



**KG REDDY**  
College of Engineering  
& Technology  
AN AUTONOMOUS INSTITUTION

# NEWSLETTER

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**ENGINEERING  
INDIA'S  
CHANGEMAKERS**

## DEPARTMENT OF CIVIL ENGINEERING (CE):

### Events in the Department:

#### 1. Inspiring Careers in Civil Engineering:

Alumni Insights from Mr. M. Tulasi: An insightful seminar was organized on "Exploring Career Opportunities and Future Scope in Civil Engineering" on 25th November 2024. Mr. M. Tulasi, Project Manager at Stone Craft Group and a proud alumnus of KGR CET, was the keynote speaker. He shared his professional journey, shedding light on the evolving landscape of Civil Engineering and the vast array of career paths available to the aspiring engineers. He emphasized the importance of developing both Technical Skills and leadership qualities to excel in the industry. His experience and success served as a source of inspiration for students, offering practical advice on navigating the challenges and opportunities in the field. This engaging session not only highlighted the achievements of a distinguished alumnus but also reinforced the department's commitment to preparing students for successful professional journeys in the dynamic world of civil engineering.



#### 2. Guest Lecture on "Design Philosophy of RCC Structural Members":

A Guest lecture on the Design Philosophy of RCC Structural Members was organized on 23rd Nov. 2024. Dr. Vemu Venkata Praveen Kumar, Associate Professor and HOD, shared valuable insights into RCC structural design's fundamental concepts and practical applications. This session enriched the learners' understanding of reinforced concrete structures, emphasizing Critical Design Principles and Methodologies.



**KG REDDY**  
College of Engineering  
in Technology  
K. J. Somaiya Institute of  
Management Studies & Research

**15**  
YEARS

Seminar on:  
**Exploring Career  
Opportunities & Future  
Scope in Civil Engineering**

Coordinator:  
Dr. Jagadish S H  
Assistant Professor

Date: 25-11-2024  
Time: 1.30 P.M. to 3.30 P.M.  
Venue: Seminar Hall

**Mr. M. Tulasi**  
Project Manager, Stone Craft Group  
Alumni, KGR CET

Organized by: Department of Civil Engineering





### 3. Foundation Course on Green Energy Buildings:

In association with IGBC and the Green Construction Club, the department conducted a Foundation Course on Green Energy Buildings from November 21st to 26th, 2024. Thirty-two enthusiastic first-year Civil Engineering students actively participated in this transformative learning experience. The sessions were facilitated by Mr. K. Sai Kumar Chary and Dr. V. Srinivasa Reddy, faculty members, along with Ms. Potu Vinaya Barathi, an active ASHRAE member. The course emphasized sustainable building practices and energy-efficient designs, giving students valuable insights to contribute to eco-friendly construction initiatives.



### 4. Innovative Teaching Practices in Water Resource Engineering:

Mohammed Khadar Baba and Ms. B. Shivaleela, students from 3rd year civil school, participated in a webinar on "Dynamic Behavior of Soil for Seismic Resistant Design of Structures" on 2nd October 2024, organized by Vardhaman College of Engineering in association with the IGS Student Chapter, VCEH, Hyderabad. Held in honor of Karl von Terzaghi, the father of soil mechanics, the event marked Terzaghi Day. It provided valuable insights into soil behavior under seismic conditions—a crucial aspect of designing earthquake-resistant structures. Mr. Mohammed Khadar Baba and Ms. B. Shivaleela's participation reflects his dedication to advancing his knowledge in civil engineering.



## Faculty Achievements :

### - Celebrating Excellence: Dr. Srinivasa Reddy Vempada Honored with Outstanding Mentor Award.

Mr. Mahantesh N Paruti, Assistant Professor, presented his reflections on Classroom Student-Centred Activities related to the Engineering Water Resource Engineering course on 29th Nov. 2024. It was conducted by the Centre for Engineering Education Development (CEED). His insights focused on enhancing student engagement and learning outcomes through innovative, student-focused teaching methods reflecting the department's commitment to adopting best practices in engineering education.

### - Enhancing Teaching Innovation: Ms. Kotha Hima Bindu Participates in Virtual Labs Faculty Development Program

Ms. Kotha Hima Bindu, an Assistant Professor, participated in the Faculty Development Program on Virtual Labs, held from 22nd to 24th October 2024. This program was part of the PALS VLAB 2024-25 Initiative in collaboration with NITK Surathkal. Dr. K. V. Gangadharan, the Participating Institute Coordinator for Virtual Lab at NITK Surathkal, and C. N. Chandrasekaran, Chairman of PALS, endorse the certification. Recognizing Excellence: Ms. Himabindu K Honored for Mentorship in Emerging Technologies Program

The certification acknowledged Himabindu for contributing valuable time as a Faculty Mentor and Assistant Faculty for Grading in the Overview of Emerging Technologies (OET 24) program conducted between September and October 2024. This recognition highlights his role in supporting the program's success, with endorsements from Dr. Shalini Gopalakrishnan, a Global Expert Faculty and Entrepreneur from the USA, and Dr. Krishna Vedula, Executive Director of IUCEE. It showcases her dedication to professional growth and mentoring in advancing emerging technological knowledge.

