



KG REDDY

College of Engineering
& Technology

AN AUTONOMOUS INSTITUTION

Civil Light Chronicle

DEPARTMENT OF CIVIL ENGINEERING



Biannual Newsletter

January - June -2025



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<https://kgr.ac.in/civil-engineering>



hod.civil@kgr.ac.in

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LINGAMPALLI NAGA YAGNESWAR -III Year (24QM5A0120)

In This Issue

- About the Institute & Department
- Programs Organised
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- Students Achievements
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KGR Philosophy



Good education builds competence. It equips, it enables, it prepares you for anything that tomorrow brings.

But tomorrow is not a place we should wait for. We need to make it. We need to build a world we need, and not just inherit one. Technologically, industrially, economically, socially and environmentally.

This vision demands more than competence. It demands a broader view, wider perspectives, deeper capabilities, enablement and inspiration. It demands people who are capable of affecting change.

At KGR CET, we believe in nurturing this. We believe in empowering people. With academics, application, exposure, opportunity, partnerships and incubation. We believe in nurturing people so they can see the world as it should be. We believe in nurturing change makers.

Institute Vision:

- To become an institution which is internationally recognized for its holistic approach to engineering, innovative teaching and learning culture, research and entrepreneurial ecosystem, and sustainable social impact in the community.

Institute Mission:

- To offer undergraduate and post-graduate programs which are supported through industry relevant curriculum and innovative teaching and learning processes that would help students succeed in their professional careers.
- To provide faculty and students with an ecosystem that fosters innovation, research, entrepreneurship, and international exposure through strategic partnerships with government organizations and collaboration with industries.
- To provide holistic learning environment to students which will contribute to their personal and professional growth and enable them to become leaders in their respective fields.
- To contribute to the development of the region by using our technological expertise to work with nearby communities and support them in their social and economic development.



DEPARTMENT OF CIVIL ENGINEERING

Vision:

- To be recognized for excellence in teaching, innovation, and research aimed towards betterment of society through sustainable infrastructural development.

Mission:

- To integrate innovative teaching and learning practices that will enable students to build technical competence for working in civil engineering industries.
- To encourage innovation, research, and entrepreneurship among faculty and students that will lead to sustainable development.
- To become self-sustainable through strategic collaborations with industries and nearby communities focused on consultancy services.



DEPARTMENT OF CIVIL ENGINEERING



Dr. Soumya Sucharita Singha
Associate Professor and HOD

HOD's Message

The department of civil engineering college is emerging as one of the fastest growing branches by imparting quality education to the students in all the major areas of civil engineering. The department is strengthening with 4 doctorate faculties and 2 faculties are pursuing their doctorate in various reputed universities. All faculties of this B.Tech. Civil Engineering College in Hyderabad are well qualified with experience both teaching and industry.

The department is forecasting the vision of the college and striving hard for making students technically excellent, culturally vibrant, socially responsible and globally competent. The students are exposed to practical real time studies there by training them to analyze and provide solution for the same. Along with curricular, students are trained in all dimensions by means of seminar, workshops, Hands on work, technical talks, industrial visit, internships, site visit and many more. This provides a well built platform to enhance their enthusiasm and practical knowledge, which makes them to be confident to tackle any civil engineering challenges and be advanced and innovative with the growing technology.



Program Outcomes

PO1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems.

PO2. Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.

PO4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling to complex engineering activities, with an understanding of the limitations.

PO6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7. Environment and sustainability: Understand the impact of the professional Engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10. Communication: Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



Program Educational Objectives:

PEO1: Graduates will be able to work in multidisciplinary teams focused on development of infrastructure, design, sustainability, construction management and all the other related fields of Civil Engineering.

PEO2: Graduates will be professionally competent through their ability to use modern civil engineering tools and manage projects in leadership positions.

PEO3: Graduates will transform into change makers who will work towards societal development and advocate for equity, social justice, and sustainable development.

Program Specific Outcomes:

PSO1: Graduates will be able to plan, analyze, design safe and sustainable green infrastructure.

PSO2: Graduates will be able to utilize the latest software tools for modeling and simulation in the field of civil engineering.

PSO3: Graduates will be able to work in multidisciplinary teams to design, develop and promote smart construction related.

DEPARTMENT OF CIVIL ENGINEERING



Dr. Soumya Sucharita Singha
Associate Professor & HOD



Dr V Srinivasa Reddy
Professor



Dr. K. SaiKumar Chary
Professor



Mr. M Rathna Chary
Assistant Professor



Mr. Thangamani K
Assistant Professor



Mr. Jagadish S
Assistant Professor



Mr. Miryala Vijayakumar
Assistant Professor



Mr. Venkata sai prasad
Assistant Professor



Mr. Mahantesh N Paruti
Assistant Professor



Ms. K. Hima Bindu
Assistant Professor



Mr G.Anvesh
Assistant Professor



Mr G.Ravikumar
Assistant Professor

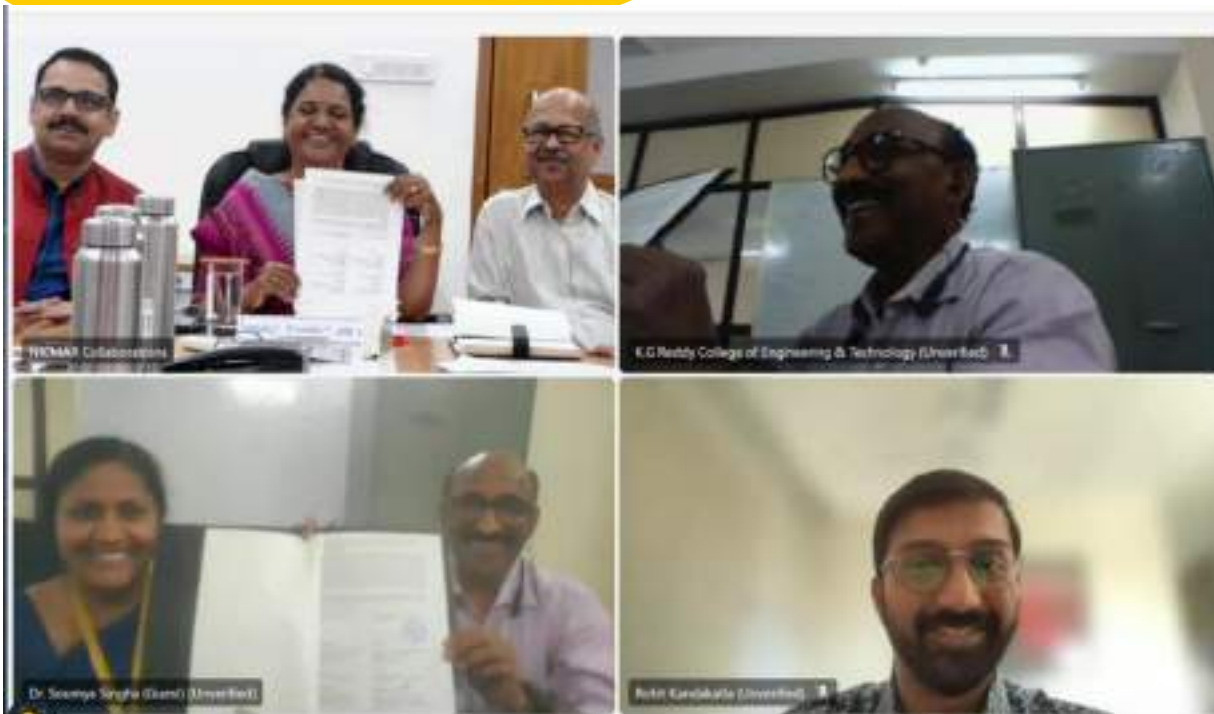


Mrs. P. Rajitha
Assistant Professor



Programs Organised

Memorandum of Understanding (MoU) with NICMAR University



The Department of Civil Engineering, K.G. Reddy College of Engineering & Technology, is delighted to announce the signing of a Memorandum of Understanding (MoU) with NICMAR University, Pune, on January 23, 2025.

NICMAR University, renowned for its excellence in construction management, infrastructure development, and project management education, collaborates with our institution to enhance academic, research, and industry-oriented learning for our civil engineering students and faculty.

DEPARTMENT OF CIVIL ENGINEERING



Mastering Course Content Development Industry Specific Strategies for Effective course Content Design



Dr. Soumya Sucharita Singha, Associate Professor and HOD Presented her Strategies of Professional Course Design by interactive Discussion with Industrial Experts and Board of Study(BOS) members of Civil Department in One Day Workshop on “Mastering Course Content Development Industry Specific Strategies for Effective course Content Design held on 18th January 2024



Industry Expert Discussion on BIM and Revit Architecture Certification



The Department of Civil Engineering, K.G. Reddy College of Engineering & Technology, recently held an insightful discussion with Mr. Sai Charan from DEIGNSLABS (Autodesk) on enhancing industry-oriented learning. The discussion focused on framing the syllabus for Building Information Modelling (BIM) and introducing a Certification Course on Revit Architecture. This initiative aims to equip students with cutting-edge skills in digital construction, architectural modeling, and design automation, aligning with industry demands. The collaboration will ensure hands-on training and exposure to Autodesk tools, preparing students for global opportunities in BIM technology and architectural design.



Driving Sustainability: One-Day Workshop on Green Innovations in Construction



Sustainability is the future of construction! Department of Civil Engineering has privilege of organizing a one-day workshop on Green Innovations in Construction in collaboration with Chettinad Cement Pvt. Ltd. and the IGBC Student Chapter at KG Reddy College of Engineering and Technology.

The session was led by Faculty Coordinator Mr. G. Ravi Kumar, Assistant Professor, and Mr. Mavul Rao, AGM, Chettinad Cement Pvt. Ltd., who shared invaluable insights on sustainable building materials, energy-efficient construction practices, and the latest green innovations shaping the industry.

Dr. Soumya Sucharita Singha, Associate Professor and Head of the Department (HOD) - Civil Engineering, addressed the participants and emphasized the importance of the workshop. A special highlight of the event was the visit of Chettinad Cement's Mobile Lab Vehicle, which provided students with a hands-on experience in cement quality testing, material analysis, and advanced construction technologies. It was an incredible opportunity to bridge theory with real-world applications!

It was an enriching experience for students and faculty alike, fostering awareness about the need for eco-friendly construction solutions. A big thank you to Chettinad Cement Pvt. Ltd., IGBC, and everyone who participated in making this event a success!

Let's continue working towards a greener, more sustainable future in construction.



Guest lecture on "Green Buildings - Towards Sustainable Infrastructure"

Guest Lecture
On
Green Buildings - Towards Sustainable Infrastructure
Co-Ordinator:
Mr K. Saikumar Chary
Target Audience:
Civil Engineering Students
Date: 14-02-2025
Time: 01:00 P.M. to 04.00 P.M.
Mode: Online

Dr. V.V Praveen Kumar
Associate Professor and HoD, Civil Engg.
Geethanjali College of Engineering and Technology

Organized by : Department of Civil Engineering in Association



The Department of Civil Engineering at KG Reddy College of Engineering & Technology, in collaboration with the IGBC Student Chapter and Green Construction Club, is organized a Guest lecture on "Green Buildings - Towards Sustainable Infrastructure" on February 14, 2025, from 01:00 P.M. to 04:00 P.M. (Online). This session, coordinated by Mr. K. Saikumar Chary, is exclusively for Civil Engineering students and will be delivered by Dr. V.V. Praveen Kumar, Associate Professor and HoD, Civil Engineering, Geethanjali College of Engineering and Technology. The lecture will focus on the significance of sustainable construction, eco-friendly infrastructure, and the role of engineers in achieving sustainable development goals (SDGs), including clean energy, climate action, and smart cities. Students will gain valuable insights into green building practices and their impact on a more sustainable future.



