks through "**Total Quality Education**".
- Quality Policy** : Committed to impart Quality Technical Education imbued with **proficiency, human values and continual improvement.**

DEPARTMENT OF CIVIL ENGINEERING

VISION & MISSION OF THE DEPARTMENT

- Vision** : To make the department of civil engineering, unique of its kind to promote education and research in the various fields of construction industry.
- Mission** : To impart highly innovative and technical knowledge in the field of civil engineering to the urban and rural student folks through "**Total Quality Education**".

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

- PEO -1** : Graduates of the programme will analyze, investigate and design complex Civil Engineering problems by applying the fundamental knowledge of Mathematics and Science, Modern tools and Cutting edge technologies of Civil Engineering.
- PEO -2** : Graduates of the programme will continuously upgrade the domain specific knowledge to contribute for the societal benefit through Research and Development with main focus on Environment protection and Sustainability.
- PEO -3** : Graduates of the programme will prove as a competent team member as well as a successful team leader of Civil Engineering projects by making efficient documentation, presentation and execution by effectively communicating among the Engineering community and applying management principles with professional ethics.

Program Specific Outcome (PSOs)

- PSO 1** Graduating students will be able to deal complex problems in the field of Civil Engineering to achieve design solutions with modern technological approach and application software.
- PSO 2** Graduating students will be able to understand the professional Civil Engineering practice and apply contextual knowledge with the appropriate consideration of the society and environment.

ABOUT THE DEPARTMENT

The Department of Civil Engineering was started in the academic year 2009 with a sanctioned intake of 60. The Department has well equipped laboratory facilities and a team of highly qualified faculty experienced in diversified fields of Civil Engineering. The Department is specifically aiming to train the students through in plant training and industrial visits to make awareness among the students on the field problems of the construction industry. The department provides a range of value-added courses, such as 3DS MAX, PRIMAVERA, TEKLA STRUCTURES, REVIT ARCHITECTURES, etc., to meet industry demands. Students are encouraged to actively participate in co curricular and extra curricular activities. Department Conducts various placement activities such as training on Aptitude Skills, Technical skills and Refresher courses on subjects relevant to meet the industrial demands in addition to the various training programmes organized by the Training & Placement Cell. Civil engineers are trained to apply their expertise in a variety of projects, such as waste management, waste water treatment, design and analysis of residential buildings , bridges, roads, manufacturing plants, and industrial units. Currently, our alumni work for reputable domestic and worldwide companies. We also have alumni going on to higher study in esteemed colleges and universities, both in India and abroad. In order to promote industry-institute interaction, give students practically relevant skills, and provide placement opportunities, the Department of Civil Engineering has signed Memorandums of Understanding (MoUs) with a number of organizations, including Ramco Cements, NAWAD TECH, CSIR-Central Building Research Institute, and National Highways Authority of India.

FACULTY ACHEIVEMENTS

**Awards/Guest Lecture Delivered/ Acted as Resource Person in Symposium, Seminar,
Conference, FDP, Workshops/Journal Publications/NPTEL/Any Certification etc.,**

