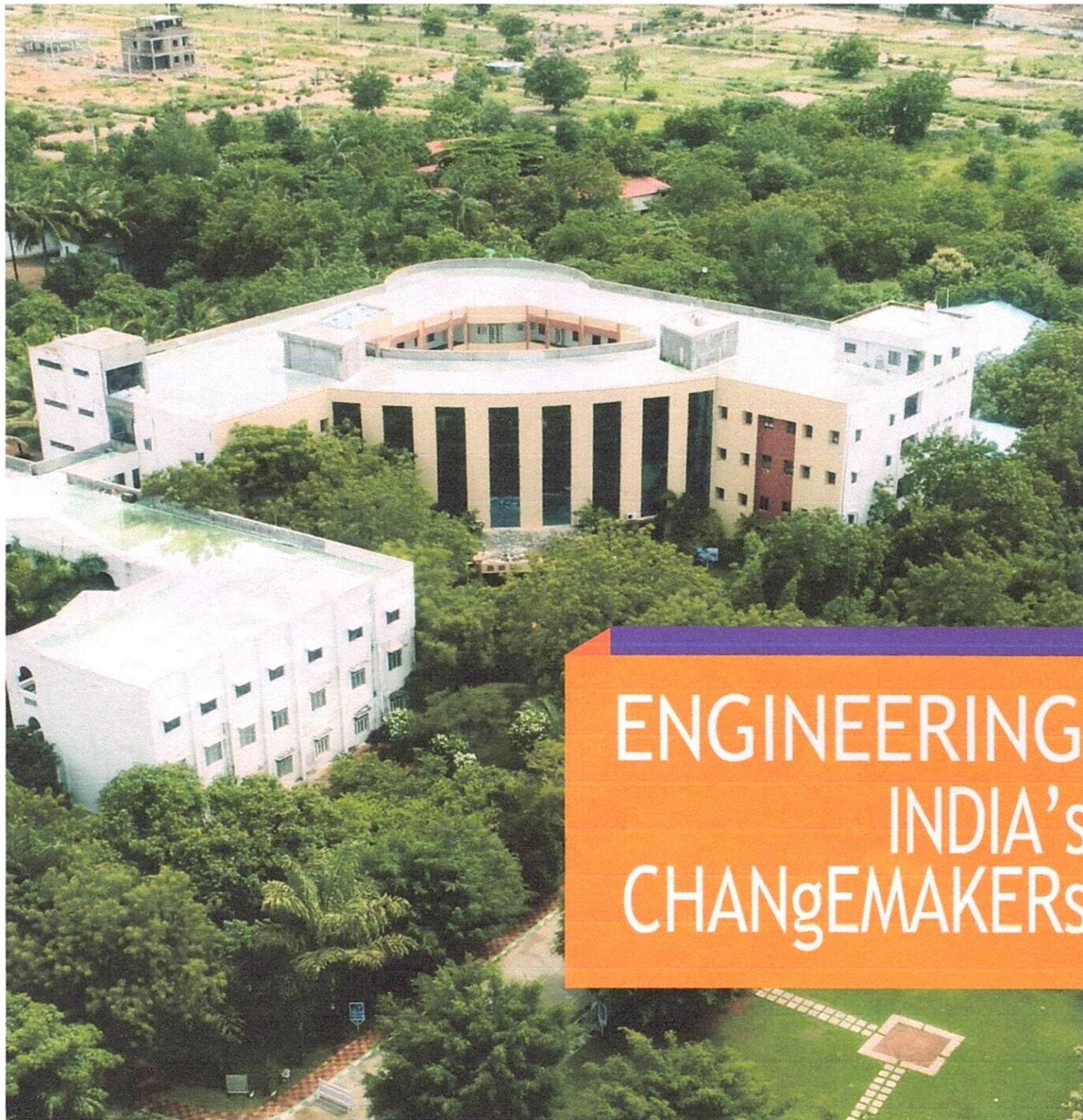


**VOLUME 15 2023-2024**



**ENGINEERING  
INDIA'S  
CHANGEMAKERS**

# VISION AND MISSION OF THE 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.

## MISSION

- To offer undergraduate and postgraduate programs which are supported through industry relevant curriculum and innovative teaching and learning processes that would help students to succeed in their professional careers.
- To provide faculty and students with an eco system 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.

## **VISION AND MISSION OF THE DEPARTMENT**

### **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.

## **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.

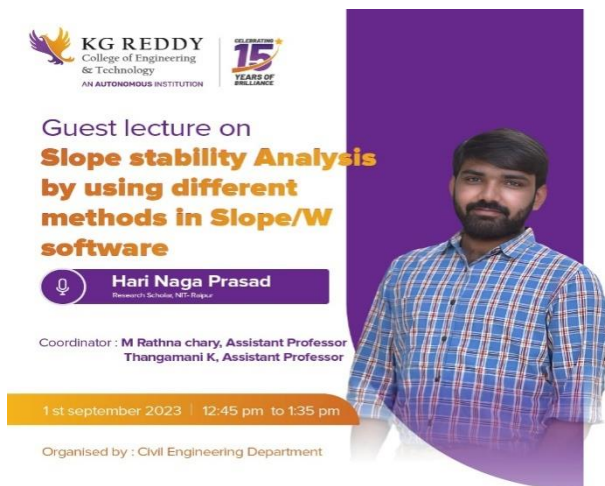
**PEO3:** Graduates will transform into change makers who will work towards societal development and advocate for equity, social justice, and sustainable development.

## Department of Civil Engineering

### Activity details for month of September

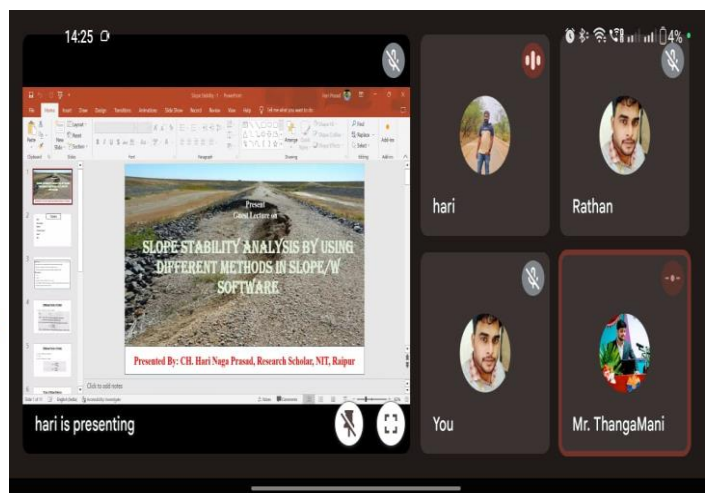
#### 1. Guest Lecture on “Slope Stability analysis by using different methods in Slope/W Software”:

Department of Civil Engineering had organized a guest lecture on the topic " Slope Stability analysis by using different methods in Slope/W Software " on 1st September, 2023 for our final year students of the Department of Civil Engineering, KGR CET, coordinated by Mr. Rathna Chary M and Mr. Thangamani K, Assistant Professor, Department of Civil Engineering. The eminent expert Mr. Ch. Hari Naga Prasad, Ph. D, Research Scholar, Department of Civil Engineering, NIT, Raipur, CG had been invited to deliver the lecture. The Session was carried out online by the resource person through google meet. The session started with the brief introduction of the resource person by Mr. M. Rathnachary, Assistant Professor, Department of Civil Engineering, KGR CET. Mr. Naga Prasad, explained to the students about overview of the slope stability analysis and Slope/W software. He mentioned the importance of slope stability analysis by stating it is a static or dynamic, analytical, or empirical method to evaluate the stability of slopes of soil- and rock-fill dams, embankments, excavated slopes, and natural slopes in soil and rock and this can be evaluated by using different slope stability analysis software's. He mentioned that, Slope/W is the leading slope stability software for soil and rock slopes, analysing both simple and complex problems for a variety of slip surface shapes, pore-water pressure conditions, soil properties, and loading conditions. During the session students participated actively and interacted with the resource person.



The poster includes the following text:

- KG REDDY** College of Engineering & Technology AN AUTONOMOUS INSTITUTION
- 15 YEARS OF BELLANCE**
- Guest lecture on Slope stability Analysis by using different methods in Slope/W software**
- Hari Naga Prasad** Research Scholar, NIT, Raipur
- Coordinator: **M Rathna chary**, Assistant Professor, **Thangamani K**, Assistant Professor
- 1st september 2023 | 12:45 pm to 1:35 pm
- Organised by : Civil Engineering Department



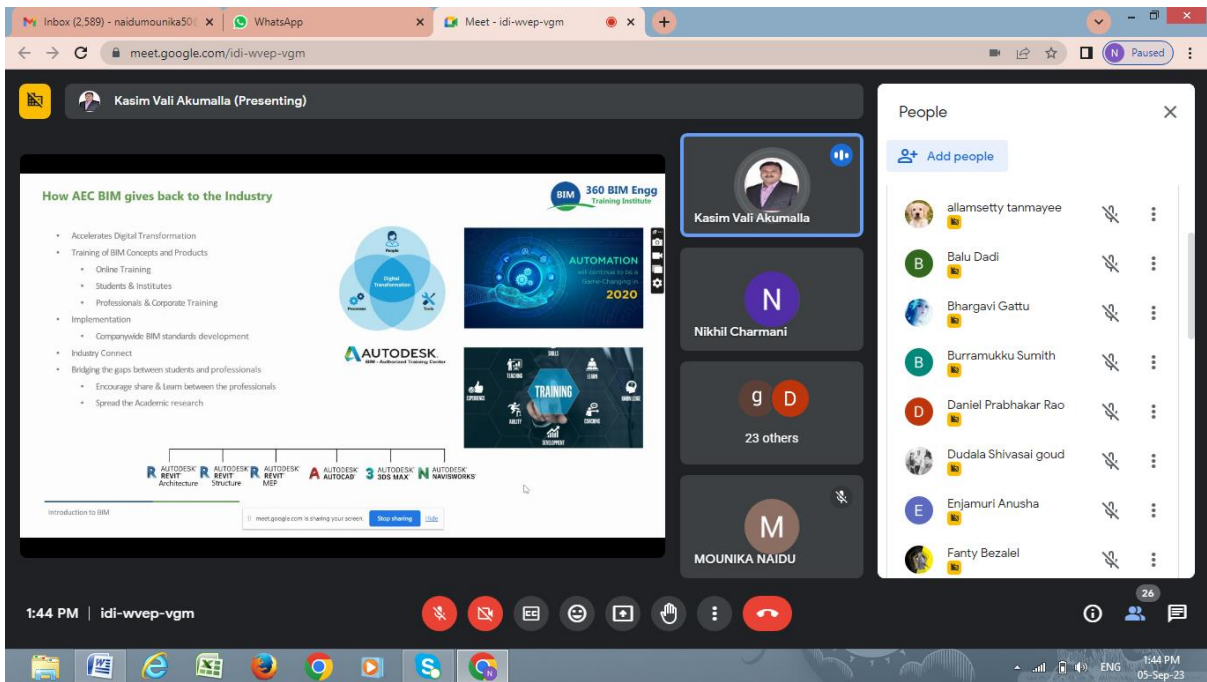
**Figure 1:** Mr. Hari Naga Prasad is presenting about the importance of the topic.