Honouring Leadership: Ms. Kotha Hima Bindu Recognized as IUCEE Individual Honorary Member. Congratulations to Ms. Kotha Hima Bindu, Assistant Professor for being recognized as an IUCEE Individual Honorary Member by the Indo Universal Collaboration for Engineering Education (IUCEE). This prestigious designation highlights her leadership and contributions to effective teaching and learning practices. She has demonstrated excellence by implementing innovative classroom techniques, mentoring faculty, and fostering a culture of teaching excellence within her institution and the broader IUCEE community. As an honorary member, she will promote IUCEE's mission, including creating regional chapters and strengthening professional teaching practices. She will be formally honored at the ICTIEE 2025 Awards Ceremony on January 10, 2025, at VNRVJIET, Hyderabad. This achievement underscores her dedication to advancing education and leadership in engineering pedagogy.

## Student Participation and Achievements :

### - B. Uday Kiran Shines at PALS Tinkathon 2024-25 with Innovative Participation:

We are proud to announce that B. Uday Kiran, a student in his third year, is participating in the prestigious PALS Tinkathon 2024-25. This event was held at the Vishnu Educational Development and Innovation Centre (VEDIC), Hyderabad, on 29th Nov. 2024. He emphasized experiential learning through hands-on, project-based workshops. The Tinkathon serves as a precursor to the Residential Student Workshop, offering invaluable experience in problem-solving and teamwork. His efforts were acknowledged by prominent leaders from PALS, including Anuradha S. Ramanujam, Bharanidharan Swaminathan, and C. N. Chandrasekaran. We congratulate Uday Kiran for his active engagement and commitment to excellence in engineering education.

### - Participation in Social Innovation and Entrepreneurship Summit – SAHYOG 2.0

The students actively participated in the Social Innovation and Entrepreneurship Summit—SAHYOG 2.0, held on November 15th and 16th, 2024. Organized by KGR Accelerator for Social Entrepreneurship (KASE), the event included key activities like the Social Innovation Pitch Competition and the Social Entrepreneurship Pitch Competition.

Bhukya Dhana Laxmi from the third year, along with five other Civil Engineering students, enthusiastically volunteered. They contributed to the smooth execution of the summit and promoted innovation and social impact. Their dedication was instrumental in the event's success, reflecting the department's commitment to excellence and social responsibility.

### Student Spotlight:

#### - M Deepthi's Nostalgia



**Childhood plays are the most wonderful days of my life!**

When I was 15 years old, I imagined that college days would make life even more measurable, bringing a colorful life full of experiences. But before the 10th grade, every morning was a golden morning for me...

In school, we played sports, drew, and wrote poetry for Children's Day celebrations. My childhood friends had beautiful hearts and no ego or selfishness. We shared lunch boxes, exchanged notebooks, and formed groups with gang leaders.

As a child, I celebrated Children's Day like it was the biggest festival in the world. The celebrations went like this: 10th-grade students became teachers, while the remaining children acted as students, with teachers as judges. We had programs throughout the day—giving speeches, singing, dancing, and receiving gifts. Finally, we would remember the memories of Nehru Sir.

Suddenly, as we completed the 10th grade, we were called "elder people!" and seen as all-knowing persons.

But after the 10th grade, life started to change:

- Days seemed to fly by on Instagram,
- sleeping while scrolling through Facebook,
- buying on Amazon,
- cooking with Zomato, and
- meeting people on Google Meet.

**Now, life feels like it's moving forward without a clear route map.**

**MARANKA DEEPTHI**  
B.Tech - CE (III Year) - I Sem Red No: DQMLAD11

## DEPARTMENT OF MECHANICAL ENGINEERING (ME):

1. A Guest Lecture on "Recent trends in Automobile Engineering" was organized on 1st November 2024. Mr. G. Rama Chander Yadav, founder of Zero Custom Motorcycles, was the speaker, and the faculty coordinator was Mr. S. Sathish, Assistant Professor.



2. The Department of Mechanical Engineering is pleased to inform you that two of the 3rd-year Mechanical Engineering students and members of the PALS Thinkathon successfully participated in events conducted at VEDIC Hyderabad on November 7, 2024.

List students participated:

Sl.No	Sl.No	Roll Number	Name of the student
1	III/I	23QM5A0311	Mohammad Tanveer Nawaz
2	III/I	22QM1A0308	B. Mahesh



3. A Five-Day Faculty Development Program on "Enhancing Skills in Fusion 360 Software" was organized in association with Auto Desk Design Labs from November 7th to 11th, 2024. Mr. Ajay Kumar Reddy was the trainer for this FDP, and Mr. S. Sathish, Mr. I. Vinod Kanna, and Mr. K. Anil were the Faculty coordinators for this FDP. The total number of participants for this FDP was 29.

2. The Department of Mechanical Engineering is pleased to inform you that two of the 3rd-year Mechanical Engineering students and members of the PALS Thinkathon successfully participated in events conducted at VEDIC Hyderabad on November 7, 2024.