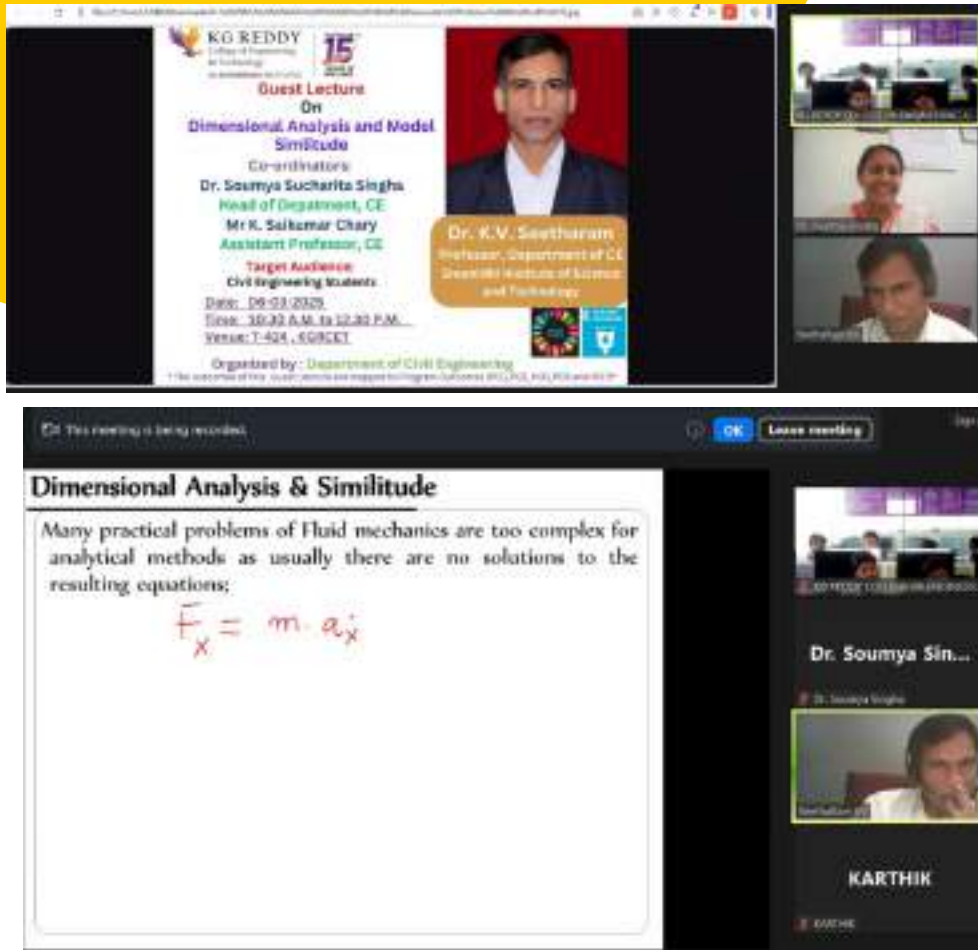
Three-Day Workshop on Exploring 2D & 3D Modelling Tools for Design & Construction



The Three-Day Workshop on Exploring 2D & 3D Modelling Tools for Design & Construction was successfully conducted from 6th to 8th February 2025 by the Department of Civil Engineering. Around 50 students actively participated in the sessions, gaining insights into the latest modelling and design tools used in civil engineering. The program began with Mr. G. Anvesh, Assistant Professor and Workshop Coordinator, introducing all the esteemed guests. The inaugural session was graced by Dr. Soumya Sucharita Singha, Associate Professor and Head of the Department (HOD) - Civil Engineering, who addressed the participants and emphasized the importance of technological advancements in Civil Engineering. The sessions covered job opportunities, structural drawing analysis, surveying techniques, and software training on tools like AutoCAD, SketchUp, and 3DS Max. The combination of expert lectures and hands-on practice provided students with a comprehensive learning experience.



Guest Lecture on Dimensional Analysis and Model Similitude



The Department of Civil Engineering, KG Reddy College of Engineering & Technology (KGRCT) successfully organized a Guest Lecture on "Dimensional Analysis and Model Similitude" on March 6, 2025. The event was graced by Dr. K.V. Seetharam, Professor, Department of Civil Engineering, Sreenidhi Institute of Science and Technology, who delivered an insightful session on the topic.

The session was coordinated by Dr. Soumya Sucharita Singha, Head of the Department (CE), and Mr. K. Saikumar Chary, Assistant Professor (CE). The lecture was aimed at Civil Engineering students and provided valuable knowledge on fundamental principles of dimensional analysis and similitude, which are essential for experimental modeling in engineering.

Held at T-424, KGRCT, from 10:30 AM to 12:30 PM, the session covered key concepts related to modeling techniques, scale factors, and their applications in structural and fluid mechanics. Dr. Seetharam shared real-world examples and case studies, emphasizing the importance of accurate model testing in engineering design and research.

This guest lecture was mapped to the Program Outcomes (PO1, PO2, PO3, PO5, and PO7), ensuring that students gained both theoretical and practical insights aligned with their academic curriculum and the Sustainable Development Goals (SDG 6 – Clean Water and Sanitation).

The Department of Civil Engineering extends its gratitude to Dr. K.V. Seetharam for his valuable time and knowledge. The event was a great success, enriching students' understanding of model-based analysis in Civil Engineering.



2. Guest Lecture on "Overview of Railway Engineering"

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15
YEARS OF
EXCELLENCE

Guest Lecture
On
Overview on Railway Engineering

Co-ordinators:
Mr M. Rathna Chary
Assistant Professor, CE

Department Head:
Dr. Soumya Sucharita Singha

Target Audience:
Civil Engineering Students

Date: 08-03-2025
Time: 02:00 P.M. to 4.00 P.M.
Venue: Online

Mr. B Mahesh
(Pursuing Ph.d at Osmania University)
Assistant Professor, Department of Civil
Engineering,
Vignan Institute of Technology and Science,
Hyderabad

Organized by : Department of Civil Engineering

* The outcomes of this Guest Lecture are mapped to Program Outcomes IPO1, PO2, PO3, PO6 and PO10*

The Department of Civil Engineering, KG Reddy College of Engineering & Technology (KGR CET), successfully organized an online guest lecture on "Overview of Railway Engineering" on March 8, 2025. The session was delivered by Mr. B. Mahesh, Assistant Professor, Department of Civil Engineering, Vignan Institute of Technology and Science, Hyderabad, who is currently pursuing a Ph.D. at Osmania University.

The event was coordinated by Mr. M. Rathna Chary, Assistant Professor, CE, and was specially designed for Civil Engineering students to enhance their knowledge of railway infrastructure, planning, design, and operations.

The lecture, held from 2:00 PM to 4:00 PM in an online mode, covered fundamental aspects of railway track components, alignment, signaling, and modern advancements in railway engineering. Mr. Mahesh provided an in-depth understanding of railway network expansion, safety measures, and sustainable railway development in alignment with global engineering practices.

This guest lecture was mapped to the Program Outcomes (PO1, PO2, PO3, PO6, and PO10), ensuring that students gained critical insights into technical problem-solving, design considerations, environmental impact assessments, and communication skills relevant to railway projects.

The Department of Civil Engineering extends its sincere appreciation to Mr. B. Mahesh for his informative session and valuable contributions. The event was well-received by the participants, enriching their knowledge of Railway Engineering and its role in modern infrastructure development.



Successful Industrial Visit by 3rd Year Civil Engineering Students



We are pleased to share that 40 students of 3rd Year Civil Engineering, through the IGBC Student Chapter and Green Construction Club, have successfully completed their industrial visit to CII - Indian Green Building Council (IGBC), Hyderabad on 29th April 2025.

The visit, coordinated by Mr. K. Saikumar Chary and Mr. G. Anvesh, provided students with valuable exposure to sustainable building practices, green rating systems, and innovative technologies in construction.



Student-Parent Meeting on Attendance and Counselling – Civil Engineering Department



The Department of Civil Engineering organized a Student-Parent Meeting to address the issue of attendance shortage among students. The meeting was conducted under the guidance of Dr. Soumya Sucharita Singha, Associate Professor and Head of the Department, and was attended by concerned students along with their parents.

During the session, Dr. Soumya Sucharita Singha emphasized the importance of regular attendance, academic discipline, and consistent engagement in academic activities. Detailed insights into each student's attendance and performance were shared, and the underlying causes for absenteeism were discussed constructively.

The department also arranged counseling support for students, focusing on improving time management, motivation, and goal orientation. Parents were encouraged to play an active role in their ward's academic progress and personal development.

This proactive initiative underscores the department's commitment to nurturing responsible, well-rounded students through continuous support and collaboration with parents.

DEPARTMENT OF CIVIL ENGINEERING



Industrial Visit to Phoenix P25 Triton High-Rise Project – A Valuable Learning Experience for B.Tech Civil Engineering Students



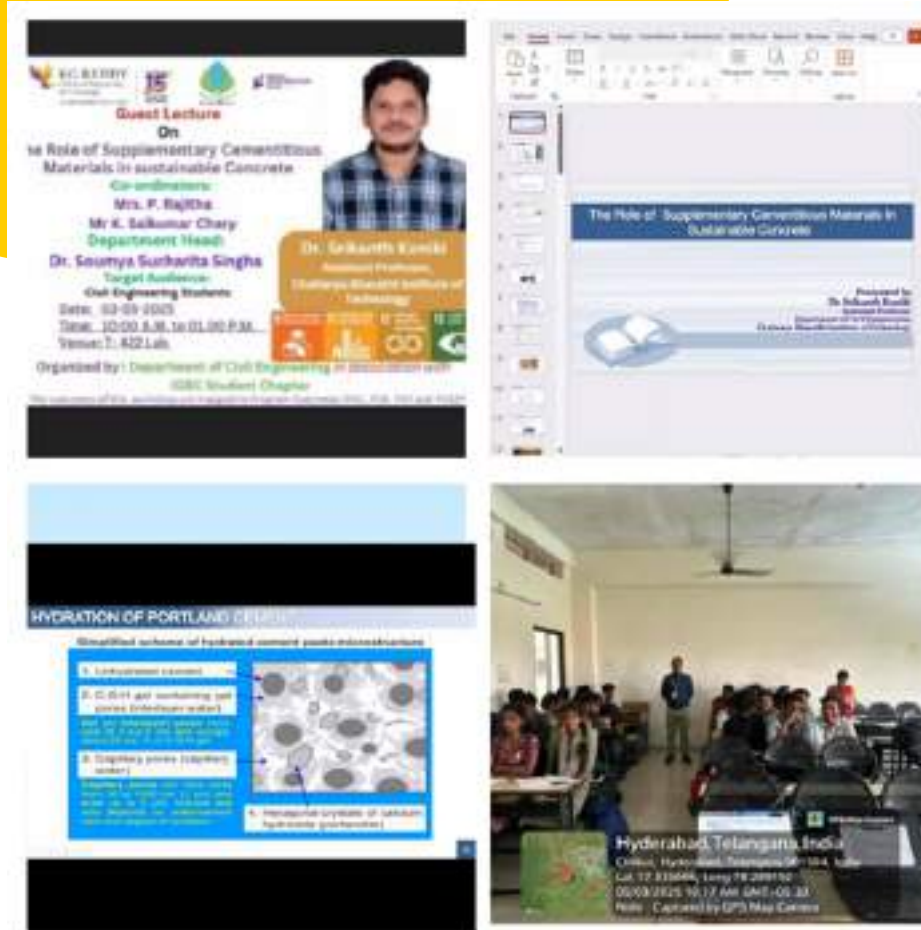
The Department of Civil Engineering, KG Reddy College of Engineering and Technology, organized an industrial visit for B.Tech 3rd year students to the prestigious Phoenix P25 Triton Project—the tallest commercial high-rise building project in the region, located at Puppalaguda, Hyderabad.

The visit was graciously facilitated by Mr. Gunes Badracki, Project Manager at Phoenix Group, along with his dedicated project team. They provided an in-depth walkthrough of the site and shared detailed explanations of various structural and architectural elements involved in the high-rise construction. The students gained practical exposure to real-time construction methodologies, safety protocols, and project management techniques employed in such a large-scale infrastructure development.

Dr. Soumya Sucharita Singha, Associate Professor and Head of the Department of Civil Engineering, accompanied the students during the visit and motivated them to make the most of this valuable learning opportunity through direct interaction with site engineers. This immersive educational visit significantly enhanced the students' understanding of modern high-rise construction and reinforced the importance of bridging classroom learning with on-site practical experiences.



Guest Lecture on "The Role of Supplementary Cementitious Materials in Sustainable Concrete"



The Department of Civil Engineering, KG Reddy College of Engineering and Technology, organized an insightful online guest lecture titled "The Role of Supplementary Cementitious Materials in Sustainable Concrete" on 3rd May 2025 for II-Year, II-Semester B.Tech students.

The session was delivered by Dr. Srikanth Koniki, Assistant Professor, Department of Civil Engineering, CBIT, Hyderabad. Dr. Koniki shared his expertise on the importance of using supplementary cementitious materials (SCMs) such as fly ash, slag, silica fume, and metakaolin to improve the durability and sustainability of concrete. His presentation emphasized how SCMs contribute to reducing the carbon footprint of construction activities while enhancing the performance of concrete in various structural applications.

A total of 32 students actively participated in the session, gaining valuable knowledge on sustainable practices in civil engineering.

Mrs. P. Rajitha and Mr. K. Sai Kumar Chary, Assistant Professors from the Department of Civil Engineering, coordinated the session. Their efforts in organizing this session contributed to the students' academic enrichment and understanding of eco-friendly construction materials.



PBA Presentations and Green Campus 3D Model Showcase by Civil Engineering Students



The Department of Civil Engineering, KG Reddy College of Engineering and Technology, is delighted to share the successful completion of the Project-Based Activity (PBA) presentations, conducted in the college seminar hall. A major highlight of the session was the unveiling of the innovative KGR CET Green Campus 3D Model, meticulously designed by our 2nd and 3rd-year students using Autodesk Revit Architecture and Lumion software.

This creative project reflects the students' technical skills and vision for sustainable design, giving a realistic 3D representation of a green and smart campus. The event was smoothly organized and concluded with the distribution of course completion certificates to the participants.

We are proud to announce that a total of 95 students successfully completed the Autodesk Revit Certification Course. Their dedication and commitment to learning this advanced design tool is truly commendable.

The Department sincerely appreciates the collaborative efforts of all students and faculty involved. Every member carried out their responsibilities efficiently, which played a key role in completing the presentations within the given timeline.

Special appreciation goes to:

- Mr. Anvesh and Mrs. P. Rajitha, Faculty Coordinators of the Certification Course
- Mr. Anvesh and Mr. Mahantesh, PBA Coordinators
- Jagadish Sir, APRC Coordinator, and all PRC Members for their continuous support
- Rathnachary Sir, for capturing and preserving the memorable moments of the event

We also extend our sincere thanks to our Director, the Principal, Vice Principal, and Dean - Training & Placement for their consistent encouragement and unwavering support in successfully conducting this certification course for our students. Their guidance played a crucial role in enabling us to provide valuable industry-oriented learning opportunities to our students. - Dr. Soumya Sucharita Singha, Associate Professor and Head, Department of Civil Engineering.