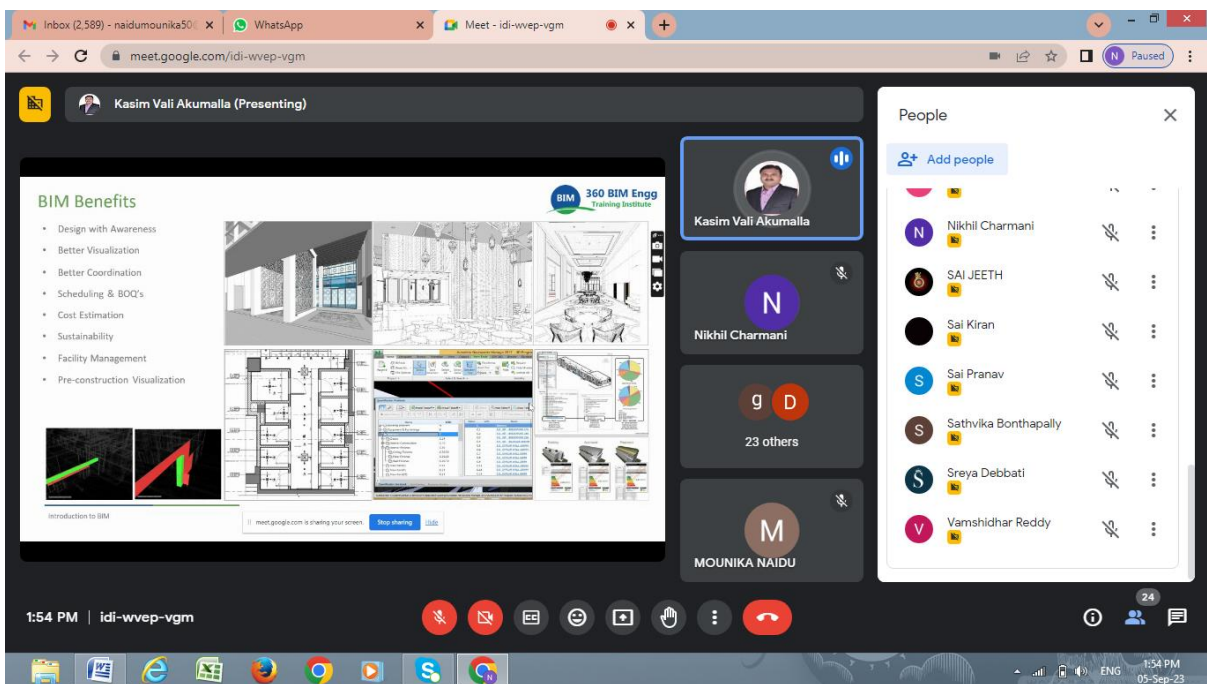
**Figure 2:** Students listening to the resource person.

## **2. Inauguration of Certification Course on “Building Information Modelling (BIM) Using Revit”:**

Department of Civil Engineering in association with Green Construction Club inaugurated Certification Course on BIM Using Revit through Online mode on 5<sup>th</sup> September, 2023 for B.TechIII<sup>rd</sup> year-I<sup>st</sup> Sem students as a part of co-curricular activity co-ordinated by Mrs G Mounika and Mr G Venkata Sai Prasad, Assistant Professor, Department of Civil Engineering. On the inaugural day, the session was taken by Mr Kasim Vali Akumalia, Chairman, 360 BIM Solutions. Nearly 40 Students has been registered for this course. Revit is a powerful BIM tool that has many benefits for architects, general contractors, sub-contractors, estimators, and fabricators. It allows these different trades to design, simulate, and manage building projects efficiently. Revit improves accuracy, enhances collaboration, and streamlines project management. It is foundational to digitally transforming firms to meet industry demands. BIM gives engineers the ability to optimize workflows, improve operational efficiency, and reduce project risk to successfully deliver projects on time.



**Figure 3:** Mr. Kasim Vali Akumalla, Chairman, 360 BIM Solutions presenting about the importance of the course with respect to industry requirement.

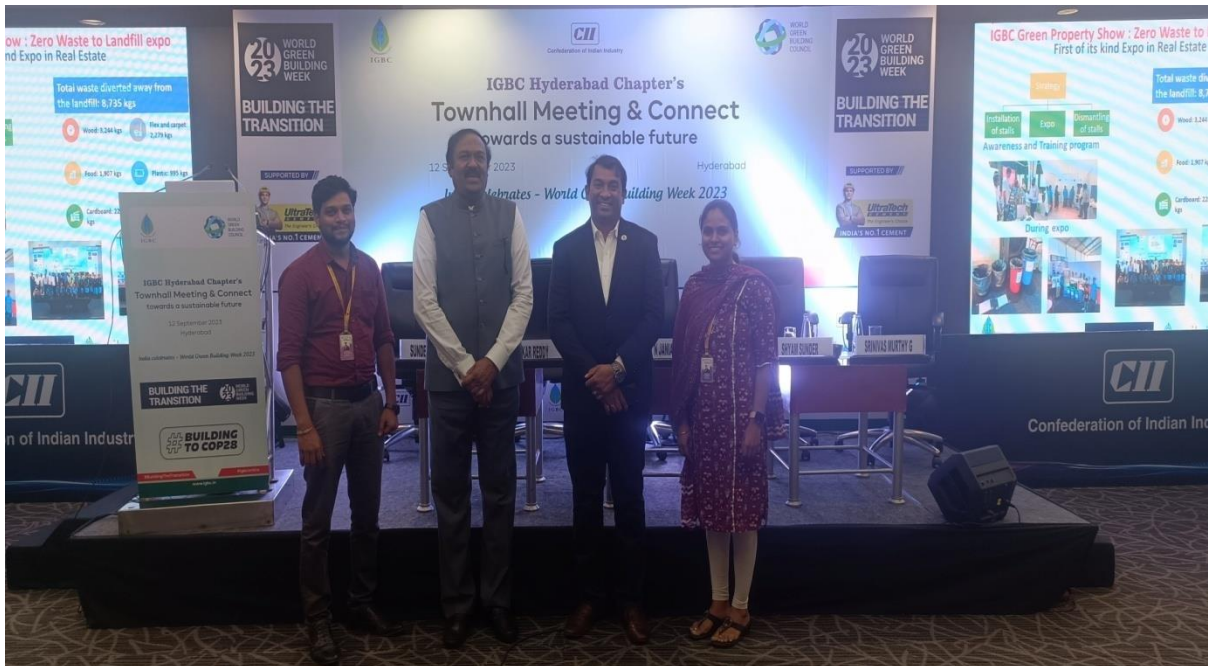


**Figure 4:** Mr. Kasim Vali Akumalla, Chairman, 360 BIM Solutions presenting about the benefits of BIM.

### **3. Industry- Institute interaction:**

Faculties from Civil Engineering Department Mr Thangamani K and Mrs G Mounika Naidu attended IGBC Hyderabad Chapter’s Townhall meeting at HICC, Novotel & connect, towards a Sustainable future on 12<sup>th</sup> September, 2023. Both the faculties interacted with Mr C Shekar Reddy, Chairman-CII-Indian Green Building Council, Hyderabad and Mr Sundeeep

Vullikanti, Senior Counsellor, CII- Indian Green Building Council discussed many points including, Vision, Mission of the Civil Engineering Department, KG Reddy College of Engineering & Technology, Hyderabad, which could lead to sustainable future. Also mentioned curriculum details and taken concepts related to green education. Our faculties also got a chance to interact with other delegates from different construction companies who participated and presented their ideas for the sustainable goals implementation in our country on that day. Net Zero Concept was also explained by respected Chairman, IGBC, Hyderabad.



**Figure 5:** Mr Thangamani K and Mrs G Mounikawith Mr C Shekar Reddy, Chairman, IGBC, Hyderabad.

#### **4. Inauguration of Indian Green Building Council (IGBC) Student Chapter & Seminar on “Green Buildings”:**

Department of Civil Engineering had organized inaugural ceremony of **IGBC, Student Chapter** on 20<sup>th</sup> September, 2023 at KGR CET followed by a **Seminar on Green Buildings**. The main motto behind establishing the Student Chapter at KGR CET is to provide a platform to the students where they can interact with their peer group from around the section and with the professional members from around the globe. Several activities that would help the students in fostering their core knowledge and at the same time nurture their leadership and managerial skills are being planned as part of the academic year. In the inauguration Ceremony, Distinguished Chief guest Mr. C. Shekar Reddy, Chairman, IGBC, Hyderabad, Mr. Sundee V, Senior Counsellor, IGBC, Hyderabad, Honourable Chairman, Mr. K. Krishna Reddy, KGR CET, Respected Principal Dr. Y. Vijayalata, KGR CET, Respected, HOD, Civil, Dr. Soumya Singha, faculties, and students of Civil Engineering Department, KGR CET were present. All the dignitaries addressed to the gathering. Mr. Sundee V, Senior counsellor demonstrated to the students about the key benefits for students through this student chapter, agenda of IGBC Student chapters, initiative forums, Green Building week celebration, participation in design competition, initiation of industry academia interaction, Visits to Green Buildings, opportunity to become a Green Building Professional, New Services and opportunities emerged. He also added the key benefits

institute and the faculty will receive. Students can enrol directly for online certification course on Green Built Environment. Faculties will have the opportunities to be accredited as “IGBC accredited faculty”.

After the inauguration ceremony, the **Session on “Green Buildings”** was taken over by Speaker Mr. Sundeep V. He initially started the session with inception details of IGBC (2001) followed by vision of IGBC. Further, he explained to the students about what are green buildings, need for green buildings, tangible benefits and National benefits through green buildings, history of green buildings, green building rating systems- key areas. He also demonstrated about the Year of inception with a brief detail of CII- Sohrabji Godrej Green Business Centre, Hyderabad, the IGBC HQ and India’s 1<sup>st</sup> Platinum rated Green Building. He stated it was inaugurated by H.E Dr. A P J Abdul Kalam on 14<sup>th</sup> July, 2004. He also gave information that how CII- Godrej GBC (Green Building Congress), IGBC HQ achieved-certified IGBC Platinum rated Net Zero Energy Building. Moreover, he shared the examples of certified green constructions such as India’s First IGBC Platinum, Green Railway Station, Secunderabad Railway Station, L& T Metro Rail (Hyderabad) Limited, Rail Nilayam Secunderabad existing building-Gold rated and many more.



WELCOME TO THE \_\_\_\_\_  
INAUGURATION CEREMONY OF

## STUDENT CHAPTER INDIAN GREEN BUILDING COUNCIL (IGBC)

### SEMINAR ON “GREEN BUILDINGS”

DATE : 20<sup>TH</sup> SEPTEMBER 2023 | TIMINGS : 10.00 AM | VENUE : SEMINAR HALL

Organized by : Department of Civil Engineering



**MR. C. SHEKAR REDDY**

Chairman, IGBC Hyderabad Chapter

**MR. SUNDEEP VULLIKANTI**

Secretariat, IGBC Hyderabad Chapter



**Figure 6: Inauguration Banner**



**Figure 7:** Welcoming address by HOD.

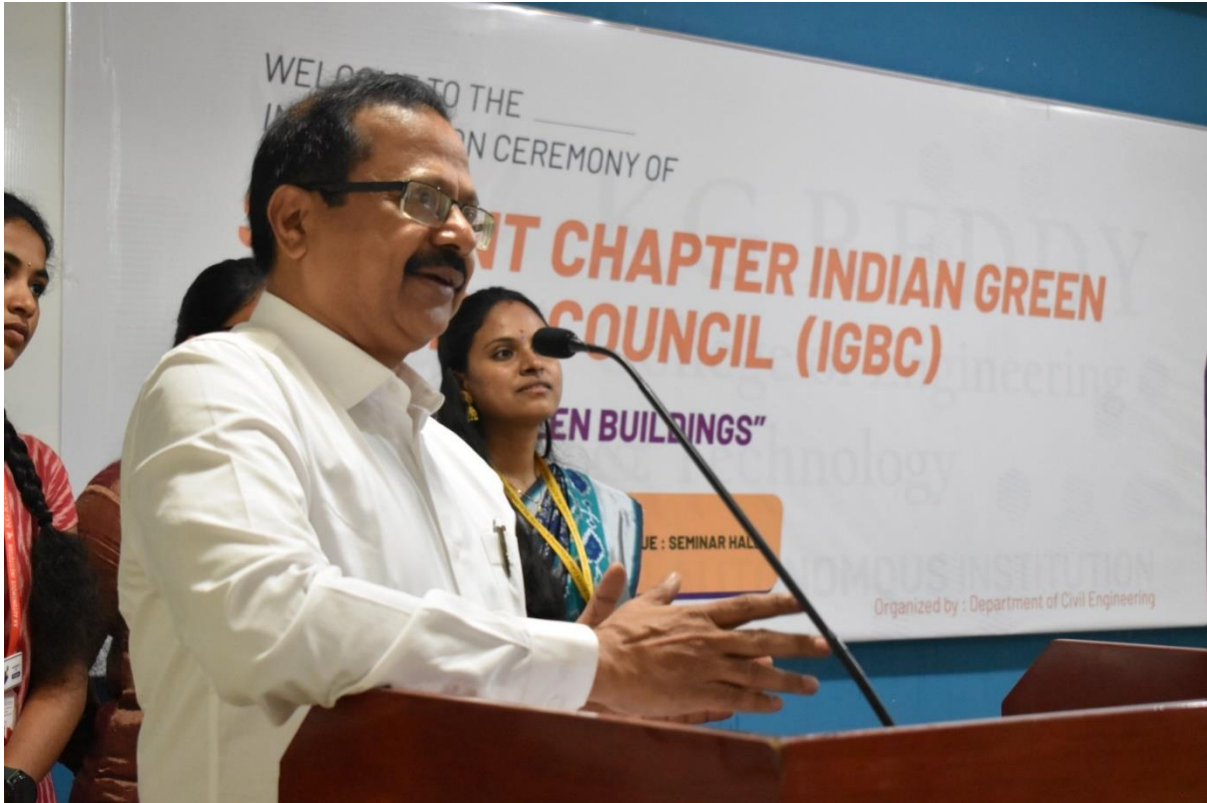


**Figure8:** Dr. Soumya Singha, HOD, Civil Engineering Department, addressing to the students about the significance of a professional society in a life of a student.