List students participated:

Sl.No	Name of the student	Last Name	Department
1	Sai Satyanarayana Reddy	Seelam	CSE
2	Chilakamarri L	Aslesha	MECH
3	Thangamani	K	CIVIL
4	Peram Kondala	Rao	MECH
5	Vinoth Kanna	I	MECH
6	Ravi Kumar	G	CIVIL
7	Taskeen	Nasim	H&S
8	Kalluri	Anil	MECH
9	Venkata Rao	Yanamadni	CSE
10	Bhonagiri	Ramesh	MECH
11	Girish	K	MECH
12	Vangapandu	Chandrakala	MECH
13	Singarapu	Sathish	MECH
14	Tuti	Sandhya	ECE
15	Kilaru	Kalpana	MECH
16	Dheeraj Kumar	Gajula	MECH
17	Gangavarapu	Shanya Psalms	CSE
18	Vishnuprasad	Mahanti	MECH
19	K.praveen	Kumar	MECH
20	Angadi	Seshappa	MECH
21	Pavan Kumar	V	CSE
22	Prasanna Kumari	Pothala	MECH
23	Eswara Teja	A	MECH
24	Guttula	Anusha	MECH
25	Aamer	Sohail	MECH
26	Syed	Mustafkhadri	MECH
27	Aysola Sai	Chander	ECE
28	Gangavarapu	Tanya Psalms	MECH

An INTRA INSTITUTIONAL IDEA HACKATHAON was held at KGR CET during 4th and 5th November 2024.

## The following students participated.

Sl.No	Sl.No	Roll Number	Name of the student
1	III/I	23QM5A0303	Boyinapally Saiteja
2	III/I	23QM5A0304	Busa Rachana
3	III/I	23QM5A0307	G Anvesh
4	III/I	23QM5A0314	R.dinesh Kumar
5	III/I	23QM5A0308	Gangarajula Datta Sai Kumar
6	III/I	23QM5A0301	Addanki Bhargav Srinivas
7	III/I	23QM5A0305	Dasari Raju
8	III/I	22QM1A0303	K.shivamanikanta
9	III/I	23QM5A0313	N. Prudvi Raj
10	III/I	23QM5A0311	Mohammad Tanveer Nawaz

- Mrs. K. Kalpan, Asst. Prof. & HOD of Mechanical Engineering has completed the NPTEL online certification course on "Fundamentals of Additive Manufacturing Technology" with a consolidated score of 55% .NPTEL-SWAYAM&AICTE conducted this course.
- Mr. S. Sathish (Asst .Prof.) has completed the NPTEL online certification course on "Artificial Intelligence and Machine Learning in Materials Engineering" with a consolidated score of 57%. NPTEL-SWAYAM&AICTE conducted this course.
- Mr.Anil (Asst .Prof) has completed the NPTEL online certification course on "Artificial Intelligence and Machine Learning in Materials Engineering" with a consolidated score of 55%. NPTEL-SWAYAM&AICTE conducted this course.
- Mr. K. Praveen Kumar (Asst .Prof.) has completed the NPTEL online certification course on "Artificial Intelligence and Machine Learning in Materials Engineering" with a consolidated score of 55%. NPTEL-SWAYAM&AICTE conducted this course.
- Mrs. K.Kalpan, Asst. Prof. & HOD has completed the NPTEL online certification course on "Metal Additive Manufacturing" with a consolidated score of 83% and got ELITE Certification. NPTEL-SWAYAM&AICTE conducted this course.

- Mrs. K.Kalpan, Asst. Prof. & HOD has completed the NPTEL Faculty Development Program (FDP) on "Fundamentals of Additive Manufacturing Technology" with a consolidated score of 55% .NPTEL-SWAYAM&AICTE conducted this course.
- Mr. S. Sathish (Asst .Prof.) has completed the NPTEL Faculty Development Program (FDP) on "Artificial Intelligence and Machine Learning in Materials Engineering" with a consolidated score of 57% .NPTEL-SWAYAM&AICTE conducted this course.
- Mr.Anil (Asst .Prof) has completed the NPTEL Faculty Development Program (FDP) on "Artificial Intelligence and Machine Learning in Materials Engineering" with a consolidated score of 55%. NPTEL-SWAYAM&AICTE conducted this course.
- Mr. K. Praveen Kumar (Asst .Prof.) has completed the NPTEL Faculty Development Program (FDP) on "Artificial Intelligence and Machine Learning in Materials Engineering" with a consolidated score of 55% .NPTEL-SWAYAM & AICTE conducted this course
- Mrs. K.Kalpan,Asst .Prof. & HOD has successfully completed the NPTEL online certification course on "Metal Additive Manufacturing" with the consolidated score of 83% and got ELITE Certification. This course was Conducted by NPTEL-SWAYAM & AICTE
- Mr. B. Ramesh, an Assistant Professor, participated in the CEED Monthly Teaching and Learning Conclave on 28th November 2024.



- KGR CET organized SAHYOG 2.0, a Social Innovation and Entrepreneurship summit, on 15-11-2024 and 16-11-2024. The following Mechanical students volunteered for the event.

Sl.No	SI.No	Roll Number	Name of the student
1	IV-I	22QM5A0303	A.Rakesh Goud
2	III/I	23QM5A0302	B.Bharath
3	III/I	22QM1A0308	B.Mahesh
4	III/I	23QM5A0309	K.Manideep
5	III/I	22QM510305	G.Nandu
6	III/I	22QM1A0307	T.Akash
7	III/I	23QM5A0302	B.Bharath



- On 8th November 2024, the final, third, and second-year students visited the NIAT Campus at Nanakramguda (Financial district). The Department of Mechanical Engineering & Placement Cell KGR CET provided Career guidance in Software at the NIAT campus. Dr. D. Baloji was the faculty coordinator for this visit.



- Mohammed Tanveer Nawaz, a student of Third Mechanical Engineering, participated in "PALS THINK to CREATE ENGINEER" -a residential student workshop at IIT MADRAS on November 28, 29, and 30, 2024. Dr. K. Udaya Sri was the faculty coordinator from KGR CET.