Farewell Celebration: A Heartfelt Send-Off to Final Year Civil Engineering Students



The Department of Civil Engineering, KG Reddy College of Engineering and Technology, organized a warm and memorable farewell celebration where 3rd-year students bid an affectionate farewell to their seniors of the 4th year. The event took place with great enthusiasm, laughter, and a sense of nostalgia, as students came together to honor the journey and accomplishments of the outgoing batch. The celebration featured heartfelt speeches, cultural performances, and moments of reflection, creating lasting memories for everyone involved. As a gesture of gratitude and appreciation, the final year students expressed their sincere thanks to the department and faculty for their unwavering support throughout their academic journey.

A special highlight of the event was the felicitation of Dr. Soumya Sucharita Singha, Associate Professor and Head of the Department of Civil Engineering. The students and staff recognized her exceptional leadership, guidance, and dedication in shaping the academic and professional growth of the students.

The farewell served not only as a celebration of achievements but also as an emotional moment of transition, wishing the final-year students great success in their future endeavors.

DEPARTMENT OF CIVIL ENGINEERING



Department of Civil Engineering secured Conference grant under AICTE-VAANI Scheme 2025-26

 Phone: 011-26131577 - 78, 88 011-29581000 Website: www.aicte-india.org	 सत्यमेव जयते	अखिल भारतीय तकनीकी शिक्षा परिषद् (एनएनएमएन के एनएन) अधिनियम विधान) (विश्व शैक्षणिक, उत्तम शैक्षणिक) नेशनल मंडेला मार्ग, वाजपेयी कुर्नि, नई दिल्ली-110070 ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A Statutory Body of the Govt. of India) (Ministry of Education, Govt. of India) National Mandela Marg, Vasant Kunj, New Delhi-110070
TRAINING AND LEARNING BUREAU Approval Letter		
F. No. AICTE/VAANI/2,0/2025-26/180/2876808732		Date-20/06/2025
To K.G.REDDY COLLEGE OF ENGINEERING & TECHNOLOGY CHIEKUR(VILLAGE), MOINABAD(MANDAL) RANGAREDDI,TELANGANA 501504		
Sub: Intimation of approval of your proposed Conference under AICTE-VAANI Scheme for the Academic Year 2025-26		
Sir/Madam,		
This is to convey the approval of the Competent Authority of the Council for conduct of your proposed Conference titled Energy, Sustainability & Climate Change , under AICTE-VAANI scheme in offline mode. A maximum of Rs. 2,00,000/- (Rupees Two Lakh Only) would be reimbursed upon completion of the program & submission of the mandatory documents for conducting of gifting AICTE-VAANI (Vibrant Advocacy for Advancement and Nurturing of Indian Languages) scheme as per details given below:		
1.	Name of the Beneficiary Institute (University/College/Institute)	K.G.REDDY COLLEGE OF ENGINEERING & TECHNOLOGY, TELANGANA
2.	Address	CHIEKUR(VILLAGE) MOINABAD(MANDAL) RANGAREDDI TELANGANA 501504
3.	Application ID	2876808732
4.	Name of the Coordinator	Dr. Sourya Sucharita Singha
5.	Name of the Co-Coordinator	Dr V Srinivasa Reddy
6.	Permanent ID of Institute	1-3603771
7.	Thrust Area	Energy, Sustainability & Climate Change
8.	Title of VAANI	Sustainable Water and Waste Solutions for Resilient Rural and Urban Communities
9.	Language for Program	Telugu
10.	Program Date (MM/DD/YYYY)	9/2/2025
11.	Maximum Amount Sanctioned	Rs. 2,00,000/- (Rupees Two Lakh Only)

 **एनएनएमएन के एनएन**
विश्व शैक्षणिक

DEPARTMENT OF CIVIL ENGINEERING



Department of Civil Engineering secured Conference grant under AICTE-VAANI Scheme 2025-26



We are delighted to announce that the Department of Civil Engineering at KG Reddy College of Engineering and Technology, under the leadership of Dr. Soumya Sucharita Singha (Coordinator & HOD) and Dr. V. Srinivasa Reddy (Co-Coordinator & Professor), has been awarded a prestigious AICTE VAANI Scheme grant of ₹2 lakhs to organize an offline conference. This significant achievement highlights the department's commitment to advancing academic discourse and promoting research-driven knowledge sharing.

This grant is part of KGR CET's broader success, with a total of four Atal FDP/Seminar grants secured during this academic year. The institution congratulates the Civil Engineering team for their dedication and commendable efforts in securing national-level recognition.

A special highlight of the event was the felicitation of Dr. Soumya Sucharita Singha, Associate Professor and Head of the Department of Civil Engineering. The students and staff recognized her exceptional leadership, guidance, and dedication in shaping the academic and professional growth of the students.

The farewell served not only as a celebration of achievements but also as an emotional moment of transition, wishing the final-year students great success in their future endeavors.



Tree Plantation program



The KGR CET NSS Units, along with the Department of Civil Engineering, organized a tree plantation event through the IGBC Student chapter in celebration of World Environment Day. This initiative saw participation from Principal Dr. Sai Satyanarayana Reddy, Vice Principal Dr. M.N. Narasaiah, Head of the Civil Engineering Department Dr. Soumya Sucharita Singha, Dr. Srinivasa Reddy, NSS Program Officer Mr. M. Rathna Chary, and Dr. Saikumar Chary as well as faculty and students. The principal emphasized that engaging in such activities is essential for environmental protection, which in turn safeguards our well-being



Guest Lecture on “Work Energy Principle in Applied Mechanics”



The Department of Civil Engineering at KG Reddy College of Engineering and Technology organized an insightful guest lecture on the topic “Work Energy Principle in Applied Mechanics” for first-year civil engineering students on Thursday, June 5th, 2025, from 10:00 AM to 11:00 AM.

The session was led by Dr. M. Durga, Associate Professor at Vignan Institute of Technology and Science, Hyderabad. Dr. Durga delivered a comprehensive overview of the Work Energy Principle and its practical applications in the field of Applied Mechanics, making the concepts accessible and engaging for budding engineers.

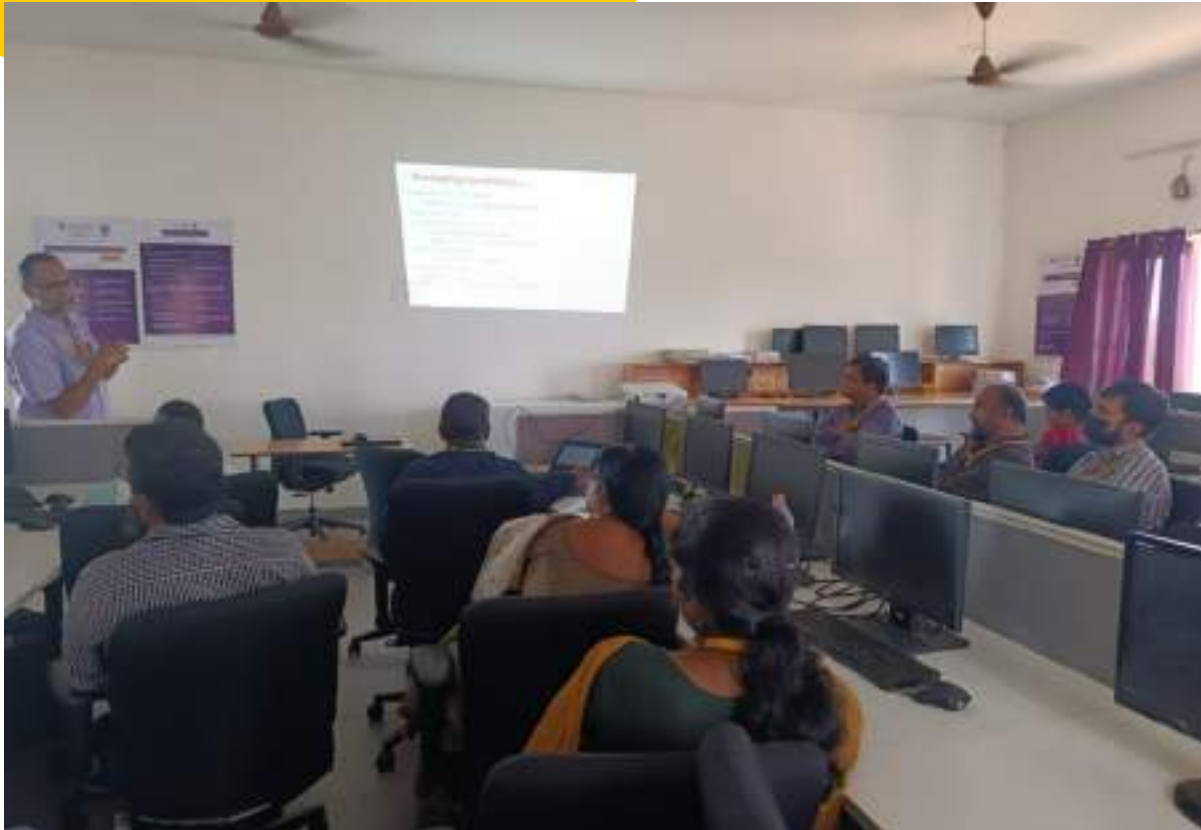
This academic initiative was coordinated by Mr. M. Rathna Chary, Assistant Professor, Department of Civil Engineering. The event saw the enthusiastic participation of approximately 20 students, who benefited greatly from the expert insights and interactive discussion.

We extend our heartfelt gratitude to Dr. Soumya Sucharita Singha, Head of the Department, for her unwavering support and encouragement in organizing such value-added learning experiences. The department looks forward to conducting more such sessions that bridge foundational theory with real-world understanding.



Research and Development

Expert Talk by Dr. V. Srinivasa Reddy on Bridging Academia and Industry through Consultancy



The Department of Civil Engineering takes pride in highlighting the contribution of Dr. V. Srinivasa Reddy, Professor, who was invited as a guest speaker for an awareness session organized by the Department of Electronics and Communication Engineering in collaboration with the Center for Research Innovation and Development (CRID).

The session, titled "Role of Consultancy Projects in Bridging Academia and Industry," was held on 3rd June 2025, from 11:00 AM to 1:00 PM, and was well-attended by faculty members and CRID coordinators across departments.

Dr. Reddy shared his insights and experiences on the significance of consultancy in enhancing institutional reputation, encouraging faculty-industry engagement, and exposing students to real-world engineering challenges. His presentation emphasized how consultancy initiatives can drive applied research, generate funding, and foster meaningful collaborations with industry stakeholders.

The Department congratulates Dr. V. Srinivasa Reddy for his impactful session and for representing Civil Engineering in an interdepartmental knowledge-sharing platform.

DEPARTMENT OF CIVIL ENGINEERING



Number of Papers Published in Journal	Number of Papers Published in Conference Proceedings	No. of Patents Published/Granted	No. of Projects received Grant
1	18	1	3

Research Funding Projects/Schemes

Investigator Name	Title of the Project	Funding Agency & Scheme	Approved Amount (Rs)	Duration	Sanction Year	Status
Dr. Soumya S. Singha (Co-PI)	AI/ML-based Qualitative and quantitative assessment of groundwater in Raipur district, Chhattisgarh, Central India	DST-SERB, CRG, Govt. of India	29,81,264	3 years	2024	Granted
Dr. TS Ramesh Babu (Co-PI)	Enhancing livelihood of ST farmer community in bheelyanaikthada by development of post-harvest preservation Ecosystem for horticultural crops and flowers	DST-SEED	39, 70, 107	3 Years	2024	Granted

Faculty Completed Ph.D Course work

Name of faculty	Specialization	Month and Year of Registration
Mr. K. Thangamani	Geotechnical Engineering	January 2024
Mr. M Vijayakumar	Structural Engineering	June 2024
Mr M. Rathna Chary	Structural Engineering	June 2024
Mr. G. Venkata Sai Prasad	Geotechnical Engineering	June 2024