**Figure 9:** Dr. Y. Vijayalata, Principal, KGR CET addressing to the gathering on occasion of



inauguration ceremony of IGBC, Student Chapter.



**Figure 10:** Honourable Chairman, KGR CET, Mr. Ln. K. Krishna Reddy addressing to the students.



**Figure 11:** Honourable Chairman, IGBC, Hyderabad Mr. C. Shekar Reddy addressing to the students on Sustainability and how Civil Engineers role is important in Green Construction in future.



**Figure 12:** Hand Over of KG Reddy College of Engineering & Technology, **IGBC Student Chapter Certificate** to Dr. Soumya Singha, HOD, Civil along with faculty Coordinator-Mrs. Mounika Naidu and Student coordinators by Mr. C. Shekar Reddy, Chairman, IGBC, Hyderabad.



**Figure 13:** Mr. Sundeep V explaining on Green Buildings.



**Figure 14:** Students listening to the speaker on Green Buildings.



**Figure 15:** Mr. Sundeep V, Senior Counsellor, IGBC Hyderabad giving information about IGBC initiatives.



**Figure 16:** Felicitating our distinguished guest, Mr. C. Shekar Reddy, Chairman, IGBC, Hyderabad.



**Figure 17:** Felicitating to Mr. Sundeep V, Senior Counsellor, IGBC, Hyderabad.



**Figure 18:** Group Pic with students, faculties of Civil Department, Principal, Chairman, KGR CET and Senior Counsellor and Chairman, IGBC, Hyderabad.



**Figure 19:** Honourable Chairman IGBC, Hyderabad presenting “Coffee Table Book” Vol. 5, showcasing 100 IGBC Green Certified projects across India to our Honourable Chairman, KGR CET.

## **5. Orientation program for IInd year students:**

Department of Civil Engineering had conducted orientation program for B.TechIInd year students on 9<sup>th</sup> September & 11<sup>th</sup> September, 2023 for Lateral Entry and Regular Students. The main objective of this program was to give them a glimpse of the various activities (academics, co-curricular and holistic student development) carried out by the department. All the students assembled in the T-414 Classroom. The program was hosted by Mr. Rathna Chary, Associate Head, Civil Department where he briefed about the highlights of our department to the students stating from Vision, Mission of our department, PO's, PEOs and PSOs. He also informed about the various clubs and associated activities carried out through each club. In sequence, all faculties interacted with the students and they briefed about their profiles. Mr.G.Venkat Sai Prasad, Assistant Professor, CE has explained about technical training and placement also informed the students about the importance of T&P and what skill required to get on campus placements. Dr.Durga, Assistant Professor, CE explained the students about importance of R & D and how to plan their mini and Major Projects with industrial real time projects and briefed them how it is going to help them in their career growth. Then, students were taken to the different labs and the respective lab coordinators briefed about the importance of all labs in Civil engineering fields. After the lab visit followed by lunch, Miss. K.Hima Bindu, Assistant Professor, CE had explained about effectiveness of Teaching and Learning through Pedagogical activities, and lastly the program ends with the vote of thanks given by Mr. Rathnachary, M, Assistant Professor & Associate Head, CE, KGR CET.



**Figure 20:** Mr. Rathna Chary M giving overview of the Department.



**Figure 21:**Mr.Rathna Chary Mexplaining about different clubs in college.



**Figure 22:**Dr.Durga explaining the students about importance of R & D.



**Figure 23:**Mr.GVenkat Sai Prasad addressed about Training &Placement activities.



**Figure 24:**Ms. K.Hima Bindu presenting classroom activities.

## **6. Faculty Achievements:**

### **A. Registration in Ph.D.:**

- 1) **Mrs.G. Mounika Naidu and Mr.K.Thangamani** Registered for Part Time Ph.D in SR University,Warangal.

### **B. Presentation in International Conference:**

1. **Mr. Thangamani K** presented his research paper on “**Study on Permeability Characteristics of Different Soils in Landfill**” in 15<sup>th</sup> International Conference on Material Proceedings and Characterization (ICMPC 2023) held in Northumbria University, London, held on 5,6<sup>th</sup> and 7<sup>th</sup> September 2023 through virtual mode.

2. **Ms.K.Hima Bindu** presented her researchpaper on “**Experimental Studies on Mechanical Properties of Copper slag Reinforced Concrete Beams under Static**

**Loading**” in 15<sup>th</sup>International Conference on Material Proceedings and Characterization (ICMPC 2023) held in Northumbria University, London, held on 5,6<sup>th</sup> and 7<sup>th</sup> September 2023 through virtual mode.

**3. Mrs.G.Mounika** presented her research paper on “**Stabilization of Petroleum Contaminated Red Soil by Using Lime**” in 15<sup>th</sup> International Conference on Material Proceedings and Characterization (ICMPC 2023) held in Northumbria University, London, held on 5,6<sup>th</sup> and 7<sup>th</sup> September 2023 through virtual mode.

**4. Mr. Jagadish Shrisaila Haranatti** presented his research paper on “**Experimental Investigation on Black Cotton Soil Stabilized with Geo Synthetic Material (Bamboo Fiber)**” in 15<sup>th</sup> International Conference on Material Proceedings and Characterization (ICMPC 2023) held in Northumbria University, London, held on 5,6<sup>th</sup> and 7<sup>th</sup> September 2023 through virtual mode.

**5. Mr.G.Venkata Sai prasad** presented his research paper on “**Experimental study on Eco-Bricks used for Construction**” in 15<sup>th</sup> International Conference on Material Proceedings and Characterization (2023) held in Northumbria University, London, held on 5,6<sup>th</sup> and 7<sup>th</sup> September 2023 through virtual mode.

**6. Mr.M.Rathna Chary** presented his research paper on “**Properties of Concrete by Partial Replacement of Cement by using Sawdust and Eggshell Powder Material Metakaolin**” in 15<sup>th</sup> International Conference on Material Proceedings and Characterization (ICMPC 2023) held in Northumbria University, London, held on 5,6<sup>th</sup> and 7<sup>th</sup> September 2023 through virtual mode.

### C. Publications in Journals:

**1. Mr.M.Rathna Chary** published his research paper on “**Face Detection and managing attendance by using raspberry Pi**” in **ESDA 2021 Energy Systems, Drives and Automations** pp 343–352, Part of the Lecture Notes in Electrical Engineering book series (LNEE, volume 1057), Scopus Indexed Journal. [https://link.springer.com/chapter/10.1007/978-981-99-3691-5\\_30](https://link.springer.com/chapter/10.1007/978-981-99-3691-5_30)

**2. Dr.T.S.Ramesh Babu** published his research paper on “**Investigation of Fiber Reinforced concrete -Energy Absorption capacity with Steel and Polymeric Fibers**” in **Material Today Proceedings**, Scopus Indexed, <https://doi.org/10.1016/j.matpr.2023.08.076>

**3. Dr.T.S.Ramesh Babu** published his research paper on “**Impact of Mechanical and Durable Properties of Rubber and Copper slag Based Geo Polymer Mortar using various Sodium Hydroxide Molarities and Proportions of Alkali activator solutions**” in **Journal of Mining and Environment**, Scopus Indexed Journal.

**4. Mr.K.Thangamani** published his research paper on “**Evaluating the Potential of Bamboo: A Sustainable Alternative for Building Construction**” in **E3S web of Conferences**, Scopus indexed.

## **7. Faculty Participation in FDP/Workshop/ Seminar etc.:**

**1. Dr.T. S. Ramesh Babu**, Associate Professor, Civil, KGR CET, attended the one-week National Level FDP on “**Cloud Infrastructure (AWS)**” from 21<sup>st</sup> to 25<sup>th</sup> August, 2023, Organised by KG Reddy College of Engineering & Technology, Telangana in collaboration with Brainovision Solutions India Pvt. Ltd. & AICTE.

**2. Mr. M. Rathna Chary, Mr. K. Thangamani, Mr. Jagadish SH, Mr. Venkata Sai Prasad, Mr. P. Mahantesh, Miss Himabindu K and Mrs Mohnika S**, Assistant Professor, CE, KGR CET, attended **Monthly seminar on “Mentoring Skills”** by Abhay Singh, Director of Ministry of defence conducted by CEED KGR CET through Online.

## News Letter for the month of October 2023

### **1)Re Sustainability Pvt LTD(Hyderabad Construction and Demolition)**

- An Industrial visit to Re sustainability Hyderabad Construction and Demolition Pvt Ltd, Nagole, Hyderabad. The industrial visit was organized by the Department of Civil Engineering, KG Reddy college of engineering & Technology. This Industrial Visit Hyderabad Construction and Demolition Pvt Ltd, Nagole scheduled on 4<sup>th</sup> Oct 2023. This visit was organized for the final year students of First Semester of Civil Engineering. According to the route and time plan, bus was departed and reached the Hyderabad Construction and Demolition Pvt Ltd, Nagole at 11:30 A.M. Faculty members of Dr.M.Durga & Mr.Thangamani K accompanied students during the visit. The technology and the equipment used for collection of demolition waste recycling process was made familiar and the various processes involved in collection, separation and storage of construction waste and its procedure was explained. Discussion on the difficulties faced and possible solutions to overcome these difficulties was held. Recognizing the need to manage this crisis, GHMC (Greater Hyderabad Municipal Corporation) has set up two processing plants at Jeedimetla and Fathullaguda and has planned two more at Shamshabad and Shamirpet. The Platform served large quantities of C&D waste getting recycled/reused thus bringing in circularity in this stream of waste. The visit proved to be Very much useful for the student for their future as mentioned



**Site Engineer Explanation about the complete plan Explanation about segregation of the project**



**Explanation about the Feeding & Sand washing Tank pre-screening**



**Coarse Aggregates Separation process Fine Aggregates Separation process**



**Group pic of Final Year before Industrial Visit**

## **2) Faculty Industrial Interaction**

Thangamani K & Dr. Durga, working as Assistant professors, has visited Hyderabad Construction and Demolition Pvt LTD at Fathullaguda of Nagole in Hyderabad, on 4-Oct-2023 to discuss with Mr. John Basha from the Sustainability Department, regarding the wealth out of waste, several

initiatives are underway in different parts of the city. He gave a brief tour of their working and followed by the details of the handling process. At that time Faculty discussed about the department vision, mission, PO, PSO.