- A Guest Lecture on "Mechanics of solids with industrial applications " on 30-11-2024 .Dr.Koti Suryam,a senior Noise & Vibration Testing Engineer at Mahindra and Mahindra -R&D Research Centre was the speaker for the guest lecture and the faculty coordinator the program was Mr. P. Kondala Rao, Asst.Professor. ME.





**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING ( ECE ):**

**1. A Workshop at BITS Pilani  
Hyderabad06-NOV-2024**

Third-year students Attended Work Shop at BITS Pilani Hyderabad. The workshop aimed to address pressing environmental challenges, explore innovative solutions, and promote a better understanding of sustainable practices across various fields. The event brought together experts, faculty, and students to discuss ways to integrate sustainability into research, industry, and daily life



**2. Guest lectures on Digital Electronics on  
14-11-24**

Students with insights into the practical applications, emerging trends, and core concepts of the subject Real-world uses of digital circuits in devices like computers, smartphones, and embedded systems. Debugging techniques for circuits and simulations using tools like MATLAB, Multisim, or Logisim.



**3. Guest lectures on Network analysis and  
synthesis.**

Students should focus on attenuators and their role in network functions. An attenuator is an essential device in electrical and communication systems, primarily used to reduce the power level of a signal without distorting its waveform. The speaker delved into their applications, types, and practical significance in networking and telecommunication.



**4. ECE student are selected for a paid  
internship at ABTECHVILLE LLP.**

Sl.No	Roll Number	Name of the student
1	22QM1A0418	G.Revanth sai
2	22QM1A0403	B.Sidditha
3	22QM1A0460	V.Ashwini
4	22QM1A0440	M.Jayanth Nithal
5	22QM1A0416	E.Srini
6	22QM1A0412	D.Karthik Reddy



## DEPARTMENT OF COMPUTER SCIENCE ENGINEERING-( AIML ):

### 1. Industrial Tour :

The Artificial Intelligence Club, in association with the Department of Computer Science & Engineering – Artificial Intelligence (CSM), organized an Industrial visit to NIAT (Nextwave Institute of Advanced Technology) on 7th Nov. 2024. This event was arranged for second-year students. The visit aimed to give students practical knowledge and an understanding of how computer instructions are executed using hardware diagrams. Mr. Rambabu Mudusu, Assistant Professor and HoD of CSE-AI&ML, and Ms. Falak Tuba, Assistant Professor of CSE-AI&ML, were the organizers

NIAT Industrial visit provided hands-on exposure to industrial operations and insights into the workings of small-scale industries. The event highlighted the various support schemes provided by NIAT to encourage entrepreneurship and assist small businesses. Students were introduced to real-world applications of classroom concepts, bridging the gap between theoretical learning and industrial practices. The guided tour included demonstrations and interactive sessions with industry professionals, providing attendees an in-depth understanding of industrial processes like product design, production planning, and quality control. Students also learned about entrepreneurial opportunities and how small-scale industries operate efficiently.



### 2. One-Day Workshop on 'Utilizing Existing Instruments in Social Sciences for Quantitative Research' on 28th Nov. 2024:

This workshop aims to equip participants with the knowledge and skills to utilize established instruments and tools in social science research effectively. The session, which focused on quantitative methods, provided hands-on insights into selecting, adapting, and applying existing tools to enhance research accuracy and efficiency. Mrs. Tuti Sandhya and Ms. Gomathi were the coordinators.



A One day workshop on

### Using Existing Instruments in Social Sciences for Quantitative Research

Coordinators:

Tuti Sandhya & Ms Gomathi

Date : 28<sup>th</sup> November 2024

Time : 2:00 pm

Venue : Board Room

Organized by: Center for Engineering Education Development, KGRCEET



**Dr. Rashpinder Kaur**

Assistant Professor, Department of Electronics and Communication Engineering, KGRCEET, K. J. Somaiya Institute of Technology, Rajkot, Gujarat

### 3. Project Expo on AI Product Design and Development:

A Project Expo was organized on AI Product Design and Development, showcasing innovative projects by students and professionals in the field of Artificial Intelligence.

**Guests and Speakers:**

Mrs. Swathi, Manager, JTBI

Mr. G.V.S. Kiran, Founder & CEO, Healtour Solutions

Mr. Ganesh Katrapati, Trainer, AI Product Design and Development Course

Dr. Adarsh Kodanda, Founder, AI Gen Labs

The event provided a platform for participants to present their AI-driven solutions and receive valuable insights from industry experts. It highlighted cutting-edge developments in AI product design, emphasizing creativity, problem-solving, and entrepreneurship.

4. Dr. A. Maithili, Associate Professor, participated and completed an All India Council For Technical Education Academy Faculty Development Program on 'The Revolution of Large Language Models (LLMs) in Artificial Intelligence' at Vidya Jyothi Institute of Technology, Hyderabad from 18th to 23rd Nov. 2024.

**4. Student Achievements in Online Learning:**

Many students have successfully earned certifications from prestigious online learning platforms like Udemy, showcasing their dedication to advancing their Technical Skills. The certifications include:

Oracle Cloud Infrastructure Fundamentals

Automated Machine Learning for Beginners(Google & Apple)

Oracle APEX Professional

Data Structures Using Python

These certifications reflect the students' commitment to staying updated with the latest technologies and pursuing professional excellence in cloud computing, machine learning, and software development.