Faculty Journal/ Conference Publications in 2024

S. No	Name of the Author(s)	Title of the Paper	Name of the Journal/Conference	Scopus/SCI/Other
1	Dr. Durga M	Experimental Investigation On M25 Grade Novel Pervious Concrete With The Addition Of Fly Ash And Silica Fume As Admixture	Journal of the Balkan Tribological	Scopus
2	Mr. G Venkata Sai Prasad	Enhancement Penetration Resistance of Load by Using Coconut Coir Fiber and Copper Slag for Unpaved Roads	Lecture Notes in Civil Engineering (Springer)	Scopus
3	Dr. Durga M	Analysis of IoT and Artificial Intelligence Smart Transportation System Application Technology	Institute of Electrical and Electronics Engineers Inc.	Scopus
4	Ms. Himabindu K	Experimental studies on mechanical properties of copper slag reinforced concrete beams under static loading	AIP Conference Proceedings	Scopus
5	Mr. G Venkata Sai Prasad	Experimental study on eco-bricks for construction	AIP Conference Proceedings	Scopus
6	Mr. M Rathnachary	Properties of concrete by partial replacement of cement by using sawdust and eggshell powder material Metakaolin	AIP Conference Proceedings	Scopus
7	Dr. Durga M	Experimental and Statistical Study of Flexural Strength in Ternary Blended High-Performance Concrete using Alkofine	E3S Web of Conferences	Scopus
8	G Venkata Sai Prasad	Determination of the estimated cost based on aggregated unit prices using information modeling (BIM) and text mining technologies	E3S Web of Conferences	Scopus
9	Thangamani K	Study on permeability characteristics of different soils in landfill	AIP Conference Proceedings	Scopus
10	Mrs. G Mounika Naidu	Stabilization of petroleum contaminated red soil by using lime	AIP Conference Proceedings	Scopus
11	Ms. K Himabindu	Influence of Nanoparticles on the Mechanical and Durability Properties of Concrete: A Microstructural Analysis	E3S Web of Conferences	Scopus
12	Dr. Soumya Singha	Investigation of Cu Doping Concentration on the Structural and Antimicrobial Properties of TiO ₂ Thin Films	E3S Web of Conferences	Scopus
13	Dr. V Srinivasa Reddy	Comparative of Synthesis Nanoparticles Using Various Reduction Methods: Size Control, Stability, and Environmental Considerations	AIP E3S Web of Conferences	Scopus
14	Mr. M Vijaya Kumar	Diffusion Dynamics of Rhodamine B Through Layered Silk Fibroin Hydrogels Reinforced with Polyethylene Terephthalate Nonwoven	AIP E3S Web of Conferences	Scopus
15	Mr. Jagadish SH	Diffusion and Interaction Studies of Dye in Agarose Hydrogel Enriched with TiO ₂ Nanoparticles: A Temperature-Dependent Analysis	E3S Web of Conferences	Scopus
16	Mr. Rathnachary M	Enhanced Thermoelectric Performance of Poly(3,4-ethylenedioxythiophene) and Graphene/Poly(3,4-ethylenedioxythiophene) Composites via Vapor Phase Polymerization	E3S Web of Conferences	Scopus
17	Ms. K Himabindu	Influence of Nanoparticles on the Mechanical and Durability Properties of Concrete: A Microstructural Analysis	E3S Web of Conferences	Scopus
18	Mr. G Prasad	Improving Mechanical Properties of Poly(ethylene oxide) Composites Using RAFT-Modified SiO ₂ Nanoparticles	E3S Web of Conferences	Scopus
19	Mr. Thangamani K	Antimicrobial Properties of Ion-Modified Zeolite Composites: A Study on Biofilm Inhibition and Bacterial Cell Viability	E3S Web of Conferences	Scopus



Faculty Achievements



Ms. Kotha Hima Bindu, Assistant Professor, KGR CET was recognized as a Reviewer for the Twelfth International Conference on Transformations in Engineering Education (ICTIEE 2025) at VNR VJIET, Hyderabad, in association with IUCEE, from January 8 to 10, 2025



Ms. Kotha Hima Bindu, Assistant Professor from KGR CET, Department of Civil engineering, was honored with the prestigious title of "IGIP International Engineering Educator" by the International Society for Engineering Pedagogy (IGIP). The recognition was conferred by IGIP President, Prof. Dr. Tiia Ruutmann, in Europe.



Ms. Kotha Hima Bindu, Assistant Professor at KG Reddy College of Engineering and Technology, Hyderabad, Telangana, received the Individual Honorary Membership Award at the International Conference on Transformations in Engineering Education (ICTIEE) 2025. The conference was organized by the Indo Universal Collaboration for Engineering Education (IUCEE) Foundation and held at VNRVJIET, Hyderabad, from January 8th to January 10th, 2025.

DEPARTMENT OF CIVIL ENGINEERING



Ms.K.Hima Bindu &Mr.G.Venkata Sai Prasad Participated and attended ICITEE 2025 Conducted by IUCEE Foundation held in VNRVJIET Hyderabad



Ms.K.Hima Bindu ,Assistant Professor from KGR CET has Successfully Completed AICTE FDP on “Innovative Approaches to Disaster Management and Resilient Infrastructure” held at ATME Engineering college from 9th December 2024 to 14th December 2024



Ms.K.Hima Bindu,Assistant Professor from Civil Engineering Department Delivered 2 sessions as a Resource Person on 23rd January 2025 on Topic “ICAP PEDAGOGIES and its Implementation Procedure in Engineering Classrooms” in the Workshop on Implementation of Student Centered Learning in Engineering Classroom held in KGR CET from January 20th to 25th 2025 .

DEPARTMENT OF CIVIL ENGINEERING



Mrs.Rajitha, Assistant Professor from Civil Engineering Department presented her reflections from One week Workshop on 25th January 2024.



Ms.K.Hima Bindu &Mr.G.Venkata Sai Prasad , Assistant Professor's from Civil Engineering Department,KGR CET Presented their ICITEE 2025 Reflections in Board Room in the Conclave conducted by Centre for Engineering Education Development (CEED) on 30th January 2025 .



Mr.M.Rathna Chary ,Assistant Professor from Civil Engineering Department Delivered a session on "Importance of Student Centric Activities in Classrooms" on 23rd January 2025 in One week SCL Workshop .

DEPARTMENT OF CIVIL ENGINEERING



The Gandhi Medical College Alumni Association, in collaboration with the Gandhi Medical College Global Alliance and Janatha Seva Trust, has organized a three-day program from January 19 to January 21, 2025, at the GMC-Alumni Education Center. This event, titled "Celebrating 25 Years of Resuscitation Training by GMC Alumni," will offer free training in Community Hands-Only CPR, primarily aimed at young students Faculty from civil department Ratna Chary has participated and played a active role in the session . The training sessions will be led by esteemed resource persons, including Dr. Rajasheker Kollipara, Director of Community CPR and Secretary of GMCGA; Dr. Maheshwar Parvat Reddy, AHA Program Director of GMCAA: Dr. Ram Pasupuleti, President of GMCGA; and Dr. G.R. Lingamurthy from GMCAA. Approximately 1,000 students were participated and they received participation certificates and snacks followed the sessions.



Innovation Ambassador Training Certification – Foundation Level

We are proud to announce that Gunjuluri Anvesh from K.G. Reddy College of Engineering & Technology, Telangana, has successfully completed the Innovation Ambassador (IA) Training – Foundation Level conducted by MoE's Innovation Cell (Government of India) & AICTE.

This prestigious certification involved 16 sessions totalling 30 contact hours, delivered in an online mode as part of the Institution's Innovation Council (IIC) Calendar Year 2024-25. The training equips ambassadors with essential skills in innovation, entrepreneurship, and startup ecosystem development, empowering them to mentor students and drive innovative initiatives within the institution.

This achievement reinforces our commitment to fostering an innovation-driven academic environment and strengthening our contributions to India's growing innovation landscape.



Faculty Achievement: National Level Training on JAVA Full Stack & AI

The Department of Civil Engineering, K.G. Reddy College of Engineering & Technology, congratulates Mahantesh N. Paruti for successfully completing the National Level Short-Term Training Program (2K24) on JAVA Full Stack with React JS & AI.

The program, organized by Dr. V.R.K. Women's College of Engineering & Technology in association with Brainvision Solutions India Pvt. Ltd., Hyderabad, and AICTE, was held from December 2nd to December 22nd, 2024. This training provided in-depth knowledge and hands-on experience in Java Full Stack development, React JS, and Artificial Intelligence, fostering expertise in modern software technologies.

We commend Mahantesh N. Paruti for this significant achievement and for staying ahead in the ever-evolving field of technology. Such initiatives contribute to enhancing the academic ecosystem and ensuring that faculty remain equipped with the latest industry trends.



Faculty from the Civil Engineering department, including Dr. Soumya Sucharita Singha, Associate Professor & HOD; Dr. V. Srinivasa Reddy, Professor; Mr. M. Rathna Chary, Assistant Professor; Mr. Venkata Sai Prasad, Assistant Professor; Mr. G. Anvesh, Assistant Professor; and Mrs. P. Rajitha, Assistant Professor, successfully participated in a one-day workshop on Outcome-Based Education (OBE) conducted by Prof. Kanmani at KGRCEET. The workshop was organized by the Center for Engineering Education Development (CEED) and provided valuable insights into the principles and implementation of OBE. It emphasized the importance of aligning curriculum design, assessment strategies, and learning outcomes to enhance student competencies. The interactive discussions and practical examples shared during the workshop enriched participants' understanding of effective teaching-learning methodologies, fostering a student-centric approach to education.



Faculty Participation in FDP on Next-Gen AI and Machine Learning

Mr. Garapati Venkata Sai Prasad, Mr. Miryala Vijayakumar & Mr. Mudigonda Rathna Chary, Assistant Professors at KG Reddy College of Engineering and Technology, successfully participated in a five-day online Faculty Development Program (FDP) titled "Next-Gen AI and Machine Learning: Advances in Cybersecurity, Healthcare, and Automation." The FDP, organized by the Office of PhD Program, SR University, Warangal, Telangana, was held from 19th to 23rd February 2025. This program provided valuable insights into the latest advancements in AI and Machine Learning, particularly in the domains of cybersecurity, healthcare, and automation. His participation reflects his commitment to continuous learning and integrating cutting-edge technologies into academic and research practices.



Certification of Appreciation for Mr. Mudigonda Rathna chary

Mr. Mudigonda Rathna chary delivered a noteworthy session as Resource person for the topic ICAP Pedagogies .One Week Workshop on Implementation of Student-Centered Pedagogies for Engineering Classrooms organized by Centre for Engineering Education Development, KGR CET from 20th January 2025 to 25th January 2025 held at KG Reddy College of Engineering & Technology, Hyderabad.



Successful Completion of Industrial Training on Primavera

Mr. Srinivasa Reddy Vempada has successfully completed a two-week Industrial Training Program on Primavera conducted by The National Small Industries Corporation Ltd. (NSIC) Technical Services Centre, Hyderabad. The training, held from 27th January 2025 to 10th February 2025, provided in-depth knowledge and hands-on experience in project management using Primavera, a leading software in the construction and engineering sectors. He secured an A1 grade during the performance evaluation, reflecting his proficiency in the subject. His dedication to enhancing technical skills aligns with the institution's commitment to professional development and industry-relevant learning.



Miss K. Hima Bindu, Assistant Professor, has successfully completed the AICTE Training and Learning (ATAL) Academy Faculty Development Program on Earthwise - Transforming Climate Action & Sustainability for a Better Tomorrow at National Institute of Technology, Rourkela from February 10, 2025, to February 15, 2025. This program, conducted by the All India Council for Technical Education (AICTE), aimed to enhance knowledge and foster innovative approaches toward climate action and sustainability.

DEPARTMENT OF CIVIL ENGINEERING



Dr. Srinivasa Reddy Vempada participated in a Faculty Development Program (FDP) on "Generative AI: Techniques, Tools, and Applications," organized by the National Institute of Technology (NIT) Delhi from February 3 to February 8, 2025. The program provided in-depth insights into the latest advancements in Generative AI, covering cutting-edge tools, methodologies, and real-world applications. Through expert-led sessions and hands-on training, the FDP facilitated knowledge-sharing among academicians and researchers, fostering innovation in AI-driven solutions. Dr. Srinivasa Reddy's participation in this program reflects a commitment to integrating AI advancements into academic and research domains, enhancing the scope of AI applications in various fields.



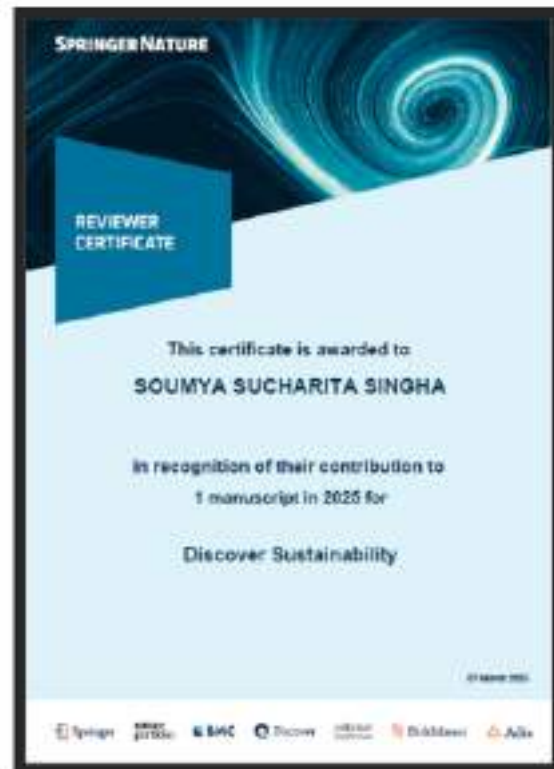
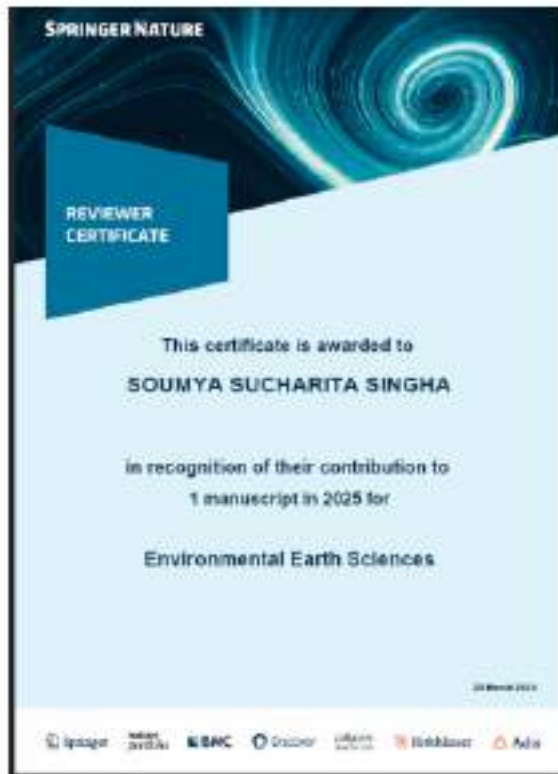
Mrs. Poturaju Rajitha and Mr. K Sai kumar chary faculty from the Civil Engineering Department, successfully completed a one-week workshop on Implementation of Student-Centered Pedagogies for Engineering Classrooms. The workshop was organized by the Centre for Engineering Education Development (CEED) at KG Reddy College of Engineering & Technology (KGR CET), Hyderabad, from 20th January 2025 to 25th January 2025.