**Company Profile:** Ramky, with its vast waste management experience, has developed process for scientific management of Construction and Demolition waste converting into valuable recycled products.

Faculty and students gained Skills and Knowledge from the Company and got hands on experience, one of these projects under internship program as a part of the academics.



### **Glimpses of Faculty Interactions with industrial Experts**

#### **3) 12<sup>th</sup> Graduation/Convocation Day :**

12<sup>th</sup> Graduation day was celebrated on 14<sup>th</sup> October, 2022. All the graduating students of civil engineering department were presented certificates. The program was organized by

Department of student's affairs. Toppers of our department were presented gold medal by honourable Chief guest, Prof. B N Murthy, Director of IIT, Hyderabad .



Few Glimpses from Graduation Day

#### **4) Guest Lecture on Research Methodology**

Guest lecture on “**Research Methodology**” is organized by Department of Civil Engineering and Coordinated by Dr. M. Durga, **Associate** Professor, Department of Civil Engineering. The resource person for this lecture is **Dr Raju Ramesh Reddy**, Professor in Ethiopian university. **Session** Started with Introduction to **Research Methodology** and then followed by Explanation to Research Documentation procedure ,Next to that presented Literature Review Importance and then finally briefed the way of Projecting Results and Discussion .



Guest Explaining importance of research Students Attention towards the session

## **5) Faculty Achievements**

### **Publications in Journals:**

- 1. Dr.T.S. Ramesh Babu** published his research paper titled “**Investigation of fiber reinforced Concrete-Energy Absorption Capacity with Steel and Polymeric Fibers**” in Material Proceedings, Scopus Indexed, <https://doi.org/10.1016/j.matpr.2023.08.076>
- 2. Mr.G.Venkata Sai Prasad** Published his research paper on “**Enhancement Penetration Resistance of Load by Using Coconut Coir Fiber and Copper Slag for Unpaved Roads**” in Springer, Scopus Indexed Volume 352, [https://doi.org/10.1007/978-981-99-2676-3\\_12](https://doi.org/10.1007/978-981-99-2676-3_12)
- 3. VijayaKumar, Miryala** Published his research paper on “**An Experimental Study on Partial Replacement of Cement with Sugarcane Bagasse Ash Using Magnetised Water**” in Springer, Scopus Indexed Volume 352, [https://doi.org/10.1007/978-981-99-2676-3\\_61](https://doi.org/10.1007/978-981-99-2676-3_61)
- 4. Dr.T.S. Ramesh Babu** published his research paper titled “**Experimental study of Geopolymer concrete with recycled fine aggregates and alkali activators**” in Case Studies in Chemical and Environmental Engineering journal, Science direct, Scopus Indexed, <https://doi.org/10.1016/j.cscee.2023.100501>.
- 5 Mr.Tangamani.k** published his research paper titled “**Influence of Utilization of Fly Ash as Sand Replacement Agent in Sustainable Flexible Pavement**” in E3S Journal, Scopus Indexed, <https://doi.org/10.1051/e3sconf/202343001174>.
- 6 Mr.M.Rathna Chary** published his research paper titled “**Automated Diagnosis of Pneumonia using CNN and Transfer Learning Approaches**” in E3S Journal, Scopus Indexed, <https://doi.org/10.1051/e3sconf/202343001031>.
- 7 Mr.M.Rathna Chary** published his research paper titled “**Geopolmerization of plastic waste for Sustainable Construction: Unviling Novel Oppurtunities in Building Materials**” in E3S Journal, Scopus Indexed, <https://doi.org/10.1051/e3sconf/202343001204>.
- 8 Mrs.Mounika.G** published her research paper titled “**Influence of Utilization of Fly Ash as Sand Replacement Agent in Sustainable Flexible Pavement**” in E3S Journal, Scopus Indexed, <https://doi.org/10.1051/e3sconf/202343001174>.
- 9 Mr.G Venkata Sai Prasad** published his research paper titled “**Determiation of the estimated cost based on aggregated unit prices using information modelling (BIM) and text mining technologies**” in E3S Journal, Scopus Indexed, <https://doi.org/10.1051/e3sconf/202343001031>.
- 10 Mr.G Venkata Sai Prasad** published his research paper titled “**Methods of Ensuring Information Security in BIM**” in E3S Journal, Scopus Indexed, <https://doi.org/10.1051/e3sconf/202343001190>
- 11 Mr.G Venkata Sai Prasad** published his research paper titled “**Analysis and design of silos by the post-tensioned method**” in E3S Journal, Scopus Indexed, <https://doi.org/10.1051/e3sconf/202343001018>
- 13 Mr. Jagadish Shrisaila Haranatti** published his research paper titled “**Artificial Intelligence in Water Desalination: A Novel Approach For Global Sustainability**” in E3S Journal, Scopus Indexed, <https://doi.org/10.1051/e3sconf/202343001193>
- 14 Ms.K.Hima Bindu** published her research paper titled “**Motorized Smart Roofing system Using IOT For Sustainable development**” in E3S Journal, Scopus Indexed, <https://doi.org/10.1051/e3sconf/202343001098>

15 Ms.K.Hima Bindu published her research paper titled“Eco-Friendly Building Material Innovation Geopolymer Bricks from Repurposed Plastic Waste” in E3S Journal, Scopus Indexed, <https://doi.org/10.1051/e3sconf/202343001201>

## Activity details for month of November 2023

### Faculty Attended FDP From 2<sup>nd</sup> November 2023 to 7<sup>th</sup> November 2023

Mohnika S,G Venkatasai Prasad,Dr.M.Durga,Thangamani K,G Mounika,K.Hima Bindu, Jagadish SH, M Rathna Chary, Mahantesh P, Vijayakumar, attended FDP on “Advancement in Concrete Technology” at “Ballari Institute of Technology and Management”from 2<sup>nd</sup> November 2023 to 7<sup>th</sup> November 2023.





**Dr. TS Ramesh Babu** attended FDP on “**One Week Faculty Development Program on Cloud Infrastructure (AWS)**” in Collaboration with Brain Vision Solutions India Private Limited and AICTE during the period from **21<sup>st</sup> to 25<sup>th</sup> August 2023**.



**Dr.M.Durga**,Associate Professor Attended FDP on “**Advancements in FRP Composites For Structural Applications**”Organised by **Sasi Institute of Technology and Engineering**

Tadepalligudem, AP in Association with Indian Geotechnical Society Guntur Chapter on 22th November 2023



## Conclave Presentation from Department of Civil Engineering

Mr.M Vijay Kumar,Assistant Professor Presented on Innovative Teaching Techniques that was implemented in his Course on 27<sup>th</sup> November 2023.



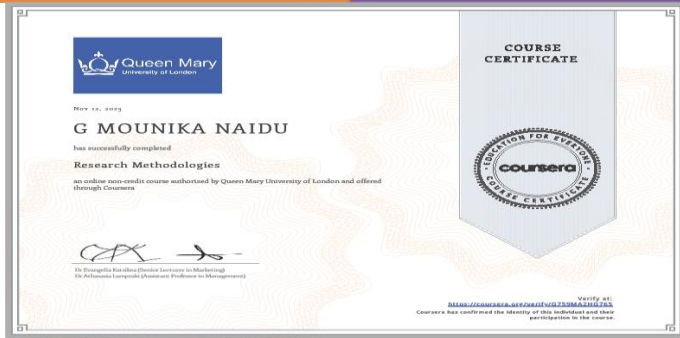
Mr. Vijay Kumar from Civil Engineering Department presenting Student centric Methodologies implemented in his classroom for his course

## Achievements

### Faculty received certificate for completion of Coursera Courses

Faculties Mr Thangamani K and Mrs G Mounika successfully completed 2 MOOC's Courses in Coursera platform on topics **Research Methodologies** and **Understanding Research Methods** on **November 12<sup>th</sup> and 13<sup>th</sup> 2023**. Through this course importance of research and different methods in terms of research has been Understood, Which are very important for the advancement in research area. This MOOC is about demystifying research and research methods. It will outline the fundamentals of doing research, aimed primarily, but not exclusively, at the postgraduate level. It places the student experience at the centre of our endeavours by engaging learners in a range of robust and challenging discussions.





**Ms.K.Hima Bindu** selected for receiving **Teaching and Learning Award in ICTIEE 2024**, **HUBLI** by Executive Director, Indo Universal Collaboration for Engineering Education (IUCEE).

Congratulations on being selected for ICTIEE 2024 Teaching and Learning Award External Inbox x Print Share

**krishna@iucee.org**  
to me ▾

3:02 PM (1 hour ago) ☆ ↶ ⋮

Dear Prof. K. Hima Bindu,

It is my pleasure to inform you that you have been selected for a ICTIEE 2024 Teaching and Learning Award. This entitles you to Free Registration for ICTIEE 2024.

The Award is in recognition of your past role and potential contributions to the KG Reddy College of Engineering and Technology TLC. Please remain active in our BiWeekly INTLC Meetings so that we continue to make concrete plans for your participation in ICTIEE 2024 and in strengthening KGR CET TLC along with other IUCEE TLCs during 2024.

Best wishes  
Krishna Vedula  
Executive Director, Indo Universal Collaboration for Engineering Education (IUCEE)  
Dean Emeritus, University of Massachusetts Lowell

## Activity details for month of December 2023

### Faculty Achievements

- 1) **Dr. V. Srinivasa Reddy**, Professor from Civil Engineering Department Presented a paper titled “**Stress-Strain Behavior of Concrete made with Treated Recycled Coarse Aggregate**” in ICMED Conference at GRIET, Bachupally, Hyderabad
- 2) **Dr. V. Srinivasa Reddy**, Professor from Civil Engineering Department received **Certification of Appreciation** for his services as Session chair for **International Conference on Design and Manufacturing aspects for sustainable Energy(ICMED)** Conference held at GRIET, Bachupally, Hyderabad
- 3) **Mr. Thangamani K**, Assistant Professor from Civil Engineering Department Presented a paper titled “**Experimental Study on Strength of Concrete with Reinforcement of Polypropylene Fiber and Partial Replacement of Cement by Waste Paper Pulp**” in ICMED Conference at GRIET, Bachupally, Hyderabad
- 4) **Mr. Thangamani K**, Assistant Professor from Civil Engineering Department Presented a paper titled “**Experimental Study on Soil Reinforcement with Different Natural Fibers**” in ICMED Conference at GRIET, Bachupally, Hyderabad
- 5) **Mr. S.H Jagadish**, Assistant Professor from Civil Engineering Department Presented a paper titled “**An Experimental Study on the Influence of Ground Granulated Blast Furnace Slag and Coir Fiber in the Stabilization of Black Cotton Soil**” in ICMED Conference at GRIET, Bachupally, Hyderabad
- 6) **Mr.P.Mahantesh**, Assistant Professor from Civil Engineering Department Presented a paper titled “**The Study of Treatment of Domestic Wastewater by Electrochemical coagulation method**” in ICMED Conference at GRIET, Bachupally, Hyderabad
- 7) **Mrs.G Mounika**, Assistant Professor from Civil Engineering Department Presented a paper titled “**Partial Replacement of Plastic Waste in Flexible Pavements**” in ICMED Conference at GRIET, Bachupally, Hyderabad
- 8) **Ms. Himabindu**, Assistant Professor from Civil Engineering Department Presented a paper titled “**Partial Replacement of Plastic Waste in Flexible Pavements**” in ICMED Conference held in GRIET, Bachupally, Hyderabad
- 9) **Mrs. Mohnika Samineni** Assistant Professor from Civil Engineering Department Presented a paper titled “**Partial Replacement of Plastic Waste in Flexible Pavements**” in ICMED Conference held at GRIET, Bachupally, Hyderabad
- 10) **Mrs. Mohnika Samineni** Presented a paper titled “**Prevention of Wrong Route Travelling by Tyre Killers**” in ICMED Conference held at GRIET, Bachupally, Hyderabad
- 11) **Mrs.Mounika**, Green Construction Club Coordinator received **Certification of Appreciation** from A state level Technical fest **Ikarus 2023** held on December 4<sup>th</sup> and 5<sup>th</sup> 2023 in **KGR CET** organized by **Student affairs** for dedication, contribution and enthusiasm in the **Green construction**





## Student Participations

1) P. Mahesh, B. Ravindar and P. Sharathkumar 3<sup>rd</sup> year Civil Students from KGR CET has participated in Volley Ball event in the National Level Inter College Sports Tournament held during ASHWATTHAMA 2023 conducted at Sreenidhi Institute Of Science And Technology from 20<sup>th</sup> November 2023 to 22<sup>nd</sup> November 2023.