## DEPARTMENT OF COMPUTER SCIENCE ENGINEERING-DS (CSD):

### 1. A Guest Lecture on “Web and Social Media Analytics” was conducted on 1st November 2024:

A guest lecture was conducted on 'Web and Social Media Analytics', Mr. R. Bhanu Prasad was the resource person. The students were informed on how to uncover trends, patterns, and correlations in large amounts of raw data to help make data-informed decisions. They were able to understand the advantages of big data and how we are using the Big Data Analytics process and Big data applications in Real time.



### 2. A Workshop on “Data Mining” was conducted on 22nd November 2024:

A Workshop was conducted on Data Mining; Mohana Naga Ravi Kumar Araja was the resource person. The students were informed that they needed to understand how to perform the Machine learning algorithm and how to apply it in real-time examples. Data mining is the actionable insights and results derived from analyzing large datasets. Students also understood how to mine the data and where we are using the mining.



### 3. A Guest Lecture on “Data Structures” was conducted on 28th November 2024:

A guest lecture was conducted on Data Structures; Mr.Kottu Santhosh Kumar was the resource person. The students were informed to understand Access efficiency trade-offs among different data structures implementation or combinations and Design programs using a variety of data structures, including hash tables, binary and general tree structures, search trees, tries, heaps, graphs, and AVL trees. Students learn how to compare the Graph Traversal Methods and Evaluate real-time applications using pattern-matching algorithms.



### 4. A Guest Lecture on “Web Programming” was conducted on 30th November 2024:

A guest lecture on data structures was conducted by Manzoor Mahamad, the resource person. The students were informed that they needed to understand HTML, CSS, and JavaScript and how to create a website. They also needed to understand interfaces and where we are using them, applets, and CSS Styles and how to apply them to website design.



### 5. Industry visit on “NextWave Solutions” for II & III B. Tech. I-Sem students on 4th November 2024:

An Industry visit to “NextWave Solutions”; Mr.Vinay, an associate from Next Wave Technologies, Gachibowli, Hyd. was the resource person. In this Visit, Students learned about real-time ideas in the real-time project environment and how innovative ideas have been implemented in the real-time environment by taking the place in “Next Wave Technologies.



## 6. Department Activities:

- The Department of Computer Science and Engineering-Data Science has organized an Online FDP on “Applications of Data Science Analytics” in association with the Pencil Bitz.
- A Two-Days Certification Course on “Introduction to Artificial Intelligence” was organized for II and III-year students.



## Faculty Achievements:

- Mr.L.Govardhan got a certificate of an FDP on “Applications of Data Science Analytics” from KG Reddy College of Engineering and Technology.
- Mr.B.Ganesh got a certificate of an FDP on “Applications of Data Science Analytics” from KG Reddy College of Engineering and Technology.
- Mrs.P.Haindavi got a certificate of an FDP on “Applications of Data Science Analytics” from KG Reddy College of Engineering and Technology.

- Mrs. Gomathi Karthik got a certificate of an FDP on “Applications of Data Science Analytics” from KG Reddy College of Engineering and Technology.
- Mrs. Afiya Parveen Begum got a certificate of FDP on “Applications of Data Science Analytics” from KG Reddy College of Engineering and Technology.
- Mr. B. Ganesh got a certificate of ATAL FDP on “The Revolution of Large Language Models (LLMs) in Artificial Intelligence” from Vidya Jyothi Institute of Technology.
- Mrs.P.Haindavi got a certificate of ATAL FDP on “The Revolution of Large Language Models (LLMs) in Artificial Intelligence” from Vidya Jyothi Institute of Technology.
- Mrs. Gomathi Karthik got a certificate of ATAL FDP on “The Revolution of Large Language Models (LLMs) in Artificial Intelligence” from Vidya Jyothi Institute of Technology.
- Mrs. Afiya Parveen Begum got a certificate of ATAL FDP on “The Revolution of Large Language Models (LLMs) in Artificial Intelligence” from Vidya Jyothi Institute of Technology.

## Students Achievements:

- III-year students P.Rajith and Y.Lokesh Chandra are participating as a team member in the PALS Tinkathon, an event with activity and hands-on-project-based workshop.
- III-year students Rangdal Pavansai and Wagmare Sanjana participated in InnoFiesta 2024 at HITHAM College and got 3rd position.
- II-year students

**Team-1: T.Vaishnavi,Sk. Kulsum,Vishnu Vardhan,Akanksha,**

**Team-2: Sai Teja, Aparna and Sai Kiran got Rs.50,0000 Price money in SAHYOG 2.0 was conducted By KGR Social Innovation and Entrepreneurship Summit.**



- III-year students, Mandalaji Vaishnavi, Vardhanaboina Srinivas, Keerthana Nagula and Vadthya Manjula got Rs.50,0000 prize money in SAHYOG 2.0 conducted by KGR Social Innovation and Entrepreneurship Summit.



## DEPARTMENT OF MASTERS IN BUSINESS ADMINISTRATION (MBA):

1. The Department of MBA, in association with the Career Guidance Cell of KG Reddy College of Engineering & Technology, hosted a "Career Connect Session" on 8th November 2024, titled "Crack IAS in First Attempt—A UPSC Master Class," in collaboration with Vings Media and G5 Media House. The session featured Mr. P. Krishna Pradeep, Founder and Chairman, and Dr. Bhavani Shankar, Director of 21st Century IAS Academy, who shared valuable insights and expert guidance on successfully navigating the UPSC examination.

with industry professionals. As an added benefit, students received a complimentary 3-month LinkedIn Premium subscription, providing tools and resources further to advance their career development and job search prospects.