The workshop provided hands-on training in innovative teaching methodologies aimed at enhancing student engagement, active learning, and effective assessment strategies. Faculty demonstrated her commitment to advancing pedagogical excellence by submitting assignments and presenting a portfolio, earning her the Certificate of Completion from CEED.

Such faculty development programs play a crucial role in bridging the gap between traditional and modern teaching practices, ensuring quality education aligned with global standards.



Mr. M. Rathna Chary, along with Ms. K. Hima Bindhu, played a pivotal role in the successful execution of the One Week Workshop on Implementation of Student-Centered Pedagogies for Engineering Classrooms, organized by the Centre for Engineering Education Development (CEED) at KG Reddy College of Engineering & Technology, Hyderabad. Held from 20th to 25th January 2025, the workshop aimed to enhance teaching methodologies in engineering education. Ms. K. Hima Bindhu was recognized with a Certificate of Appreciation for delivering an insightful session on "Introduction to ICAP". Their valuable contributions significantly enriched the learning experience, fostering innovative and interactive teaching strategies among educators.



We are proud to announce that Dr. Soumya Sucharita Singha, Head of the Department of Civil Engineering, KG Reddy College of Engineering & Technology, has been recognized for her exceptional contributions to research and peer review in esteemed international journals.

Dr. Singha has successfully reviewed manuscripts for Environmental Earth Sciences, Discover Sustainability, and Scientific Reports under Springer Nature, receiving official Reviewer Certificates in February and March 2025. Her expertise in environmental sustainability and groundwater quality assessment continues to make a significant impact on global research.

Additionally, her research paper titled "Groundwater Quality Assessment in Nalgonda District, Telangana, India: A Comprehensive Approach Using Self-Organizing Map"—co-authored with Sudhakar Singha and Prince Kumar—was accepted in Discover Sustainability on March 7, 2025.

Dr. Singha's dedication to advancing knowledge in environmental science and sustainability is commendable, and her contributions enhance the research culture at KGR CET. We congratulate her on these achievements and look forward to more groundbreaking research from her in the future!



Ms. K. Hima Bindu, Assistant Professor from the Department of Civil Engineering, achieved Distinction in the "Engineering Education Research" course conducted by the Indo Universal Collaboration for Engineering Education (IUCEE) from August 2024 to January 2025.



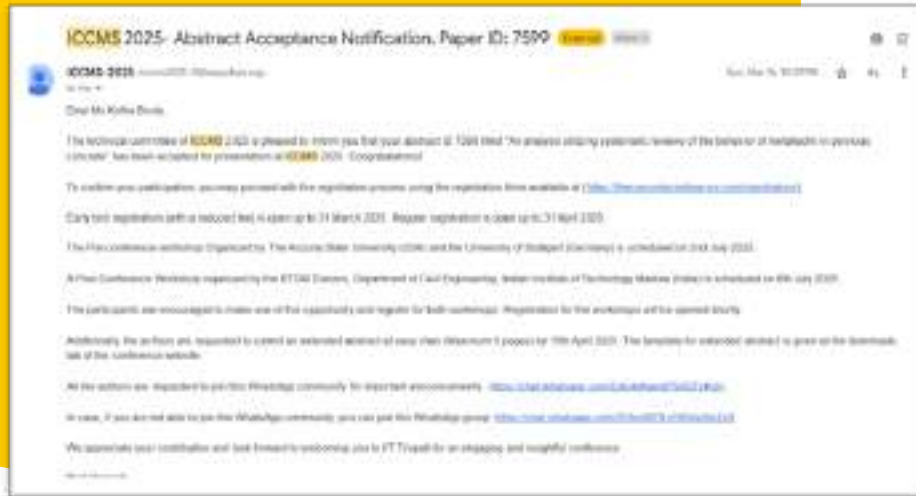
Ms. K.Hima Bindu ,Assistant Professor, from the Department of Civil Engineering Successfully Completed Short term training Programme (STTP) on "Learner Centered Pedagogy" held from 17th March 2025 to 24th March 2025 Conducted by University Grants Commission Malaviya Mission Teacher Training centre(UGC-MMTC)



Ms.K.Hima Bindu ,Assistant professor, from the Department of Civil Engineering Presented her reflections in JNTUH related to Learnings and future implementations of Various Pedagogical techniques with active involvement in Team building and Self Learning handsome Activities during One week STTP .



Mrs.P.Rajitha ,Assistant Professor from Department of Civil Presented her Teaching and learning Classroom reflections in March 2025 Month Conclave .



Ms.K.Hima Bindu ,Assistant professor, from the Department of Civil Engineering Research paper Id 7599 “An Analysis Utilizing Systematic Reviews of the behaviour of Metakaolin in pervious Concrete” Extended Abstract got Accepted for Third International Conference on Construction Materials and Structures on Synergy of Materials and Structure Conducted by Indian Institute of Technology -Tirupati(IIT.T). Andhra Pradesh



Faculty members M. Rathna Chary, Miryala Vijayakumar, and Mr. Garapati Venkata Sai Prasad from KG Reddy College of Engineering & Technology successfully participated in a five-day online Faculty Development Program (FDP) titled "Revolutionizing Data Analytics: Tableau, Power BI, AI, and Optimization Techniques." The FDP, organized by the Office of PhD Program, SR University, Warangal, Telangana, took place from March 12 to March 16, 2025.

The program provided an in-depth understanding of advanced data analytics tools, artificial intelligence applications, and optimization techniques, equipping participants with valuable insights for academic research and teaching methodologies. The knowledge gained through this FDP will contribute to enhancing the learning experience for students and fostering a data-driven approach in engineering education. Congratulations to the faculty members on their successful participation!



We are proud to announce that Prof. Srinivasa Reddy Vempada from KG Reddy College of Engineering & Technology was honored with a Certificate of Appreciation for serving as a Session Chair at the 2nd International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2025). The conference, held from March 7 to March 9, 2025, brought together experts, researchers, and academicians to discuss cutting-edge advancements in multidisciplinary research and sustainability.

As a Session Chair, Mr. V. Srinivasa Reddy played a pivotal role in facilitating discussions, evaluating research presentations, and contributing to the intellectual exchange of ideas. This recognition highlights his commitment to academic excellence and knowledge dissemination. Congratulations on this well-deserved honor!



The Civil Engineering Department proudly congratulates Mr. Ravi Kumar for his dedicated service as Organiser at PROTECT EXPO - 2025, held in conjunction with the 2nd International Conference on Multidisciplinary Research and Sustainable Development (ICMED 2025) from 7th - 9th March 2025.

His contribution to the event played a significant role in ensuring its success, fostering knowledge exchange, and promoting sustainable development initiatives. The department appreciates his efforts and commitment to professional growth in the field of multidisciplinary research.



The Civil Engineering Department extends its congratulations to Mr. Garapati Venkata Sai Prasad, Assistant Professor, KG Reddy College of Engineering and Technology, for successfully completing the Faculty Development Program (FDP) on Structural Analysis & Design using STAAD.Pro.

The program, organized by SkillDzire in collaboration with AICTE, was held from 17th March 2025 to 31st March 2025. His achievement, recognized under Certificate ID: SDFDP-12186, highlights his dedication to enhancing expertise in structural analysis and design, further strengthening the academic and research capabilities of the department. We applaud his commitment to professional development and continuous learning.



Home > Discover Sustainability > Article

Groundwater quality assessment in Nalgonda District, Telangana, India: a comprehensive approach using self organizing map

Research | Open access | Published: 20 March 2025

Volume 6, article number 185, (2025) | [Cite this article](#)

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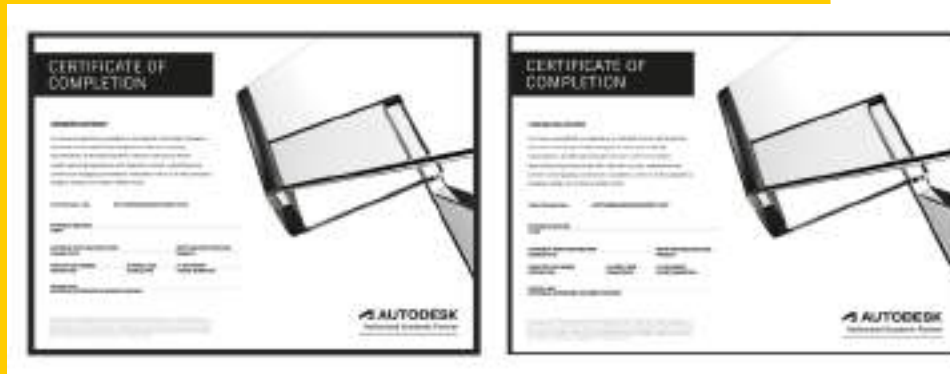
We are pleased to announce that the research paper titled “Groundwater Quality Assessment in Nalgonda District, Telangana, India: A Comprehensive Approach Using Self-Organizing Map” has been published in Discover Sustainability in April 2025.

This paper is co-authored by Dr. Soumya Sucharita Singha, Associate Professor and Head of the Department of Civil Engineering, alongside Mr. Sudhakar Singha and Mr. Prince Kumar. The study employs Self-Organizing Maps (SOM) to assess groundwater quality in the Nalgonda district, an area with diverse and challenging hydrogeological conditions.

The publication underscores the department’s dedication to addressing environmental challenges through innovative and data-driven research. Dr. Singha’s ongoing contributions to environmental science and sustainability continue to enhance the research culture at KGR CET.

We extend our heartfelt congratulations to the authors for their remarkable achievement and look forward to their future research successes

DEPARTMENT OF CIVIL ENGINEERING



The Department of Civil Engineering is proud to announce that Ms. P. Rajitha and Mr. G. Anvesh, faculty members of the department, have successfully completed the Autodesk Revit Architecture 2025 certification course on 12th April 2025. The course was conducted by Design Labs, an Autodesk Authorized Academic Partner, under the guidance of certified instructor Mr. Paga Sri Sai Charan.

This professional development initiative aimed to enhance faculty expertise in Building Information Modeling (BIM) using Revit, equipping them with the latest industry-relevant tools for architectural design and documentation. Their successful completion of the course reinforces the department's commitment to continuous learning and delivering high-quality education aligned with current industry standards.



The Department of Civil Engineering is pleased to share that Ms. P. Rajitha and Mr. G. Ravi Kumar, faculty members from KG Reddy College of Engineering & Technology, have successfully participated in a One Week Online Short-Term Refresher Course titled "Soil, Water, and Beyond: Next-Gen Geo-Environmental Strategies (SWGES-2K25)".

This course was organized by the Department of Civil Engineering, CVR College of Engineering, Hyderabad, in association with ISTE and the Indian Concrete Institute, and held from 7th to 11th April 2025. The program focused on advanced concepts and practical approaches in geo-environmental engineering, providing valuable insights into sustainable strategies for managing soil and water resources. The department appreciates their dedication to continuous learning and commitment to academic excellence. Faculty Participation in One-Week Online Refresher Course on Geo-Environmental Strategies

DEPARTMENT OF CIVIL ENGINEERING



Mr. Garre Ravi Kumar, Assistant Professor, Department of Civil Engineering, gave a presentation on the classroom innovations at the Conclave on Teaching-Learning Practices, organized by the Centre for Engineering Education Development (CEED) at KG Reddy College of Engineering and Technology on 24th April 2025. The presentation focused on the effectiveness of these pedagogical strategies and the positive feedback received from students.

To all the participants, the conclave provided an enriching experience, enabling knowledge sharing among faculty and reinforcing the importance of adopting student-centric pedagogical practices in engineering education.



The members of the KGR CET-NSS units Committee were recently honored for their outstanding contributions to social service during the 2024-25 academic year. This recognition highlights the dedication and commitment of these individuals to making a positive impact in their communities. The awards and certificates were presented in a formal ceremony, celebrating the various initiatives undertaken by the committee members, which included organizing community outreach programs, participating in environmental conservation efforts, and providing support to underprivileged groups. Their tireless efforts not only benefited those in need but also inspired fellow students to engage in social responsibility.

DEPARTMENT OF CIVIL ENGINEERING



We are proud to announce that Mr. M. Vijay Kumar, Assistant Professor in the Department of Civil Engineering, was honored with the Best Mentor Award during the Annual Day celebrations at KG Reddy College of Engineering and Technology. This recognition stands as a testament to his unwavering commitment to student development, academic excellence, and mentorship.