## Students Achievements

- 1) Shaik Ayub, 2<sup>nd</sup> year Student won First Position in “RRR (Reduce, Reuse and Reconstruct) (Poster Presentation)” in “A State Level Technical Fest IKARUS 2023” organized by the Department of student Affairs held on 4<sup>th</sup> & 5<sup>th</sup> December 2023
- 2) Shaik Izar, 2<sup>nd</sup> year Student achieved Runner up Position in “RRR (Reduce, Reuse and Reconstruct) (Poster Presentation)” in “A State Level Technical Fest IKARUS 2023” organized by the Department of student Affairs held on 4<sup>th</sup> & 5<sup>th</sup> December 2023.
- 3) Bhukya Dhana Lakshmi, 2<sup>nd</sup> year Student won First Position in “RRR (Reduce, Reuse and Reconstruct) (Poster Presentation)” in “A State Level Technical Fest IKARUS 2023” organized by the Department of student Affairs held on 4<sup>th</sup> & 5<sup>th</sup> December 2023
- 4) A. Bhanu Prakash, P. Ujwala Student's of 2<sup>nd</sup> year won First Position in “DRAFT CAD Competition” in “A State Level Technical Fest IKARUS 2023” organized by the Department of student Affairs held on 4<sup>th</sup> & 5<sup>th</sup> December 2023

- 5) A.Badikela Uday Kiran, 2<sup>nd</sup> year Student achieved Runner up Position in “DRAFT CAD Competition” in “A State Level Technical Fest IKARUS 2023” organized by the Department of student Affairs held on 4<sup>th</sup> & 5<sup>th</sup> December 2023
- 6) Adepu Vardhini, 2<sup>nd</sup> year Student achieved Runner up Position in “RRR (Reduce, Reuse and Reconstruct) (Poster Presentation)” in “A State Level Technical Fest IKARUS 2023” organized by the Department of student Affairs held on 4<sup>th</sup> & 5<sup>th</sup> December 2023



## 1) Guest Lecture on “Rigid Pavement Analysis conducted on “Rigid Pavement Analysis and Design”

Guest lecture on “**Rigid Pavement Analysis and Design**” is organized by Department of Civil Engineering, Coordinated by Mrs. Mohnika Samineni, Assistant Professor, Department of Civil Engineering. The resource person for this lecture, Mr **Rajkumar G**, A Research Scholar, IIT Kharagpur. The session was conducted through Online mode for the IIIrd year Sem I students of Civil Engineering, as a part of their Course Highway Engineering. Nearly 47 students attended this session

### Covered Topics:

- i. Difference between Flexible and Rigid Pavement
- ii. Stress Analysis on Rigid Pavement
- iii. Design of slab thickness IRC 58:2015



Guest Lecture On

### Rigid Pavement Analysis and Design

Date : 21<sup>st</sup> December 2023

Time : 10:00 am - 11:00 am

Venue : Class room (T-406)

Organised by : Department of Civil Engineering



**Mr. Rajkumar, G**  
Research Scholar  
(IIT Kharagpur)

**Few Glimpses from Guest Lecture**

## 2) Workshop On “Mission Life : Life Style for the Environment” held on 22nd December 2023

In a collaborative effort spearheaded by the Center for Innovation in Science and Technology (CIST), Civil Engineering Department conducted an enlightening program named "Mission LiFE: Lifestyle to the Environment" unfolded, bringing together students from the Civil and Mechanical departments. The event, graced by the esteemed presence of Dr. Ramesh from the National Institute of Rural Development and Panchayati Raj (NIRDPR), proved to be a transformative experience for the 85 enthusiastic participants.

Dr. Ramesh, an eminent resource person, led an insightful session that delved into the pressing need of the hour—harmonizing our lifestyles with nature. With a focus on creating awareness about sustainable living, the session provided participants with a profound understanding of the interconnection between individual choices and the environment.



Few Glimpses from workshop

## 3) Annual National Workshop ,Sustainable Technologies in Civil Engineering: Perspectives and Strategies;( STEPS-2023) held on 20 December 2023 at GRIET.

Students of second year attended Annual workshop on Sustainable Technologies in civil Engineering Perspectives and strategies held in GRIET and Few of the Eminent persons such as Er.M.K.Srinivas,Former Chairman, Ganga Flood Control Commission, Govtof India has explained the flood mitigation measures. Ms.Varalakshmi B, Principal Architect , LEED and IGBC Accredited Professional ( AP) has explained green building movement in India.Dr.M.Nagalakshmi , Senior Medical Officer,Govt. Nature Cure Hospital has explained the nature cure methods of improving the immune systems by respiratory health.Mr.Siva Kumar, a grassroot innovator and entrepreneur , has demonstrated the working of his innovative weaving machine ,MODHA Pedal Operating Machine . Students also visited My

Homes Twitza is a Hirise building with twenty floors with corporate offices. It is a gold rated green building by Indian Green Building Council.

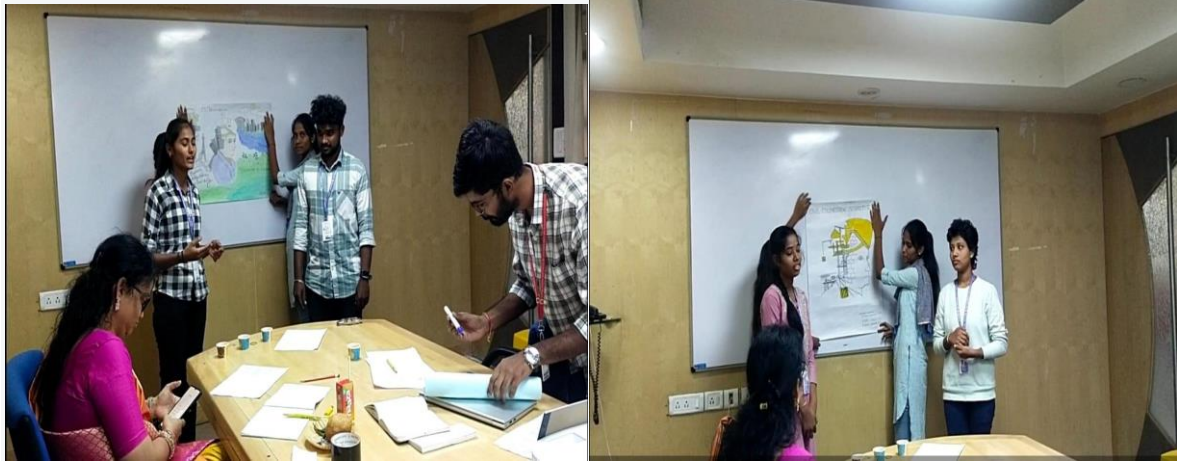


### Glimpses from Annual National Workshop

#### 4) Students Participation in ACCE(I) -UltraTech Awards 2023-poster competition presentation

Association of Consulting Civil Engineers with an aim to Encourage and Foster the ideals of Professionalism in the Civil Engineering field and also to provide Sustainable Civil Engineering Solutions for happier and healthier Society.

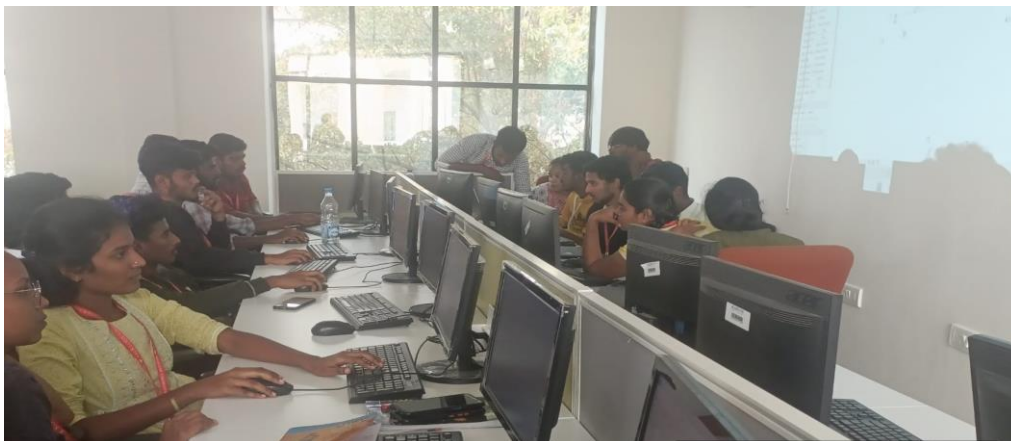
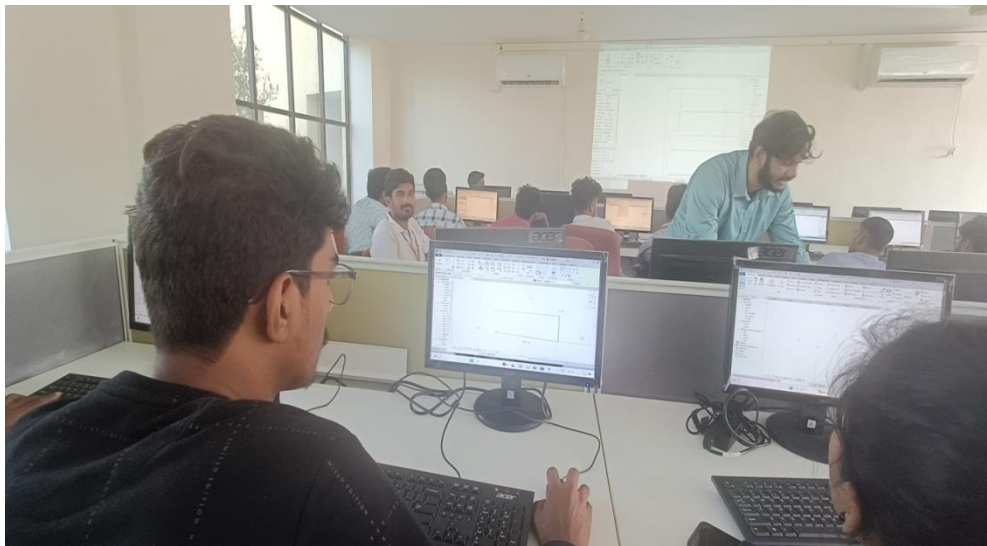
ACCE(I) Foundation was established to raise funds through donations using Web portal for developing innovative ideas, products, awareness programs, publishing technical brochures and address societal problems pertaining to Civil Engineering field. Every year ACCE(I) – UITRA TECH AWARDS will be conducting various competition as a part of this our KGR CET Civil students have participated in poster presentation on Perspectives of Civil Engineering .below is the list of the students participated.



**Few Glimpses from Poster Presentation**

### **5.Completion of Certificate Course on BIM Using Rivet**

Department of Civil Engineering in association with IGBC, AEC BIM Solutions and Green Construction Club completed Certificate Course on BIM Using Rivet on 21-12-2023 which was conducted for IIIrd year- Ist Sem students as a part of co-curricular activity co-ordinated by Mrs G Mounika and Mr G Venkata Sai Prasad. It was conducted by Mr Kasim Vali Akumalia, Chairman, 360 BIM Solutions. Nearly 42 Students has been registered for this course. AEC BIM Solutions India Pvt. Ltd. is a leading professional Engineering & BIM Solutions firm with expertise in providing the Innovative Engineering Design Consulting, BIM Consulting that cater the construction Industry across the globe. BIM gives engineers the ability to optimize workflows, improve operational efficiency, and reduce project risk to successfully deliver projects on time.