2. The students from the Department of MBA participated in Career Guidance Cell (KGRCEET) hosted a one-day LinkedIn Career Kickstarter Program on November 21, 2024. From 9:30 am to 2:00 pm, the session focused on building a professional LinkedIn profile to enhance career opportunities. Participants learned how to effectively network, showcase their skills, and connect

3. The MBA students showcased their athleticism and team spirit at the recently held Sports Fest organized by Aristotle PG College. The event brought together students from various disciplines for exciting competitions and camaraderie. Our MBA team participated in multiple events, including track and field and volleyball, demonstrating remarkable enthusiasm and sportsmanship. Their participation highlighted their physical agility and fostered a sense of unity and teamwork. It was a fantastic opportunity for students to engage outside the classroom, promoting overall personal development and college pride.

4. On 30th Nov. 2024, a memorable event celebrating the new beginnings and heartfelt farewells. The Freshers' Party welcomed the class of 2026, offering them a warm introduction to the department and a chance to bond with their peers. At the same time, a Farewell Party was held for the graduating class 2024, marking the end of their transformative journey. The event was filled with joy, laughter, and touching moments as students and faculty came together to celebrate achievements, create lasting memories, and wish the best to the outgoing batch.



## CENTRE FOR INNOVATION & SOCIAL TRANSFORMATION (CIST):

1. On 8th November 2024, the CIST-Engineers Without Borders Student Chapter organized a field visit to Surangal village Unnat Bharat Abhiyan Survey focusing on critical areas such as clean water, waste management, clean and affordable energy, and gender equality. 30 EWB- KGRTCET student chapters participated in the survey. This initiative empowered students to act as changemakers, aligning with KGRCET's commitment to social responsibility and sustainable development. The visit was coordinated by Mr. B. Lingam and Mr. B. Mohan Venkat Sai, Faculty of CIST, and organized by Mrs. P. Samyuktha, Head-CIST.



2. CIST and KASE, in collaboration with IIC, successfully organized SAHYOG 2.0: KGR Social Innovation and Entrepreneurship Summit on 15th and 16th Nov. 2024. The event brought together diverse NGOs and entrepreneurs to foster innovation and collaboration. The first day featured three parallel panel discussions and a project expo showcasing student innovations. On the second day, students exhibited their projects and pitched their start-up ideas, followed by a round table discussion. The summit concluded with announcing the project expo winners and providing financial support to promising start-ups, marking a significant milestone in promoting social innovation and entrepreneurship.





3. On 19th November 2024, CIST faculty member Mr. A. Seshappa visited a Sewing Machine Service Center in Gowliguda to learn how to adjust the needle distance of a sewing machine, which is helpful for DST Project Banjara embroidery techniques and how to set up a bobbin bag-making machine for Banjara Women's empowerment in Kamareddy District.



4. On 23rd November 2024, Mrs. P. Sanyuktha, Head of CIST, and Mr. B. Lingam, Associate Head-CIST, participated in TGIC's "Innovations 101" Coffee Table Book Launch event at T-Works in which their innovations High-Speed Incense Stick Making Machine and IoT-Based Cooling Chamber published respectively.

**SAMYUKTHA PENTA**  
 Associate Professor  
 +91 97001 88332  
 samyukthapenta@kgr.ac.in

**High-Speed Incense Stick Making Machine**

**About Innovation:** The high-speed incense stick making machine is a revolutionary device that automates the entire process of incense stick production. It is designed to produce high-quality incense sticks at a much faster rate than traditional methods, saving time and labor. The machine is compact, easy to use, and suitable for small-scale production.

**Advantages:**

- High-speed production
- Consistent quality
- Low maintenance
- Compact design

**Applications:**

- Home use
- Small-scale production
- Commercial use

**Key Features:**

- High-speed production
- Consistent quality
- Low maintenance
- Compact design

**Current Stage of Innovation:**

- Prototype development

Thank you for sharing all innovative ideas to solve problems, but realization and passion will always be the transformation of an idea into a solution.



6. On 29 November 2024, Mrs. Tuti Sandhya, a CIST Coordinator, along with students from the Engineers Without Borders (EWB) Chapter, visited Tholkatta village to conduct Unnat the Bharat Abhiyan village survey. The survey aimed to assess the village's key aspects, including livelihood practices, waste management systems, electricity availability, basic amenities, and education, particularly focusing on school infrastructure and children's educational needs.

**B. LINGAM**  
 Assistant Professor  
 +91 9840787190  
 lingam224@gmail.com

**IoT Based Cooling Chamber**

**About Innovation:** A smart and efficient cooling chamber using IoT technology. It is designed to maintain a constant temperature and humidity, ensuring the freshness and quality of stored produce. The chamber is compact, easy to use, and suitable for small-scale production.

**Advantages:**

- Smart and efficient
- Consistent temperature and humidity
- Compact design

**Applications:**

- Home use
- Small-scale production
- Commercial use

**Key Features:**

- IoT-based smart technology
- Consistent temperature and humidity
- Compact design

**Current Stage of Innovation:**

- Prototype development

When you wish for innovative solutions, strive for a better job, take them as a motivation & they will surely bring you from them strong.



5. On 26th November 2024, the Centre for Innovation and Social Transformation (CIST), Mr. B. Mohan Sai Krishna, conducted the Vignana Sankalpam Programme (Foundation of Sciences and Arts Knowledge) at the Government School in Sriramnagar village as part of the Unnat Bharat Abhiyan (UBA) initiative. This unique program is designed to inspire students and help them discover their areas of interest by exposing them to the wonders of science and the arts. Through hands-on experiences and creative exploration, students showcased their curiosity and innovative spirit, transforming simple ideas into impactful solutions.