Mr. Vijay Kumar has consistently gone above and beyond to support and guide students, both academically and personally. His approach to mentoring fosters a positive learning environment and empowers students to achieve their full potential. The department congratulates him on this well-deserved recognition and appreciates his invaluable contributions to the growth and success of our students.



We are pleased to announce that Mr. Jagadish S, Assistant Professor, Department of Civil Engineering, has been honored with the Department-Level Award for Teaching, Research, and Service during the Annual Day celebrations - April 2025 at KG Reddy College of Engineering and Technology. This prestigious recognition is a testament to Mr. Jagadish's dedication to academic excellence, his active engagement in research initiatives, and his unwavering commitment to departmental and institutional service. His innovative teaching methods, student mentoring, and contributions to academic projects have significantly enriched the learning environment within the department. The Civil Engineering Department congratulates Mr. Jagadish S on this well-deserved accolade and appreciates his continued efforts toward academic and professional excellence.



We are proud to share that Dr. V. Srinivasa Reddy, Professor, has been conferred with the prestigious Institution-Level Changemaker Award during the Annual Day Celebrations – April 2025 at KG Reddy College of Engineering and Technology.

This award recognizes Dr. Reddy's visionary leadership, transformative contributions, and unwavering commitment to driving positive change across the institution. His initiatives have significantly impacted academic innovation, student engagement, and institutional development. Through his proactive involvement in strategic planning, faculty development, and interdisciplinary collaboration, Dr. Reddy continues to inspire a culture of excellence and innovation.

The institution congratulates Dr. V. Srinivasa Reddy on this remarkable achievement and applauds his role as a true changemaker.

The Department of Civil Engineering proudly acknowledges the successful publication of 41 research papers in the 5th International Conference on Mechanical Engineering Design (ICMED-2023). These papers, contributed by faculty and students across various engineering disciplines, have now been officially published and are available online.

This achievement reflects the department's strong emphasis on research, innovation, and academic contribution at the international level. The wide range of topics covered in these publications showcases the interdisciplinary approach, technical expertise, and commitment to solving real-world engineering challenges.

We congratulate all the authors for their scholarly contributions and for upholding the research standards of KG Reddy College of Engineering and Technology.



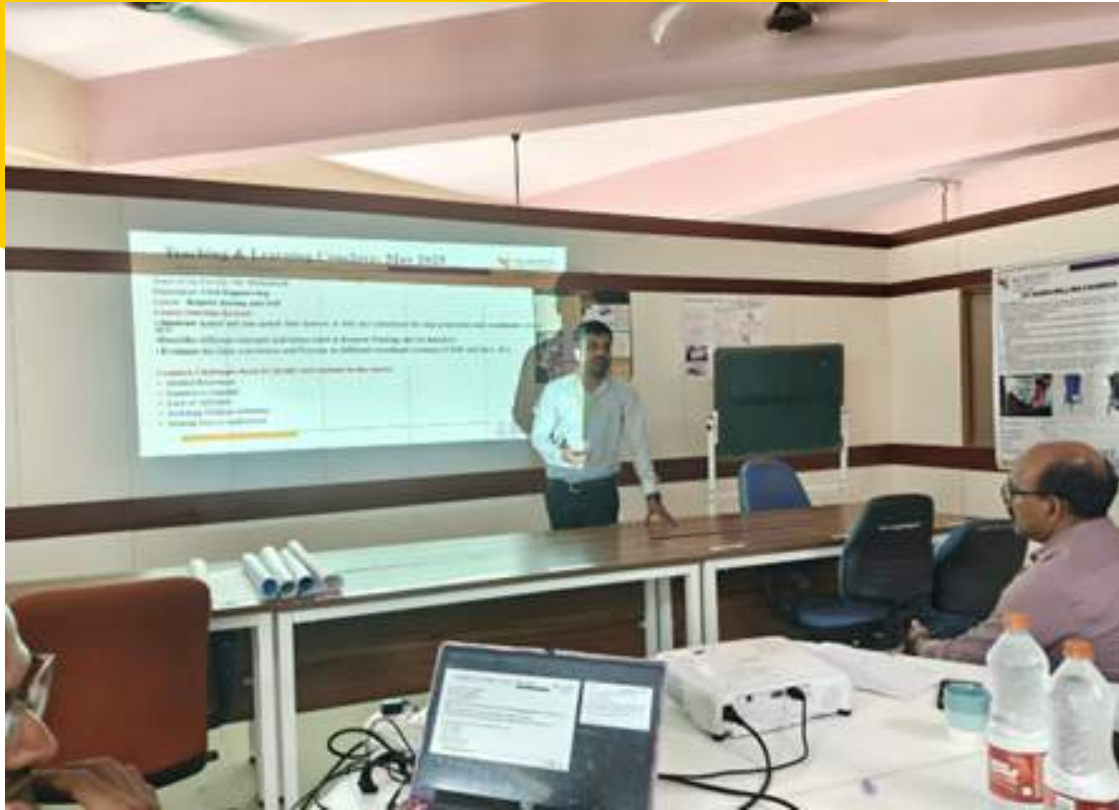


We are pleased to share that Mr. Gunjuluri Anvesh, faculty member from the Department of Civil Engineering, KG Reddy College of Engineering & Technology, has actively participated in a Five-Day Online Faculty Development Program (FDP) titled "Empowering Educators with Future Technologies and Manufacturing (EEFTIM-2025)". The FDP was organized by the Department of Civil & Mechanical Engineering, Global Institute of Science & Technology (An Institution of ICARE), held from 13th to 17th May 2025. The program aimed to enhance the knowledge and teaching capabilities of faculty members in the domains of emerging technologies and advanced manufacturing processes.

Mr. Anvesh's participation in this program reflects the institution's commitment to continuous faculty development and academic excellence.



The Department of Civil Engineering is pleased to share that the NSS special camp Programme was started in Bakaram village from 01-04-2025 to 07-04-2025 coordinated by Mr. M Rathna Chary as an NSS Program Officer from the Department of Civil Engineering. For this camp, around 54 NSS volunteers had participated. The outcome of the program is to provide awareness on Swatch Bharath, Green safety, Road safety, career guidance for school children, etc.



Mr. P. Mahantesh, Assistant Professor, Department of Civil Engineering, gave a presentation on the classroom innovations at the Conclave on Teaching-Learning Practices, organized by the Centre for Engineering Education Development (CEED) at KG Reddy College of Engineering and Technology on 29th May 2025. The presentation focused on the effectiveness of these pedagogical strategies and the positive feedback received from students.

To all the participants, the conclave provided an enriching experience, enabling knowledge sharing among faculty and reinforcing the importance of adopting student-centric pedagogical practices in engineering education.



In an inspiring commitment to continuous learning and academic excellence, several faculty members of our institution have successfully completed various NPTEL-AICTE courses during the January–April 2025 session. These courses, conducted by premier institutes and endorsed by AICTE, are part of the Faculty Development Programme (FDP) initiative to keep educators abreast of the latest developments in their respective domains.

List of Faculty and Courses Completed:

- P. Rajitha
 - Development and Application of Special Concretes (Jan–Mar 2025)
 - Concrete Technology (Jan–Apr 2025)
- Mr. Jagadish SH
 - Geotechnical Engineering-I (Jan–Apr 2025)
- Dr. Srinivasa Reddy Vempada
 - FDP on Machine Learning for Engineering and Science Applications (Jan–Apr 2025)
- Mr. Mahantesh P
 - Remote Sensing and GIS for Rural Development (Jan–Mar 2025)
- Dr. Soumya Singha
 - NBA Accreditation and Teaching and Learning (Jan–Apr 2025)
- Mr. Ravi Kumar
 - NBA Accreditation and Teaching and Learning (Jan–Apr 2025)
- Ms. K. Himabindu
 - Concrete Technology (Jan–Apr 2025)

These accomplishments not only reflect our faculty's dedication to enhancing their subject expertise but also contribute significantly to enriching the learning experience of students. We commend their efforts and encourage others to follow their lead in the pursuit of academic growth and innovation.



We are proud to announce that our faculty members Mr. Garre Ravi Kumar, Ms. Ipsita Bose Roy Choudhury, Dr. Sala Gayathri, and Ms. M. Madhuri from the Department of Civil Engineering, KG Reddy College of Engineering & Technology, actively participated in the Two-Day International Conference on “Next-Generation Infrastructure: Green Technologies, Smart Cities, and Sustainable Energy Solutions (IC-NGI-GSS-2025)” held on 9th and 10th May 2025.

The conference was organized by the Department of Civil Engineering, K.D.K. College of Engineering, Nagpur, an autonomous institute accredited by NBA and NAAC, in association with prestigious organizations such as ASCE (American Society of Civil Engineers), Indian Concrete Institute - Nagpur Centre, The Institute of Engineers, Indian Water Works Association, Association of Consulting Civil Engineers, and Indian Society for Technical Education.

Our faculty team presented a research paper titled “E-Waste Management Practices in India: A Case Study-Based Analysis”, contributing valuable insights toward sustainable environmental practices and infrastructure development.



We are proud to announce that Mr. Konnoju Saikumar Chary, Assistant Professor, Department of Civil Engineering, KG Reddy College of Engineering and Technology, has successfully completed his Doctor of Philosophy (Ph.D.) and has been officially awarded the degree.

His doctoral research was titled:

"Studies on Geopolymer Concrete: Utilization of Eggshell Powder Integrated with Sustainable Materials",

conducted under the esteemed guidance of Dr. N. Munilakshmi.

The viva-voce examination was held on 28th May 2025 at 10:30 A.M. in Vajra Hall, Department of Civil Engineering.

This remarkable achievement reflects Dr. Saikumar's dedication to advancing sustainable construction materials and practices. His work contributes significantly to the growing body of knowledge in geopolymer concrete and the reuse of waste materials like eggshell powder—a step toward environmentally friendly engineering solutions.

The management, faculty, and students of KGR CET extend their heartfelt congratulations to Dr. Saikumar and wish him continued success in his academic and research endeavors.



We are proud to announce that our faculty members Mr. Garre Ravi Kumar, Ms. Ipsita Bose Roy Choudhury, Dr. Sala Gayathri, and Ms. M. Madhuri from the Department of Civil Engineering, KG Reddy College of Engineering & Technology, actively participated in the Two-Day International Conference on "Next-Generation Infrastructure: Green Technologies, Smart Cities, and Sustainable Energy Solutions (IC-NGI-GSS-2025)" held on 9th and 10th May 2025.

The conference was organized by the Department of Civil Engineering, K.D.K. College of Engineering, Nagpur, an autonomous institute accredited by NBA and NAAC, in association with prestigious organizations such as ASCE (American Society of Civil Engineers), Indian Concrete Institute - Nagpur Centre, The Institute of Engineers, Indian Water Works Association, Association of Consulting Civil Engineers, and Indian Society for Technical Education.

Our faculty team presented a research paper titled "E-Waste Management Practices in India: A Case Study-Based Analysis", contributing valuable insights toward sustainable environmental practices and infrastructure development.



We are pleased to share that Ms. Kotha Hima Bindu from KG Reddy College of Engineering and Technology has successfully completed a One Week MOOC-based Faculty Development Program (FDP) on “Innovative Ways of CO-PO Attainment: Newer Trends, WK, IKS and SD Integration for Employability and Deployability of Students – 2025”, organized by the Internal Quality Assurance Cell (IQAC) of DY Patil College of Engineering, Akurdi, Pune, in association with The Institution of Engineers India (IEI) from June 16–20, 2025.

This FDP focused on cutting-edge themes such as heutagogical methods, AI integration in Outcome-Based Education (OBE), and rubric-based attainment analytics. As part of the program, Ms. Hima Bindu gained advanced skills in transforming pedagogy into heutagogy, utilizing Bloom’s Digital Taxonomy tools, and implementing live dashboards and ICT tools for automated CO-PO mapping. We commend her dedication to continuous learning and commitment to adopting innovative educational practices that enhance student employability and learning outcomes.



We are pleased to share that Mr. M. Rathna Chary and Mrs. Rajitha from KG Reddy College of Engineering and Technology, Moinabad Mandal, have successfully participated in a 10-hour Faculty Development Program (FDP) titled “Structural Design and Analysis using STAAD Pro Connect”.

This online FDP was conducted by ICT Academy from 24th to 28th June 2025, aimed at enhancing the technical capabilities of faculty members in structural engineering using industry-recognized software.

The program provided in-depth knowledge and hands-on experience in the design and analysis of structures using STAAD Pro Connect, an essential tool for civil and structural engineering professionals. Through this FDP, participants gained valuable skills that will further enrich teaching practices and support outcome-based education.

We extend our congratulations to Mr. Rathna Chary and Mrs. Rajitha for their proactive involvement and dedication to continuous learning.



We are glad to announce that Mr. Mahantesh Paruti has successfully completed the Value Added Course on “Water Supply and Treatment Engineering”, conducted by the Department of Civil Engineering at KG Reddy College of Engineering and Technology.

The course was held from 3rd March 2025 to 9th May 2025, with the objective of enhancing students’ practical knowledge and technical skills in the field of water supply systems and modern treatment techniques.

The program offered a comprehensive understanding of water sourcing, distribution, purification processes, and the application of sustainable engineering practices. It also supported the development of industry-relevant competencies aligned with current environmental and infrastructural demands.

We congratulate Mr. Mahantesh Paruti on earning this certificate (ID: O6CKK8-CE000023) and for his commitment to academic and professional growth.