- Mr.D.Velumani and Dr.M.Subahar Registered a copyright on “Missing Line Measurement Between Two Impassable Points” - Diary No - 10976/2022-CO/L - Registration No- L-12765/2023 on 03.07.2023
- Mr.D.Velumani attended Anna University-sponsored six-day faculty development programme on "Additive Manufacturing" at Kamaraj College of Engineering and Technology, organized by Department of Mechanical Engineering from 17-07-2023 to 22-07-2023.
- Mr.D.Velumani attended a Guest lecture on “Intellectual Property and Patent Filing procedure” organized by CK College of Engg. & Tech on 28-07-2023.
- Mr.D.Velumani attended Science and Engineering Research Board (SERB) sponsored “Five Day Hands-on Workshop on Drone Survey, Photogrammetry and Digitization of Maps for Engineering Applications” organized by Presidency University, Bengaluru from 21.08.2023 to 25.08.2023.
- Mr.D.Velumani presented a paper entitled “Establishing a Permanent Benchmark at KCET Campus Using Total Station” in National Conference on Sustainable Materials and Smart Practices- NCSMS 2023 organized by Bannari Amman Institute of Technology, Sathyamangalam on 19.10.2023.
- Mr.D.Velumani participated a Webinar on "Infrastructure Resilience for Disaster Risk Reduction" organized by FORCE - Forum of Civil Engineering, Department of Civil Engineering, Presidency University, Bangalore on 27.10.2023.
- Mr.K.Hariharan participated 5 days faculty development program on “Recent Trend in Retrofitting and Rehabilitation of Structures” organized by NIT, Warangal from 30th october to 3rd November
- Mr.D.Velumani participated in National Level Webinar on “Enhancing the Service Life of RCC Structure by an Active Technique” organized by Department of Civil Engineering, Akshaya College of Engineering and Technology, Coimbatore on 06.11.2023.
- Mr.K.Hariharan published a journal titled” Utilization of Recycled Plastic Waste as Replacement of Coarse Aggregate in Pervious Paver Block” on POSITIF JOURNAL, ISSN No: 0048-4991, Volume 23, Issue 12, December 2023.
- Dr.M.Subahar and Mr.D.Velumani got Kamaraj Seed Money Grant (KSMG) of Rs.30,000/- for research project proposal entitled “Experimental Investigation on Fiber Reinforced Geopolymer Composite Incorporated with Copper Slag” on 16.12.2023.
- Mr.P.Ponkarthikeyan attended Two week National level virtual workshop on “Advanced Research Methodology” organized by SRM Institute of Science and Technology, Ramapuram from 03.07.2023 to 18.07.2023.
- Mr.P.Ponkarthikeyan presented a paper in “3rd International conference on Science, Technology and Management 2023” titled on “Vehicular pollution along KCET to Virudhunagar Highway: A Spatial and Seasonal Analysis” on 26th and 27th August 2023.

- Mr.P.Ponkarthikeyan participated in webinar on “Infrastructure Resilience for Disaster Risk Reduction” organized by Presidency University on 27.10.2023.
- Dr.N.Jegan Durai and Mr.P.Ponkarthikeyan submitted a project proposal to TNSCST under the scheme “Science & Technology projects” on the topic “A circular Economy Approach to Bioethanol production: Water Hyacinth, Wastewater and Biogas” on 14.08.2023.
- Mr.P.Ponkarthikeyan submitted a proposal to TNSCST under student project scheme on the topic “A novel approach to Indoor Air Pollution Control: Evaluating Prosopis Juliflora as a photocatalyst” on 25.09.2023.
- Dr.N.Jegan Durai, attended One week Online Faculty Development Programme on “Green Biotechnology and Bioenergy” organized by Arunai Engineering college, Tiruvannamalai, in association with Biotech Research Society, India (BRSI), Indian Society for Technical Education (ISTE) and Institutions Innovation Council (IIC), for 18.12.2023 to 24.12.2024.
- Dr.N.Jegan Durai participated in a webinar on “Adverse effects of Plastic Pollution and Sustainable alternatives to Plastic” organized by Presidency University, Bengaluru on 23.12.2023.

EVENTS ORGANIZED

FDP/Workshops/Seminar/Conference/Guest Lecture organized

Sl.No	Name of the Program	Date	Sponsoring Authority, if any	Resource Person/Chief Guest	No. of Participants	Coordinators
1	Guest Lecture	15.11.2023	Institution's Innovation Council (IIC)	Er.R.Sivakumar	55	Mr.D.Velumani & Dr.M.Subahar
2	Alumni Guest Lecture	29.08.2023	Nil	Er.M.R. Lokeshwaran Senior Section Engineer Southern Railways, Madurai	50	Mr.K.Hariharan
3	Guest Lecture	15.11.2023	Nil	Er.K.Suthasree JDO/PWD Virudhunagar	55	Dr.M.Subahar Mr.P.Ponkarthikeyan

STUDENTS ACHEIVEMENTS

Symposium/Conference/Contest/NPTEL

Si.No	Name of the Student & Year	Name of the Program	Date	Organizing Institution	Participated/Presented	Prizes Won
1	T. BALA GURU (20UCI025) S. KARTHIK RAJA (20UCI026) S. KABILAN (20UCI028)	National Conference on Sustainable Materials and Smart Practices- NCSMS 2023 organized	19.10.2023	by Bannari Amman Institute of Technology, Sathyamangalam	Presented	-
2	G.Priyanka,R. Deepadharshini, /II Civil	Model Contest-Smart City Madurai	18.08.2023 to 20.08.2023	Velammal College of Engineering & Technology	Participated	
3	G.Priyanka,R. Deepadharshini, R.Varsha/II Civil	Poster Presentation - IOT in Civil Engineering	18.08.2023 to 20.08.2023	Velammal College of Engineering & Technology	Participated	
4	K Roopath A.Janarthanan R Jothibasus S Mohamed Arshath (IV Civil)	3 rd International conference on Science, Technology and Management 2023	26 th and 27 th August 2023	Global Conference Hub, KCT Tech Park, Coimbatore	Presented	-
5	K Roopath A.Janarthanan R Jothibasus S Mohamed Arshath (IV Civil)	TNSCST SPS 2024	25.09.2023			