## 6. Guest Lecture on Analysis of Indeterminate Structures

Guest Lecture on **Analysis of Indeterminate Structures**, has been conducted for IIIrd year Sem I students, Where Students got detailed information about Indeterminate Analysis, Methods of Indeterminate Analysis, Difference between Determinate and Indeterminate analysis. Resource Person Ms C Mounika, clearly explained that the analyses of

indeterminate beams and frames follow the general procedure described previously. First, the primary structures and the redundant unknowns are selected, and then the compatibility equations are formulated, depending on the number of the unknowns, and solved with relevant examples. Nearly 37 Students of IIIrd year sem I of Civil Engineering Department have attended this All the Students have benefited with the complete knowledge on indeterminate structures and its analysis.



Guest Lecture On

## Analysis of Indeterminate Structures

*Date : 13<sup>th</sup> December 2023*

*Time : 02:00 pm - 3:00 pm*

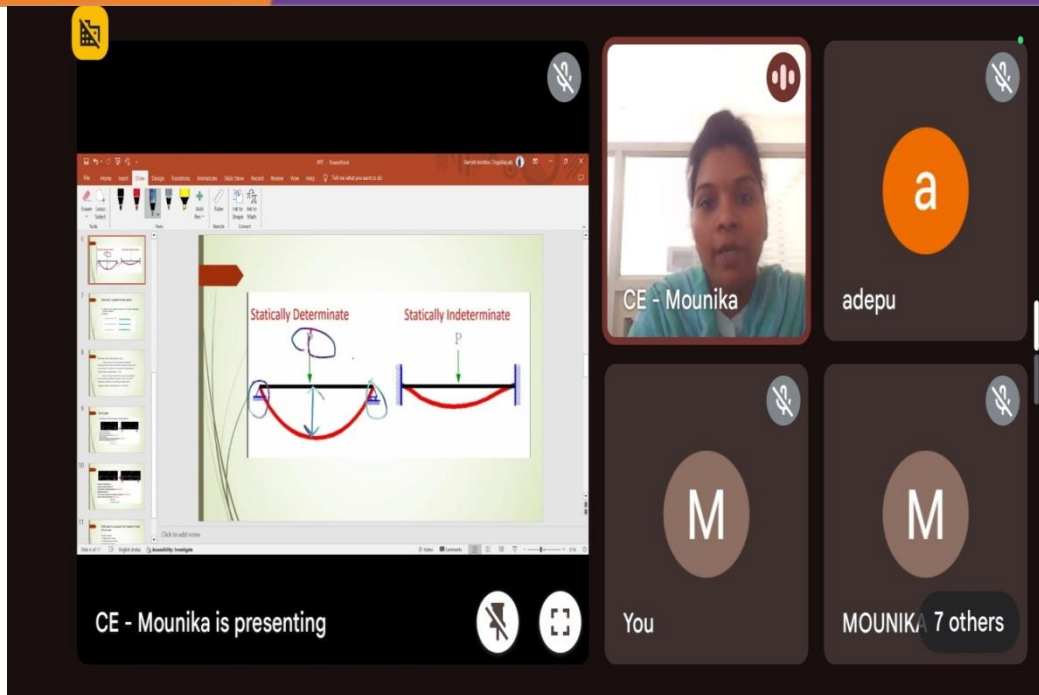
*Venue : Class room (T-406)*

Organised by : Department of Civil Engineering



**Mrs. C. Mounika**

Assistant Professor  
(Vignana Bharati Institute of Technology)



## 7. ONE DAY HACKATHON ON BIM USING RIVET

Department of Civil Engineering in association with IGBC, AEC BIM Solutions, Green Construction Club organized event one day HACKATHON on BIM using Rivet based on their certificate course learning during III-I semester as a part of co-curricular activity. Nearly 42 students have been registered for the certificate course and nearly 32 students participated for the Event on 21st December, 2023.

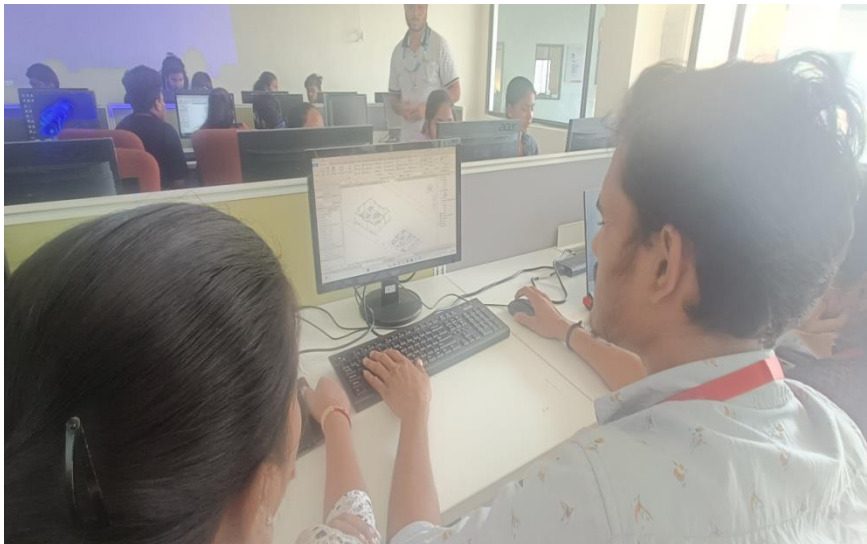


# ONE DAY HACKATHON

Building Information Modeling using REVIT



Organised by : Department of Civil Engineering



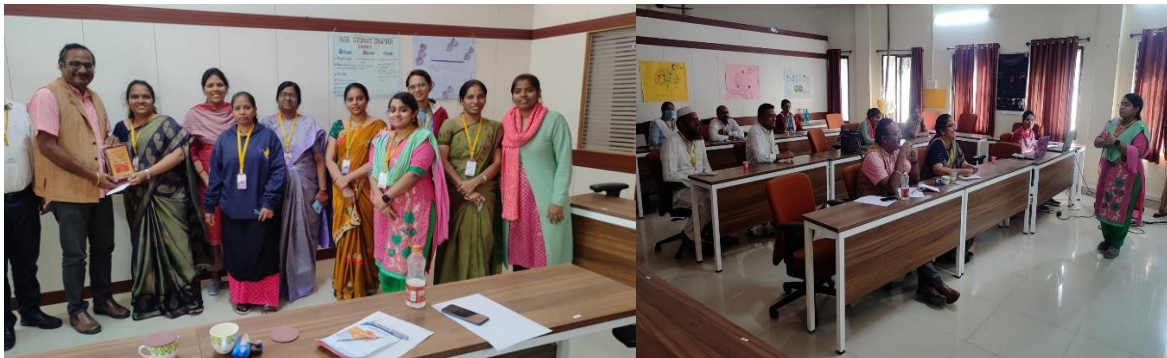
## 8.STUDENT TESTIMONIAL



**I Tanmayee** , B.TechIIIrd year from Civil Engineering Department would like to express my Happiness of being President of **Green Construction Club** - An Emerging Technology Club of our Department and Successfully Coordinating for the **IKARUS -2023** as the Club President. The GCC team was an absolute pleasure to work with. They were very responsive throughout the entire planning process, kept our team updated on changes, and were very accommodating to all our needs. Our Student Affairs had nothing but praise for the Events. We know the program would not have been as successful as it was without their invaluable contributions.

### 9.Faculty Participation in December conclave

Ms. K.Hima Bindu from Civil Department Presented in December conclave her classroomactivities conducted for her course like Think pair&share ,Think pair aloud and send/pass a problem and Explained the Insights Gained for Future Implementation of the activities .



### Few glimpses from December conclave

#### 10. Guest lecture on “Energy Geotechnics & Geostructures”

The Department of civil engineering, KG Reddy College of Engineering & Technology organized a Guest lecture on the course “**Geotechnical Engineering**” having selected the topic was “**Energy Geotechnics & Geostructures**” on 16/12/23 by **offline** mode. The 3<sup>rd</sup> year students were the participants along with few faculties. The guest speaker for this session was Mr. Prashant Hugar, Assistant Professor, Department of Civil Engineering, J.B Institute of Engineering & Technology, Hyderabad. He Initiated the session on thermal performance tests, that aim at obtaining the energy capacity of a system, are differentiated from thermal response tests, which have their origin in the need to determine the soil thermal conductivity in situ. Finally Concluded his session and he interacted with students

Guest Lecture On

## Energy Geotechnics & Geostructures

*Date : 16<sup>th</sup> December 2023*

*Time : 10:30 am - 11:30 am*

*Venue : Class room (T-406)*

Organised by : Department of Civil  
Engineering



**Mr. Prashant Hugar**

Assistant Professor  
J. B. Institute of Engineering and  
Technology, Moinabad, Hyderabad



**Few Glimpses of Guest Lecture**

## Activity details for month of January 2024

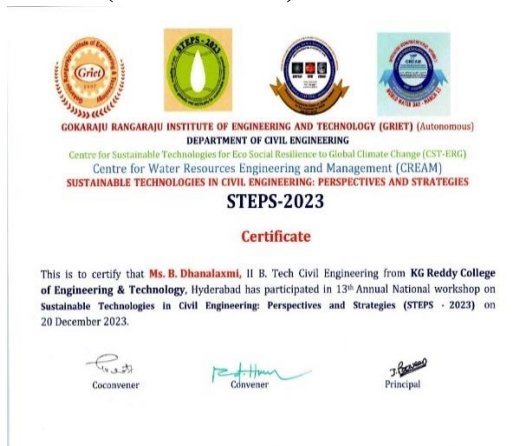
### 1) Faculty Attended Conference

1) Ms. K.Hima Bindu, Assistant Professor from Civil Engineering Department Participated in "11th International conference on Transformation in Engineering Education" held in KLE Technological University, Hubballi with Indo Universal collaboration for Engineering Education (IUCEE) from 2/1/2024 to 4/1/2024



### 2) Student Participation in 13<sup>TH</sup> Annual National Workshop

1) .B.DhanaLakshmi, Mohammad Khadar Baba, Shaik Izar, Ms.S.Swathika, B.UdayKiran, A.Vardhini students of 2<sup>nd</sup> Year from KGR CET has participated in 13<sup>th</sup> Annual National Workshop on Sustainable technologies in Civil Engineering perspectives and Strategies (STEPS-2023) held on December 2023