The Department of Civil Engineering is proud to acknowledge the active participation of Dr. Srinivasa Reddy Vempada, Professor, in a prestigious two-week hands-on workshop on “Foundations of Prompt Engineering”.

The workshop was organized by the School of Computing, MIT Art, Design & Technology University, Pune, in association with the IEEE Computational Intelligence Society and IEEE Pune Section, and was held from 21st April to 1st May 2025.

This workshop provided in-depth training on emerging concepts and practical applications of prompt engineering, a key aspect in the development and optimization of generative AI tools. Dr. Srinivasa Reddy’s participation reflects the department’s commitment to interdisciplinary learning and staying at the forefront of technological advancements relevant to both civil engineering and the broader academic landscape.

We congratulate Dr. Reddy on this achievement and his continual pursuit of academic and technological excellence.



We are pleased to share that Dr. Srinivasa Reddy Vempada, Professor in the Department of Civil Engineering, was invited to participate in the 20th Board of Studies (BOS) meeting for the B.Tech - Civil Engineering program and the 8th BOS meeting for the M.Tech - Structural Engineering program at JB Institute of Engineering and Technology (JBIET). The meeting was held in offline mode on 8th May 2025 (Thursday) at the Placement Seminar Hall, JBIET, from 11:00 AM to 12:30 PM, and focused on reviewing and updating the curriculum in alignment with current academic and industry requirements. The proposed agenda and course structures were discussed with expert members, with the aim of improving the academic quality and relevance of the programs. Dr. Reddy's valuable expertise and contributions added significant academic insight to the deliberations. The department acknowledges his continued involvement in academic development beyond the home institution. Following the meeting, all participants were invited for a formal lunch hosted by the Civil Engineering Department of JBIET. We commend Dr. Srinivasa Reddy for representing our institution and contributing to curriculum enhancement at an inter-institutional level.



Student Achievements

Achievement in UDHBHAV-2025 - A National Level Techno-Cultural Sports Fest



Students from our institution showcased their technical prowess at UDHBHAV-2025, a prestigious National Level Techno-Cultural Sports Fest hosted by VJIT. B. Uday Kiran (23QM5A0104) demonstrated his exceptional CAD skills in the Cadathon competition and secured the 2nd Place Certificate of Merit. Additionally, T. Dhanunjay (24QM5A0132) and N. Sairam (24QM5A0125) exhibited remarkable engineering ingenuity in the Bridge Mockup competition, jointly achieving 1st Place Certificate of Merit. Their success highlights the students' technical proficiency and problem-solving abilities, reinforcing our commitment to fostering innovation and excellence.

DEPARTMENT OF CIVIL ENGINEERING



Student Volunteering at the 1st Edition of IGBC Telangana, Hyderabad



Our students actively participated as student volunteers in the 1st Edition of IGBC Telangana at Novotel-HICC, Hyderabad, organized by CII-IGBC on 15th February 2025. Gundoji Sai Srujan (24QM5A0111), Kilari Ravi Teja (24QM5A0118), B. Shivaleela (23QM5A0105), A. Vardhini (23QM5A0101), and S. Swathika (22QM1A0122) were honored with Certificates of Appreciation for their dedicated efforts. Their involvement provided them with a valuable opportunity to engage with industry experts, contribute to sustainability initiatives, and enhance their knowledge in green building concepts. This experience not only enriched their professional growth but also reflected their commitment to sustainable development and environmental consciousness.



1) Bhukya Dhanalakshmi Student from 3rd year Civil Department Stood First and was the winner in Poster Prseesntation held in JBIET which was conducted as a part of Three Day Techno Cultural Fest INFOQUEST 25 & SPOORTHI2K25 during 10th ,11th &12th March 2025.



B.Poojitha.V.Arshitha & K.Saiteja Students from 3rd year Civil Department Stood First and was the winner in Technical Quiz held in JBIET which was conducted as a part of Three Day Techno Cultural Fest INFOQUEST 25 & SPOORTHI2K25 during 10th, 11th & 12th March 2025.



Badikela Uday Kiran Student from 3rd Year Civil Secured 1st Prize in CADMANIA held during NIRMAAN25 National level technical symposium held during 21st and 22nd March 2025 at Department of Civil, University of college of Engineering, Osmania University, Hyderabad.

DEPARTMENT OF CIVIL ENGINEERING



Badikela Uday Kiran Student from 3rd Year Civil Secured 1st Prize in Cadathon conducted by MLRITM Department of Civil as a part of VALOROUS 2k25 Technical Event .



The Department of Civil Engineering, KG Reddy College of Engineering & Technology (KGR CET), successfully organized a Project Expo on March 25, 2025, providing a platform for students to showcase their innovative ideas, research projects, and practical solutions to real-world engineering challenges.

The expo featured a diverse range of projects spanning sustainable construction materials, smart infrastructure, environmental impact assessment, advanced surveying techniques, and innovative structural designs. Students demonstrated their technical skills, creativity, and problem-solving abilities through working models, prototypes, and research presentations.

The event was graced by faculty members, industry experts, and external evaluators, who provided valuable feedback and insights to the participants. Dr. Soumya Sucharita Singha, Head of the Civil Engineering Department, commended the students for their dedication and encouraged them to continue pursuing research and innovation.

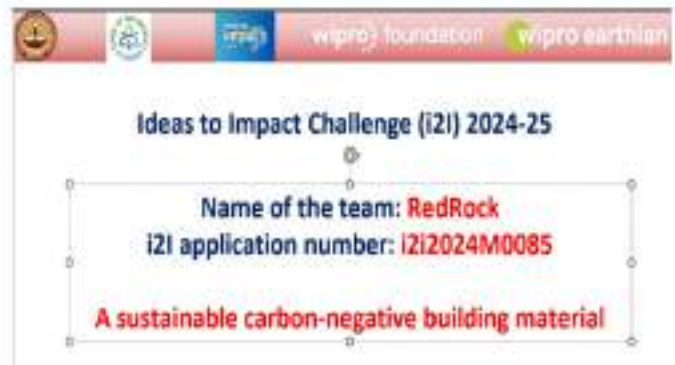
The Project Expo 2025 not only highlighted the technical expertise of Civil Engineering students at KGR CET but also emphasized the department's commitment to fostering innovation, sustainability, and industry readiness. Congratulations to all the participants, faculty, and organizers for making the event a grand success!



Civil KGR CET Team "RedRock" Wins Rs. 50,000 Funding in i2I Challenge 2024-25

Team composition

Team Lead	Team Member	Team Member	Team Member
 Chakali Government B.Tech. (Civil Engineering) 4 th Yr KG Reddy College of Engineering and Technology, Hyderabad, Telangana Develop the "RedRock"	 Kurimilla Vivek B.Tech. (Civil Engineering) 4 th Yr KG Reddy College of Engineering and Technology, Hyderabad, Telangana Support the "RedRock" innovation	 Mohammed Khadar Baba B.Tech. (Civil Engineering) 3 rd Yr KG Reddy College of Engineering and Technology, Hyderabad, Telangana Contribute to the "RedRock" innovation	 Bhukya Dhanalaxmi B.Tech. (Civil Engineering) 3 rd Yr KG Reddy College of Engineering and Technology, Hyderabad, Telangana Develop the "RedRock" innovation
Faculty mentor  Dr. V. Srinivasa Reddy Professor of Civil Engineering KG Reddy College of Engineering and Technology, Hyderabad, Telangana Strategic & Technical guidance			



Logo: wipro foundation wipro earthian

Ideas to Impact Challenge (i2I) 2024-25

Name of the team: **RedRock**
i2I application number: **i2i2024M0085**

A sustainable carbon-negative building material

We are thrilled to announce that Team RedRock from KG Reddy College of Engineering & Technology has secured Rs. 50,000 in funding for their groundbreaking project in the Ideas to Impact Challenge (i2I) 2024-25. Their innovative research focuses on developing a sustainable, carbon-negative building material, which aligns with global sustainability goals and contributes to environmentally friendly construction solutions.

The team, led by Chakali Government (4th Year, Civil Engineering) and supported by team members Kurimilla Vivek (4th Year), Mohammed Khadar Baba (3rd Year), and Bhukya Dhanalaxmi (3rd Year), is working towards optimizing and implementing their "RedRock" material. Their project has been guided by Dr. V. Srinivasa Reddy, Professor of Civil Engineering, who provided strategic and technical mentorship.

With application number i2i2024M0085, the team's success in the competition highlights the innovation and research excellence fostered at KGR CET. This funding will support the next phase of their research and development, bringing them closer to real-world applications of their sustainable building material.

We extend our heartfelt congratulations to Dr. Srinivasa Reddy and Team RedRock for this remarkable achievement. We look forward to seeing their project make a significant impact in the field of sustainable construction!



Achievement in Sports: Sharath Secures 2nd Prize in Carrom (Doubles) at INVICTA 2025 (Doubles) at INVICTA 2025



The Civil Engineering Department is proud to congratulate Sharath, and Ravinder from 2nd-year Civil Engineering student, for his outstanding performance in INVICTA 2025 – A State-Level Cultural and Sports Fest. Competing against skilled participants, he secured the 2nd prize in the Carrom (Doubles) event, showcasing exceptional strategy and teamwork.

The event, organized by the Department of Student Affairs, KG Reddy College of Engineering & Technology, was held on 26th & 27th March 2025, bringing together talent from across the state. Sharath's achievement highlights his dedication to sports and his ability to excel both academically and athletically.

We congratulate him on this well-deserved success and wish him continued achievements in future competitions!



P. Akhila from 3rd year civil department demonstrated exceptional skill and determination, securing the second prize in volleyball at the State-Level Cultural and Sports Fest. This impressive achievement, amidst fierce competition from talented participants across the state, highlights Akhila's dedication and athletic prowess. The event, organized by the Department of Student Affairs, KG Reddy College of Engineering & Technology, held on March 26th and 27th, 2025, showcased a vibrant display of talent and sportsmanship, with Akhila's victory being a standout moment.

DEPARTMENT OF CIVIL ENGINEERING



We are proud to announce that Badikela Uday Kiran, a student of K.G. Reddy College of Engineering & Technology, has brought laurels to the institution by securing the 1st Prize in the event “CADATHON” held during Valorous 2025, a national-level technical symposium hosted by Marri Laxman Reddy Institute of Technology and Management (Autonomous) on 28th and 29th March 2025. The event was organized by the Department of Civil Engineering under the banner of the Institution’s Innovation Council (IIC) and the Innovation and Incubation Centre, as part of the Ministry of Education’s initiative to foster technical innovation and creative thinking among young engineers.

We congratulate Uday Kiran on this remarkable achievement and wish him continued success in all his future endeavors.



We are delighted to share that B. Uday Kiran, a 3rd-year student from the Department of Civil Engineering, has achieved a commendable milestone by securing the 2nd Prize in the event “CAD ZAKEIA”, conducted as part of STHAPATYA 2025, a prestigious National Level Technical Symposium organized by Jawaharlal Nehru Technological University Hyderabad - University College of Engineering, Science & Technology, Hyderabad (JNTUH UCESTH) on 16th and 17th April 2025.

Uday Kiran demonstrated exceptional technical knowledge, creativity, and application skills in the domain of CAD-based design, reflecting the quality and rigor of training imparted at our department. His active participation and outstanding performance not only brought recognition to himself but also to the institution. The Department of Civil Engineering congratulates him on this proud achievement and wishes him success in all future endeavors.



We are delighted to share that a total of 85 students from the 2nd and 3rd year of the Civil Engineering Department have successfully completed and received certification in the Revit Architecture course.

This industry-relevant training program equipped students with essential skills in Building Information Modeling (BIM), enhancing their understanding of architectural design, 3D modeling, and construction documentation using Autodesk Revit. The hands-on experience provided through this course has strengthened their technical competency and prepared them for future roles in design and construction domains.

The department appreciates the enthusiastic participation of the students and the efforts of the faculty coordinators who facilitated the smooth execution of the course. Initiatives like these reflect the department's commitment to bridging the gap between academics and industry demands, empowering students with practical and in-demand software skills.



The Department of Civil Engineering is proud to recognize and appreciate the outstanding achievements of its students across II, III, and IV years for their exemplary academic performance, co-curricular, and extra-curricular involvement. These students have set high standards of excellence, becoming role models for their peers.

IV Year Achievers:

- Ch. Vaishnavi (Roll No: 22QM5A0112) was honored as the Academic Topper of the final year with an impressive CGPA of 8.57.
- Gattu Barghavi (Roll No: 22QM5A0120) was recognized as the Best Student of the final year for her consistent performance and overall contributions, securing a CGPA of 8.31.

III Year Achievers:

- A. Vardhini (Roll No: 23QM5A0101) emerged as the Academic Topper of the third year with a CGPA of 9.37, reflecting her dedication and discipline.
- B. Dhana Laxmi (Roll No: 23QM5A0106) was awarded the Best Student title, showcasing a well-rounded profile with a VGPA of 8.49.

II Year Achievers:

- G. Sai Srujan (Roll No: 24QM5A0111) secured the title of Academic Topper for the second year with an outstanding CGPA of 9.70.
- K. Ravi Teja (Roll No: 24QM5A0118) was acknowledged as the Best Student, achieving a strong CGPA of 9.40 and active participation in various departmental activities.

Department-Wise Changemaker Recognition:

We are also proud to highlight P. Mahesh (Roll No: 22QM5A0135), who was awarded the Changemaker - Civil Engineering Department title. His innovative approach, leadership qualities, and impactful involvement in both academic and social initiatives have earned him this special recognition.