- K Roopath, A.Janarthanan, R Jothibasus & S Mohamed Arshath of IV Civil Engineering have submitted a project proposal to TNSCST under “Student project scheme - SPS 2024” on the topic “A novel approach to Indoor Air Pollution Control: Evaluating Prosopis Juliflora as a photocatalyst” on 25.09.2023.

CONSULTANCY

Si.No	Date	Title of Consultancy Work	Name of the Industry	Name of the Faculty Involved	Amount	Status(Completed/Ongoing)
1.	12.07.2023	Cube Compression Test	The Ramco Cements Ltd, Madurai	Dr.M.Subahar	886	Completed
2.	07.08.2023	Cube Compression Test	The Ramco Cements Ltd, Madurai	Dr.M.Subahar	886	Completed
3.	07.08.2023	Cube Compression Test	The Ramco Cements Ltd, Madurai	Dr.M.Subahar	887	Completed
4.	07.08.2023	Fly Ash Brick & Paver Block Compression Test	Badra Modern Bricks, Virudhunagar	Dr.M.Subahar	2065	Completed
5.	04.10.2023	Fibre Strip Test	Ms. G.Rohini, Mepco Schlenk Engineering college	Mr.K.Hariharan	886	Completed

OTHERS

MoU/Industrial Visit/ Internship

- Our institute has signed MoU with CSIR - Central Building Research Institute Roorkee - 247 667, on 11th July 2023. Uttarakhand, India.
- An Industrial visit has been arranged for III & IV students to Sothuparai dam and Maathur Aqueduct by Dr.M.Subahar & Mr.P.Ponkathikeyan on 03.11.2023.

PLACEMENT DETAILS

Sl. No.	Name of the Student	Roll No.	Univ. Reg. No.	Discip line	Year of Passing	On / Off Campus	Name of Employer	Salary / Annum
1	JOTHIBASU R	20UCIO04	920420UC I004	Civil	2024	On	Centizen	2.16LPA
2	JOTHIBASU R	20UCIO04	920419103002	Civil	2024	Off	Kriya & Reeths	3.8LPA
3	ROOPATH K	20UCIO17	920420UC I017	Civil	2024	Off	Aarbee Structures	2.44 - 3 LPA
4	MUGESH G	20UCIO03	920420UC I003	Civil	2024	Off	A plus R Architects	Intern (1.44L)
5	SURESHKUMAR P	20UCIO29	920420UC I029	Civil	2024	On	SS Promotors	1.44LPA
6	JAI BALAGANES H.P	20UCIO24	920420UC I024	Civil	2024	On	SS Promotors	1.44LPA
7	INBARASU J	20UCIO12	920420UC I012	Civil	2024	Off	Saraswathi Construction, Salem	1.44 LPA
8	VASANTHAS ENA V	20UCIO02	920420UC I002	Civil	2024	On	Rebar design and detail pvt ltd	2.16LPA
9	HARI VIGNESH L	20UCIO09	920420UC I009	Civil	2024	On	Rebar design and detail pvt ltd	2.16LPA
10	VASANTHAS ENA V	20UCIO02	920420UC I002	Civil	2024	On	Quintessence Business Solutions & Services Pvt Ltd (QBSS)	2.5 LPA
11	JENIFER J	20UCIO16	920420UC I016	Civil	2024	On	Quintessence Business Solutions & Services Pvt Ltd (QBSS)	2.5 LPA
12	SRIHARI K	20UCIO21	920420UC I021	Civil	2024	On	Quintessence Business Solutions & Services Pvt Ltd (QBSS)	2.5 LPA
13	SRIHARI K	20UCIO21	920420UC I021	Civil	2024	On	A plus R Architects	Intern (1.44L)