## CENTER FOR ENGINEERING EDUCATION & DEVELOPMENT (CEED) :

1. A group of 27 students from KG Reddy College of Engineering and Technology (KGR CET) enthusiastically participated in Innofiesta 2024, hosted by HITAM, on November 8th and 9th, 2024. The event celebrated innovation and creativity, providing students a platform to showcase their ideas and projects. Among the participants, Pavan Kumar and W. Sanjana from 3rd year CSD received Special Appreciation Awards for their outstanding and innovative ideas, highlighting their ingenuity and technical skills.



2. On November 22, 2024, Mrs. Tuti Sandhya, Head of the Center for Engineering Education Development (CEED), delivered an engaging session on "Basics of Intellectual Property Rights and Its Importance for Innovators and Entrepreneurs" at Aristotle PG College, Hyderabad.



ARISTOTLE PG COLLEGE  
School of Business Management  
Approved by AICTE, Affiliated to JNTU Hyderabad University  
Recognized by UGC under section 2(B) of UGC Act, 1956

**INSTITUTIONS INNOVATION COUNCIL**  
A Seminar

On  
**Basics of Intellectual Property Rights and Its Importance for Innovators and Entrepreneurs**

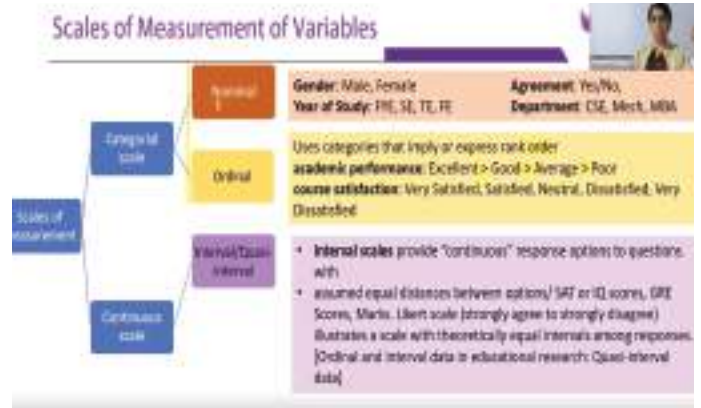
On  
Friday  
22-11-2024  
From 03:00 PM onwards

  
Mrs. T SANDHYA  
Head - CEED  
KGR CET

Faculty Co-ordinator  
Ms.G.SWETHA

Principal  
Dr.L.Srinivas Reddy





### Comparison of Methodologies

Aspect	Quantitative Methodology	Qualitative Methodology	Mixed Methodology
<b>Purpose</b>	To quantify data and generate results	To explore and understand complex phenomena	To combine and leverage both quantitative and qualitative insights
<b>Worldview/Paradigm</b>	Post-positivism (objective reality, hypothesis testing)	Constructivism (subjective understanding, meaning-making)	Pragmatism (focus on practical outcomes and problem-solving)
<b>Common Research Designs</b>	Experimental, correlational, survey	Ethnography, phenomenology, grounded theory, narrative	Exploratory sequential, explanatory sequential, convergent parallel, fully integrated designs
<b>Data Collection</b>	Surveys, experiments, secondary data	Interviews, focus groups, observations, document analysis	Combination of surveys, experiments, interviews, and case studies
<b>Data Type</b>	Numerical	Text, audio, video	Both
<b>Data Analysis</b>	Statistical analysis (e.g., regression, tests) - hypothesis testing, generalizability	Thematic analysis, coding, pattern identification - limited generalizability, time-consuming	Integration of both statistical and thematic analyses

3. The Centre for Engineering Education Development (CEED) is pleased to announce its upcoming Monthly Seminar on "Qualitative and Mixed Methods Research Designs: Investigating Teaching Practices Using Action Research" on November 16, 2024. Dr. Preethi Baligar, Former Director of CEER at KLE Technological University, Hubballi, Karnataka, will facilitate the seminar.

4. The Centre for Engineering Education Development (CEED) is organizing an insightful workshop on "Using Existing Instruments in Social Sciences for Quantitative Research." On 28th Nov. 2024 Dr. Rashpinder Kaur, Associate Professor in the Department of Electronics and Communication Engineering at Chitkara University, Rajpura, Punjab, conducts the session.



### Hypothesis testing

Q: To what extent does integrating principles of cognitive Load Theory (pre-learning, segmentation, and variability effect of problems) affect students' performance in a Physics course, as measured by 3 test scores over six weeks for 1st-year engineering students?