These awards and recognitions reflect the department's ongoing efforts to foster academic excellence, leadership, and holistic development among students



We take immense pride in acknowledging the sincere efforts and academic commitment of our students who have successfully enrolled, completed and certified NPTEL-AICTE certified courses for the Jan–April 2025 session. These courses are part of a national initiative to bring high-quality online learning opportunities to students across the country, and our students have risen to the occasion with enthusiasm and dedication.

Students Enrolled – Jan to April 2025 Session:

- Vadla Bunny Chary (23QM1A0120) – II Year
- Course: Remote Sensing and GIS for Rural Development
- Jetti Sagarika (23QM1A0108) – II Year
- Course: Remote Sensing and GIS for Rural Development
- Javvaji Shiva Kumar (23QM1A0107) – II Year
- Course: Remote Sensing and GIS for Rural Development
- Athinarapu Anusha (23QM5A0103) – III Year
- Course: Environmental Fluid Mechanics
- Vadluri Arshitha (23QM5A0127) – III Year
- Course: Strategies for Sustainable Design

Their proactive approach to learning through these prestigious online platforms reflects their desire for excellence and professional growth beyond the classroom. We appreciate their initiative in leveraging NPTEL-AICTE resources to deepen their knowledge in specialized areas of Civil Engineering.

We wish them continued success and encourage more students to take advantage of such valuable learning opportunities.



SAMALETI SWATHIKA
ID: 22QM1A0122

An Overview of The Unconditional Love of Animals



Thanks to my affectionate pets, I can take a moment of appreciation towards the creatures inhabiting our earth. Because of my love for animals, I have always fought for their welfare and rights. In this write-up, I will explain my view of animals and the compassion, respect, and protection that I believe they deserve.

It is truly remarkable how a pet does not care about anything except loving and cherishing their owner. The offer of love and attention from my side is more than enough for my pets. Their only concern is the affection and attention I show towards them while providing me with unconditional joy and comfort. I deeply value this kind of love.



The Cognitive and Emotional Aspects of Animals

Animals are perceived with a lot of doubts in terms of their intellect or feelings. However, the fact remains that they are sentient creatures capable of feeling, thinking, and loving. My pets have their personalities, peculiarities and skills. They can experience happiness, anxiety, and sorrow. That emotional depth is what makes them very relatable and likable by us.

My College **KG Reddy College of Engineering and Technology** in Moinabad, Hyderabad, India is home to an animal shelter, making it an ecosystem for a variety of animals. The college's campus is home to dogs, cats, pigeons, ducks, turkeys, hens, and rabbits.

The college aims to make the campus plastic-free and to create a sustainable future.

The college encourages students to be conscious of the environment, animals, and people.

The significance of the shelter is that the well-being of the animals is the responsibility of the students.





BASATI KRANTHI

ID: 24QM5A0106

Dept. of CE | 2023 - 2024

LIFE @ KGR CET



Getting Used to a New Place

- Adjusting to a new campus, classmates, and teachers.
- Attending orientation and making friends to build confidence.



Making Friends & Networking

- Meeting people from different backgrounds.
- Networking with classmates, teachers, and alumni for mentorship and career growth.



Academic Challenges

- Attending lectures, participating in labs, and seeking help ensures success.



Personal Growth & Life Skills

- Learning independence, managing daily tasks like budgeting and cooking.
- Building resilience and essential life skills.



Extracurricular Activities

- Technical clubs, cultural fests, sports, and volunteering.
- Helps in relaxation, teamwork, and leadership development.



Finding Opportunities

- Exploring internships, workshops, and new hobbies.
- Understanding strengths and career paths for the future.



Improving Communication

Skills

- Essential for engineers in teamwork and projects.
- Group discussions, presentations, and peer interactions boost confidence.



Conclusion

Life at KGR CET is a mix of challenges and excitement. By balancing academics and extracurriculars, students transform into independent thinkers, ready for a bright future in engineering and beyond!

◆ Work Hard | Stay Curious | Enjoy the Journey! ◆



A Journey of Achievement in Academics and Cultural @ KGR CET



Achieving success beyond the college campus is a moment of immense pride and joy. I am thrilled to share my recent achievements in **Poster Presentation and Cultural Dancing Events**, where I represented myself and my institution in external competitions. The experience was both **challenging and rewarding**, pushing me to **learn, grow, and perform at my best** -

BHUKYA DHANALAXMI
ID: 23QM5A0106



A Blend of Knowledge and Creativity

Participating in the **Poster Presentation** allowed me to showcase my understanding of civil engineering concepts in a visually engaging way. Competing with bright minds from different institutions made the experience more enriching. The recognition I received for my work reassured me that hard work, creativity, and confidence can lead to success.



Alongside academics, my passion for **cultural dance** led me to compete in an external **dance competition**, where I was able to express myself through rhythm and movement. Performing on stage, in front of a large audience, was exhilarating, and winning in the event added to my excitement and confidence.

Support That Makes a Difference

Although these achievements happened outside the college, the **support and encouragement** from my **Civil Engineering Department at KGR CET** played a significant role. My **Head of Department, all faculty members and friends** motivated me to take on challenges beyond academics and helped me prepare for these competitions. Their belief in my abilities gave me the confidence to perform my best.

A Journey of Growth and Learning

These achievements have strengthened my confidence in both my **technical and artistic abilities**. They have also made me realize the importance of **balancing academics with extracurricular activities**, as both contribute to shaping a well-rounded individual. I am grateful for these opportunities and look forward to more such experiences that allow me to **explore, learn, and make my institution proud**. To all my fellow students—never hesitate to step out of your comfort zone. There's a world full of opportunities waiting for you!





Winning the **Cadothon**: A Journey of Innovation & Departmental Support



Participating in and ultimately winning the **Cadothon** was a defining moment in my academic journey. The competition was not just about showcasing technical skills but also about self-confidence perseverance, and innovative thinking. Throughout this journey, the support from my department played a pivotal role in helping me to achieve success.

BADIKELA UDAY KIRAN
ID: 23QMSA0104

Cadothon: A Journey of Innovation and Teamwork

The Cadothon challenged participants to develop real-world solutions using technology and creativity. From the announcement, our department actively encouraged participation, providing guidance, resources, and mentorship that gave us the confidence to take on the challenge.

Mentorship and Skill Development

Our journey began with intensive brainstorming and research. Faculty-led mentorship sessions helped refine our ideas into a feasible solution. Workshops on project management, coding, and presentation skills further strengthened our execution strategy, while access to labs and software enabled us to bring our concept to life.

Overcoming Challenges with Support

With the competition nearing, pressure was high, but unwavering faculty and peer support kept us motivated. Head of the Department and Faculty members provided both technical guidance and moral encouragement, ensuring we stayed on track despite obstacles.



Victory and Lessons Learned

On the final day, we presented our project confidently. The judges were impressed with our research and execution, and when our team was declared the winner, it was a proud moment for us and our department. This experience reinforced the importance of teamwork, resilience, and institutional support in fostering innovation.





A JOURNEY TO REMEMBER: FOUR YEARS OF GROWTH, LEARNING, AND BONDS AT KGR CET

POTHULA MAHESH
ID: 22QM5A0135

As I pen down these words, I find myself overwhelmed with emotions, looking back at the incredible four-year journey at KG Reddy College of Engineering and Technology (KGR CET). From the very first day stepping into the campus with dreams in our eyes, to now walking out with skills, memories, and lifelong friendships, it has been a truly transformative experience.

The Civil Engineering department has not only given us technical knowledge but has also instilled in us the importance of ethics, sustainability, and social responsibility in engineering. Our classrooms turned into vibrant spaces of discussion and innovation, thanks to the constant support and mentorship of our dedicated faculty members.

Be it the early-morning site visits, sleepless nights preparing models for competitions, surveying under the sun, or celebrating cultural fests and farewell events – every moment added a unique chapter to our story. We grew not just as students, but as individuals ready to step into the real world.



We are grateful to our Head of Department, all our professors, lab assistants, and the non-teaching staff who stood by us throughout this journey. Their constant guidance played a significant role in shaping our careers.

As we bid farewell to these unforgettable corridors, we carry forward a legacy of learning, leadership, and camaraderie. Here's to new beginnings – but with hearts full of gratitude for all that we experienced here.

.By P. Mahesh, Final Year, B.Tech Civil Engineering





చిత్తలంటే నా కల
 నా కేవలం కోర్కె మీదా చేతులు
 దేవుని చూటి వెళ్తుంటే చూడకుండా
 మనం వెళ్తున్న దిశలో ఎవరూ కోసం
 నేను ఇరు అడుగుల పుడమిలో విడిచిపెట్టి దిద్దుతుంటే
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 తప్పుడు pubans actor అంటే మంచి వేరేమీ...
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 ఆదే ఏ నిజమే అంటే...
 ప్రపంచంలో ఏదీ... అంటే to make breaking news
 second to second update...
 వేరేమీ అంటే ఏ ప్రపంచం... మీరు ఏ వాటిని ఏ అప్పుడు గొప్పగా...
 మరువారే...
 మీరు తెలుసుకుంటున్నప్పుడు... మీరు ఎవరో?
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 నా కేవలం ప్రపంచం ఎలా ఉంటుందో తెలుసా...
 అంటే చివరకు విను...
 నేను నేను ఆ కలనే కట్టి వేసుకుంటే కొట్టివేస్తుంటే
 అప్పుడు మళ్ళా వెంటే అంటే ఎవరో... నేను భారత భూమిలో
 మనం నా కల
 గుండెల పుట్టింది ఎవరూ తెలుసా చూడండి.

నా కలలో చూడకపోతే... నా కలలో... నా కలలో...
 నేను నేనుగా భూమిలో నివారించినా... నేను...
 నేను నివారించినా భూమిలో ఎవరూ... నేను...
 నేనే నేనుగా ఆ కల ప్రపంచం వేరేమీ
 నాలో నేను అంటే నేనే నాలో వచ్చిన నా భార్య...
 నా భార్యే భార్యల ప్రపంచం... అంటే నేను... నేను...
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 నా భార్యల ప్రపంచం చూడండి నా కలలో...
 నేనే భార్యల ప్రపంచం, నేనే తెలుసా... నేనే...
 — చివరకు... మనం... —



MARAPAKA DEEPTHI
ID: 22QM1A0115

B-Tech Civil III Year – II Sem



- May 2025

Ask yourself...

Is Plastic can be replacable ?

Seems like a time waste or a simple one but this was completely ruined my brain, I know this can be a big statement but yes I think it can. We know the major problems of plastic. According to the Times of India April, 2024 survey India was gained first place in the production of plastic waste with 9.3 million tonnes actually this was nearly one fifth of global plastic emission. I was thinking that we need to replace plastic because by disposing and burning isn't a complete solution. We need to stop production so we need a replacement.



Mycelium will be the future saviour



By aiming the packaging sector we can make an eco friendly, cheap, durable, innovative material with mycelium which can mould into a wrapper, cover, roller, food storing package and etc With having lot of advantages like fire resistance, cost affective, made from waste, lightweight and majorly it is a sustainable material. Where mycelium is a thread like structures related to a mushroom family.

If we succed with growing and moulding this to our desired product it will be a great revolution. so we looking deep into it and Madly wanted to work this out. May be now I can't One day i will.



LINGAMPALLI NAGA
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II Year-II Sem, B-Tech
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Celebrating Growth and Opportunity: My B.Tech 3-2 Journey at KG Reddy College of Engineering and Technology

This semester marked a significant milestone in my academic journey as I successfully completed my third year, second semester of B.Tech in Civil Engineering at KG Reddy College of Engineering and Technology. The semester was packed with new learning experiences, hands-on projects, and opportunities that have shaped my technical and professional skills.

A highlight of this semester was the introduction of the Revit software course by our Civil Engineering department. Over an intensive two-week period, we were trained in the fundamentals and advanced features of Autodesk Revit, a leading Building Information Modelling (BIM) software widely used in the construction industry. Through project-based assignments, I gained practical experience in creating detailed 3D models, visualizing complex structures, and understanding the integration of various building systems. This hands-on exposure not only improved my technical proficiency but also taught me the importance of collaboration and precision in civil engineering projects.

The knowledge gained from the Revit course proved invaluable, as it enhanced my ability to approach design challenges with modern digital tools and prepared me for industry expectations. Revit's capabilities in resource management, accurate modeling, and advanced visualization have given me a competitive edge as I look forward to campus placements.

Another proud achievement this semester was my selection for the Ideas to Impact Challenge (i2I 2.0) hosted by IIT Madras and the Wipro Foundation. My project, "Redrock: A Sustainable Carbon-Negative Building Material," was chosen for its innovative approach to sustainability in construction. This national-level challenge encourages students to develop solutions that can transform the future of building materials and construction practices, and being a part of it has inspired me to think creatively about environmental impact and resource efficiency.

Throughout the semester, the support and encouragement from my mentor and faculty members were instrumental in my growth. Their guidance motivated me to deepen my knowledge, sharpen my essential skills, and confidently face both academic and professional challenges. The lectures and project work not only prepared me for semester examinations but also broadened my understanding of the civil engineering field and its real-world applications.

As I reflect on this semester, I am grateful for the opportunities to learn, innovate, and collaborate. The experiences gained have strengthened my foundation and prepared me for the next steps in my academic and professional journey. I look forward to applying these skills in future projects and contributing to the advancement of sustainable construction.