### Glimpses of Student Certificates

### 3) Certification Courses Completion by Faculty

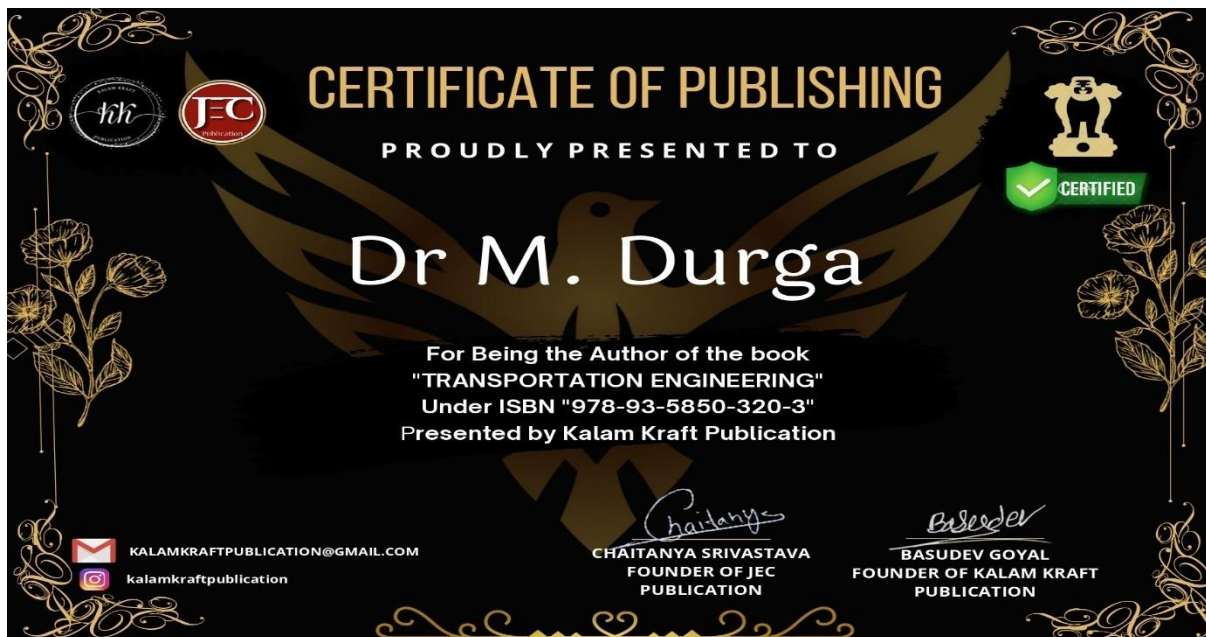
- 1) G .Mounika Naidu Assistant Professor from **Civil Engineering Department** completed Course Era Certification course on “**Material Behaviour** offered by **Georgia Institute of Technology**”
- 2) G .Mounika Naidu Assistant Professor from **Civil Engineering Department** completed Course Era Certification course on “**The Sustainable Development Goals**” – A global, transdisciplinary vision for the future offered by **University of Copenhagen**.
- 3) G .Mounika Naidu Assistant Professor from **Civil Engineering Department** completed Course Era Certification course on “**Circular Economy - Sustainable Materials** offered by **Lund University, EIT RawMaterials, VITO, Geological Survey of Denmark and Greenland, National Technical University of Athens, Ghent University and Delft University of Technology**”
- 4) **K.Thangamani** Assistant Professor from **Civil Engineering Department** completed Course Era Certification course on “**Material Behaviour** offered by **Georgia Institute of Technology**”
- 5) **K.Thangamani** Assistant Professor from **Civil Engineering Department** completed Course Era Certification course on “**The Sustainable Development Goals**” – A global, transdisciplinary vision for the future offered by **University of Copenhagen**.





#### 4) Faculty Publication

**Dr.M,Durga** ,Associate Professor from Department of Civil Engineering had been an author of the Book “**Transportation Engineering**” under ISBN “**978-93-5850-320-3**” presented by **Kalam Publication**



#### 5) Faculty Presentation in Conclave on 25<sup>th</sup> January 2024

**Mr.M.Rathna Chary** ,Assistant Professor from **Civil Engineering** Presented his classroom Reflections in the conclave that he experienced through Implementation of Student Centric methods like **Search in Web, Topic Presentation and Ice Breaking** for his course **Estimation Costing &Project Management**



Few Glimpses from January Conclave

## 6) Faculty Awards & Achievements

1) Ms. K.Hima Bindu Assistant Professor From Department of Civil Engineering ,Centre for Engineering Education and Development Coordinator Awarded “Indo Universal Collaboration for Engineering Education (IUCEE) Teaching and Learning Award” in 11<sup>th</sup> International conference on transformation in Engineering Education (ICTIEE) held in KLE technological University,Hubballi,Karnataka,India from 2<sup>nd</sup> to 4<sup>th</sup> January 2024.



Glimpses from the Conference

Dr.Soumya Singha Associate Professor &HOD from Civil Engineering Department Received Grant 31,39,224 Rupees from Science and Engineering Board (SERB) for the project “AI/ML-based Qualitative and quantitative assessment of groundwater in Raipur district, Chhattisgarh, Central India” in the month of January 2024

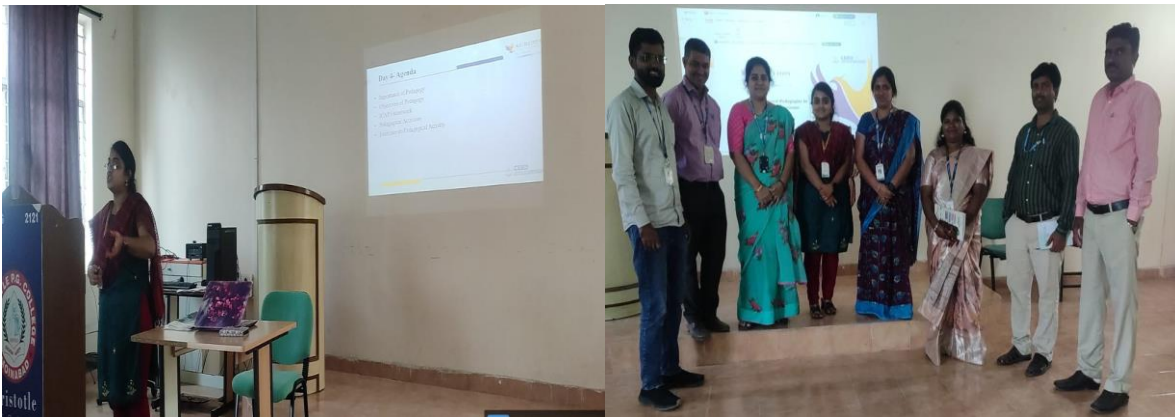
## 7) PH.D registered Faculty

**Mr. M Rathna Chary, Mr. G.Venkatasai prasad & Miryala Vijayakumar** Assistant  
Professor's from **KGR CET** registered for PH.D part time in **SRU university Warangal**

## Activity details for month of February 2024

### 1) A Seminar on “Student Centric Techniques”

Ms. K.Hima Bindu, Assistant Professor from Department of Civil Engineering, KGR CET delivered a session as a Resource Person on “Student Centric Techniques” for Teaching Faculty of Aristotle PG college, School of Business Management, affiliated to Osmania University on 5<sup>th</sup> February 2024. She initiated Seminar by mentioning the importance of Student Phased Instructor’s Interactive Approach followed by ICAP principles aligned with activities.



Glimpses from Seminar

### 2) Workshop on Student Centered Pedagogies for Engineering Courses from 6<sup>th</sup> -10<sup>th</sup> Feb

Ms. K.Hima Bindu, Assistant Professor from Department of Civil Engineering, KGR CET delivered Sessions in Day 4 as a Resource Person on “ICAP Pedagogies” on 9<sup>th</sup> February 2024 in One week Workshop held at KGR CET.



Workshop Brochure

Ms. K.Hima Bindu Presenting in Workshop

**3) Faculty Participation's in Short Term Training Program (STTP) held from 29-01-2024 to 2-2-2024**

Thangamani K, G Mounika, K.Hima Bindu, Mohnika S Assistant Professor's from Civil Engineering Department attended STTP on "Integrating Technology and Tradition in Civil Engineering".



4) Dr. M. Durga, Associate Professor from Department of Civil Engineering attended Five day Online International Program from 29th January to 2nd February 2024 on "Industry 4.0 Applications in Civil engineering (I4ACE-2024)" held at Mallareddy Engineering College, Hyderabad



5) Dr.M.Durga, Associate Professor from Department of Civil Engineering attended Faculty Development Program on “Green Solutions for Smart Infrastructure Development” Organised by Civil Department Geethanjali College of Engineering and Technology, Hyderabad



6) Mr. Vijaya Kumar, Assistant Professor from Department of Civil Engineering attended Short Term Training Program(STTP) on “Computer Diligence in Civil Engineering & Applications for Sustainable Development” Organised by Civil Engineering Department Padma Dr.V.B Kolte College of Engineering, Malkapur



## **7) FACULTY PARTICIPATION & PRESENTATION IN CONFERENCE**

- 1) **Dr. Soumya Sucharita Singha**, Associate Professor & Head from Department of Civil Engineering presented her Research paper on “A Review on Empirical Method of Solar Roof tiles for Thermal Energy Analysis Applied in Residential Structures with Phase Change Materials” in 1st International conference on Multidisciplinary Research & Sustainable Development (ICMED 2024) held in KGR CET .
- 2) **Dr V Srinivasa Reddy** Professor from Department of Civil Engineering presented his Research Paper titled “Pore structure characterization of bacterial concrete” in 1st International conference on Multidisciplinary Research & Sustainable Development (ICMED 2024) held in KGR CET.
- 3) **Dr. TS Ramesh Babu** Professor from Department of Civil Engineering presented his Research Paper titled “Prediction of Mechanical Properties of Concrete Blended with Marble Stone Powder by Artificial Neural Network” in 1st International conference on Multidisciplinary Research & Sustainable Development (ICMED 2024) held in KGR CET.
- 4) **Dr. M Durga** Associate Professor from Department of Civil Engineering presented her Research paper on “Evaluation of reduction of accidents in different regions of India” in 1st International conference on Multidisciplinary Research & Sustainable Development (ICMED 2024) held in KGR CET.
- 5) **Mr. K. Thangamani**, Assistant professor from Department of Civil Engineering presented his Research Paper titled “Experimental Investigation on Strength Characteristics of Autoclave Aerated Concrete Block Using Natural Pozzolonas” in 1st International conference on Multidisciplinary Research & Sustainable Development (ICMED 2024) held in KGR CET.
- 6) **Mr. M Rathna Chary**, Assistant professor from Department of Civil Engineering presented his Research Paper titled “The Properties of Geo-polymer Concrete by Partial Replacement of Cement with GGBS & Fly ash” in 1st International conference on Multidisciplinary Research & Sustainable Development (ICMED 2024) held in KGR CET.
- 7) **Mr. G. Venkata Sai Prasad**, Assistant Professor from Department of Civil Engineering presented his Research Paper titled “Evaluation of grain size distribution by digital image processing” in 1st International conference on Multidisciplinary Research & Sustainable Development (ICMED 2024) held in KGR CET.

- 8) Mr. Jagadish S H, Assistant professor from Department of Civil Engineering presented his Research Paper titled “Efficiency of cement and sand in stabilizing the black cotton soil” in 1st International conference on Multidisciplinary Research & Sustainable Development (ICMED 2024) held in KGR CET.
- 9) Mr. M Vijayakumar, Assistant professor from Department of Civil Engineering presented his Research Paper titled “Comparative Analysis of Basalt Fiber and Steel Fiber as Additives for Concrete” in 1st International conference on Multidisciplinary Research & Sustainable Development (ICMED 2024) held in KGR CET.
- 10) Mrs. G Mounika, Assistant professor from Department of Civil Engineering presented her Research Paper titled “Comparison Study on Cold Formed Steel of Coupled Channel Section Based On ABAQUS and CUFSM by Simple-Simple End Condition” in 1st International conference on Multidisciplinary Research & Sustainable Development (ICMED 2024) held in KGR CET.
- 11) Ms. Himabindu, Assistant professor from Department of Civil Engineering presented her Research Paper titled “Flexural Behavior of High Strength Reinforced Cement Concrete with Polypropylene and Steel Fibres” 1st International conference on Multidisciplinary Research & Sustainable Development (ICMED 2024) held in KGR CET.





# CERTIFICATE

This certificate is awarded to Dr. M. Durga of KGR CET  
 for having presented his/her paper entitled Evaluation of Reduction in the  
of Accidents in different regions in India in the  
**1<sup>st</sup> International Conference on Multidisciplinary Research and**  
**Sustainable Development (ICMED 2024)**  
 held during 23<sup>rd</sup> - 26<sup>th</sup> February - 2024

Convener

Principal



# CERTIFICATE

This certificate is awarded to Thangamani Kathapally of KAR CET  
 for having presented his/her paper entitled Experimental Investigation in the  
on strength characteristics of Autoclave cured concrete block Using  
Natural Pozzolana in the  
**1<sup>st</sup> International Conference on Multidisciplinary Research and**  
**Sustainable Development (ICMED 2024)**  
 held during 23<sup>rd</sup> - 26<sup>th</sup> February - 2024

Convener

Principal



# CERTIFICATE

This certificate is awarded to K. Hima Bindu of KGR CET  
 for having presented his/her paper entitled Flexural behavior of in the  
high strength Reinforced cement concrete with  
Polypropylene and steel fibers  
**1<sup>st</sup> International Conference on Multidisciplinary Research and**  
**Sustainable Development (ICMED 2024)**  
 held during 23<sup>rd</sup> - 26<sup>th</sup> February - 2024

Convener

Principal

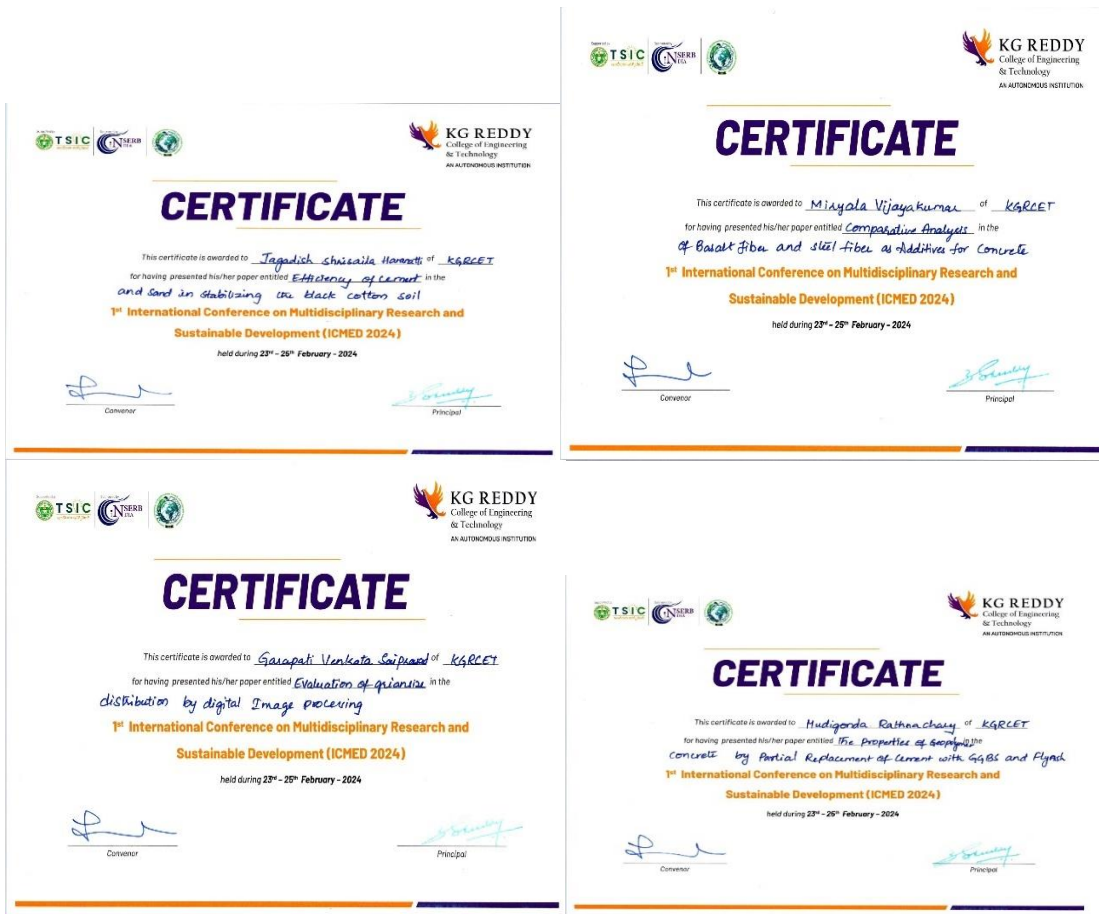


# CERTIFICATE

This certificate is awarded to Grandi Hounika Naidu of KGR CET  
 for having presented his/her paper entitled Comparison study on in the  
cold formed steel of coupled channel section Based on  
ABAQUS and CUFEM by Simple End Method  
**1<sup>st</sup> International Conference on Multidisciplinary Research and**  
**Sustainable Development (ICMED 2024)**  
 held during 23<sup>rd</sup> - 26<sup>th</sup> February - 2024

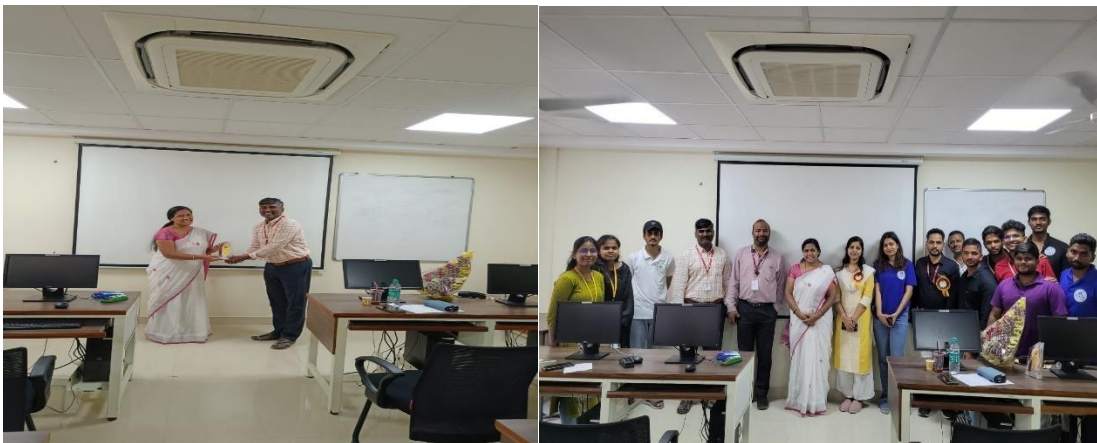
Convener

Principal



## 8) Faculty Awards and Recognitions :

1) Dr.Soumya Sucharita Singha, Associate Professor & Head received Appreciation from CBIT, Hyderabad for being a session Chair for the Technical Event.



Glimpses from Event held in CBIT

2) **Ms.K.Hima Bindu** Assistant Professor from Civil Engineering Department Received **Certificate of Appreciation** for Conducting a note Worthy Seminar on “**Student Centric Techniques in Aristotle P.G College**”,Hyderabad on **5<sup>th</sup> February 2024** .



Date: 05/02/2024

To  
Ms.K Hima Bindu,  
Assistant Professor,  
KGR CET,  
Hyderabad.

Dear Madam,

Sub: Appreciation letter for delivering a session as a resource person “**on Students Centric Techniques**”.

We are thankful for sparing your time to deliver the session on “**Students Centric Techniques**” for Aristotle PG College Faculty members . Kindly accept our heartfelt thanks and gratitude for delivering the lecture held on 05/02/2024.

We wish to have you more often with interesting talks and topics. Wishing you good health and wisdom.

With warm regards

Principal

  
**Dr.L.Srinivas Reddy**  
**PRINCIPAL**  
Aristotle P.G. College  
Beside Moinabad P.S.  
Chiltzur (V), Moinabad (M), R.R. Dist.

## 9) FACULTY ACHEIVEMNTS

- 1) **Mr. K.Thangamani** , Assistant professor from Civil Department Completed his **PH.D Course Work of Semester -I** in **SRU University ,Warangal** .
- 2) **Mrs.G.Mounika Naidu** , Assistant professor from Civil Department Completed her **PH.D Course Work of Semester -I** in **SRU University ,Warangal** .
- 3) **M Rathna Chary, Mr. G. Venkata Sai Prasad, Mr. M Vijayakumar** Assistant Professor’s from **Civil Department** Completed Udemey Course titled “**No Code AI for Civil Engineers**”.



## 10) Student Participation

- 1) **A.Tanmayee, CH.Vaishnavi, E.Anusha , G.Bharghavithird** Year Students Participated in “**National Level Hackathon**” Organised under **Institution Innovation**

## Council under Entrepreneurship Development Cell held in “Mallareddy College of Engineering and Technology”



### Students Certificate of Participation

#### 11) Student Achievement

- 1) **Mr. Shanshank**, Final Year Student Received **Certificate of Appreciation** as a Student Volunteer in Recognition of Time and Effort for **PALS innoWAH** hosted at **KGR CET**
- 2) **Mr. Akash**, Third Year Student Received **Certificate of Appreciation** as a Student Volunteer in Recognition of Time and Effort for **PALS innoWAH** hosted at **KGR CET**
- 3) **Mr. P. Mahesh**, Third Year Student from **Department of Civil Engineering** presented her Research Paper titled “**Pore structure characterization of bacterial concrete**” in **1st International conference on Multidisciplinary Research & Sustainable Development (ICMED 2024)** held in **KGR CET**.



- 4) Mr.P.Mahesh, Third Year Student under Guidance of Dr.Srinivasa Rao Professor from Department of Civil Engineering Won Cash Prize Worth “50,000/- for Applying his ideas to morph into a working prototype in ideas to impact i2I Program “Empower the SDG’s With Your Eco -Innovative Solutions For circular Resource Conservation and Climate Change” Organised by Wipro Foundation in Association with G20 and Wipro Earthian.

Dear Team i2i2023M0091,

Greetings from Ideas to Impact Challenge Team!

Congratulations! We are thrilled to inform you that your application i2i2023M0091 has been selected among the **top 20 teams** of the Ideas to Impact Challenge 2023 supported by Wipro Foundation.

You are now entering the next exciting phase, spanning **three months from March to May 2024**. During this phase, your team will receive funding of **up to INR 50,000** to validate your ideas, benefit from one-on-one mentorship, and participate in an extensive capacity-building program to refine your skills in business model development and customer discovery.

As the next step, please confirm your participation by replying to this email by **20th February**. You are required to prepare a budget with a detailed breakdown of costs and deliverables from 1st March 2024 to 31st May 2024. We expect to receive this budget from you via email by 25th February 2024. The allocated budget will be disbursed to you in two instalments, starting from March, based on your proposed budget projections. We will schedule a one-on-one call next week to discuss your requirements, budget, and deliverables.

We would like to host an **induction call tomorrow evening, 20th February between 8:30 pm and 9:30 pm**, with all the team members and mentors to provide further information about the next steps, the letter of intent, onboarding to Nirmaan and formally congratulate you. Please ensure to join the call without fail. Below is the link to the meeting:

## **12) Industrial Visit held on 16<sup>th</sup> February 2024**

Department of Civil Engineering in Association with Green Construction Club attended Property Show on 16-02-2024 at AGRI TECH SOUTH 2024 Prof Jayashankar State Telangana Agricultural University , Hyderabad. Faculty members Dr.M.Durga&Mr.Jagadish SH along with 50 Students from

Green Construction Club have attended this programme and interacted many top company delegates like IGBC, CII, RE Sustainability, etc and explained about our department vision on sustainable goals. IGBC Property Show is first-of-its-kind Expo that propels the concept of Green and Healthy living, aligning with Sustainable Development Goals (SDGs), which plays a prominent role in the society. Now a day's a civil engineering graduate should understand Latest Green Trends of the Market. Create a Positive Environmental Impact. Visiting this show was highly beneficial for students and faculties, as it bridges the gap between academics and industries.



**Glimpses from Industrial Visit**

### **13) Industrial visit held on 20<sup>th</sup> February 2024**

Department of Civil Engineering in Association with IGBC and Green Construction Club organised Industrial Visit to India's First Green Building on 20-02-2024 at HITEC City, Hyderabad. Faculty members Dr V Srinivas Reddy, Mrs G Mounika Naidu with 42 Students from B.Tech III rd year II Sem Green Construction Club have attended this programme. By Visiting IGBC Green Building students clearly understood, how a green building can be constructed and also can apply Net Zero Concepts. Here in IGBC Green Building Hitex City, Construction is unique with sustainable materials and design.



**Few Glimpses from Industrial Visit**

#### **14) A Seminar on Emerging trends in Civil Engineering**

Department of Civil Engineering in association with Indian Green Building Council (IGBC) & GCC has organized a Seminar on the topic "Emerging trends in civil engineering " on 29th feb 2024 to IInd, IIIrd, IVth year civil engineering students of KGR CET. The eminent Speaker Mr.Santosh Reddy, MD at SKICE Institute had been invited to deliver the session. He explained to the students about importance of skills & technologies required for industry in current society.



**Few Glimpses from Seminar**