	Parametric tests	Nonparametric tests
One sample	Single t-Test	Wilcoxon test for one sample
Two dependent samples	Paired Sample t-Test	Wilcoxon Test
Two independent samples	Unpaired Sample t-Test	Mann-Whitney U-Test
More than two independent samples	One-way ANOVA	Kruskal-Wallis Test
More than two dependent samples	Repeated Measures ANOVA	Friedman Test
Correlation between two variables	Pearson Correlation	Spearman Correlation

A One day workshop on

## Using Existing Instruments in Social Sciences for Quantitative Research

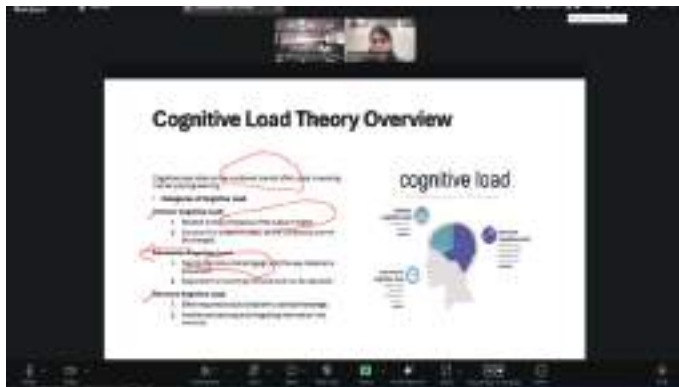
Coordinators:  
Tulsi Sandhya & Ms Gomathi

Date : 28<sup>th</sup> November, 2024  
Time : 2:00 pm  
Venue : Board Room



**Dr. Rashpinder Kaur**

Organised by : Center for Engineering Education Development, KGRCEET



5. Mrs. Tuti Sandhya, Head of CEED at KGR CET, Moinabad, Hyderabad, has been invited to serve as a resource person for the "IEEE-CASS Hyderabad Sponsored Two-Day Hands-on Workshop on Smart Devices and IoT Systems for Beginners" organized by the JBREC-IEEE Student Branch. On 29th November 2024



6. Eight first-year students from the Department of Electronics and Communication Engineering (ECE) students actively participated in the "IEEE-CASS Hyderabad Sponsored Two-Day Hands-on Workshop on Smart Devices and IoT Systems for Beginners" held at JBREC on November 29th and 30th, 2024.



7. The Centre for Engineering Education Development (CEED) organized its Monthly Teaching-Learning Conclave on 28th November 2024.



8. Three innovative teams from KG Reddy College of Engineering and Technology (KGR CET) are selected to present their projects at the IUCEE Annual Student Forum (IASF) 2025 Finals, to be held at VNR VJIET, Hyderabad. Out of ten submitted ideas, the chosen teams include Zenithdri Solutions, with their AI-driven Portable Multigrain Drier project demonstrating a revolutionary approach to efficient grain drying. The second team, Backbench Innovators, was impressed with their project, Beyond the Broom: Innovating Safe and Efficient Sweeping Solutions, aimed at modernizing cleaning methods. The third team, Navedhana, stood out with their project Navedhana: Revolutionizing the Agriculture Supply Chain, focusing on transforming the agricultural supply chain.

9. The Centre for Engineering Education Development (CEED) at KG Reddy College of Engineering and Technology (KGR CET) proudly congratulates the following esteemed members who are awarded the IUCEE Individual Honorary Membership Award:

- Dr. S Sai Satyanarayana Reddy
- Mrs. Tuti Sandhya
- Dr. Madhulitha Sundaray
- Mr. K Syed
- Mr. K Umashankar
- Ms. K Himabindhu

These members are recognized for their exceptional contributions to engineering education and continued commitment to fostering innovation and excellence. The awardees will be formally honored during the Awards Ceremony at the International Conference on Transformations in Engineering Education (ICTIEE 2025), which will take place on January 10, 2025, at VNR VJIET, Hyderabad.

## TRAINING & PLACEMENT CELL (T&P) :

### 1. SAP EMERGING TECHNOLOGIES - CENTER OF EXCELLENCE:

The Career Guidance Cell celebrated a significant milestone with the inauguration of its SAP (Systems, Applications, and Products in Data Processing) Lab, a state-of-the-art facility supported by the Edunet Foundation and TASK. This lab provides the students with valuable hands-on experience in enterprise software systems, bridging the gap between academic learning and industry demands. By equipping students with practical skills in SAP technologies, the lab aims to enhance their employability and prepare them for the evolving needs of the industry.



2. The Career Guidance Cell hosted a "Career Connect Session" on November 8, 2024, titled "Crack IAS in First Attempt – A UPSC Master Class," in collaboration with Vings Media and G5 Media House. The session featured Mr. P. Krishna Pradeep, Founder and chairman, and Dr. Bhavani Shankar, Director of 21st Century IAS Academy, who shared valuable insights and expert guidance on successfully navigating the UPSC examination.



3. The Career Guidance Cell has organized an Intensive Technical Training Program titled "Master the Stack - Python" for 2nd-year CSE/CSM/CSD students from November 11 to November 22, 2024. This program was conducted daily from 9:30 AM to 4:00 PM and aimed to provide students with in-depth

knowledge and practical skills in Python programming. Through hands-on sessions and real-world applications, participants gained proficiency in full-stack development, enhancing their coding expertise and problem-solving abilities. The training empowered students with industry-relevant skills, boosting their career prospects and preparing them for future challenges in the rapidly evolving tech landscape.



4. The Career Guidance Cell (KGR CET) organized an Intensive Technical Training Program, "Master the Stack - Java," for 2nd-year CSE/CSM/CSD students from November 11 to November 22, 2024. Held from 9:30 AM to 4:00 PM, the program aimed to provide participants with a deep understanding of Java programming and its application in full-stack development. Through comprehensive sessions, students gained valuable skills in Java coding, object-oriented programming, and backend technologies, empowering them to tackle real-world challenges. This training enhanced their technical expertise, preparing them for future opportunities in software development and boosting their employability in the competitive tech industry.



5. The Career Guidance Cell (KGR CET) hosted a one-day LinkedIn Career Kickstarter Program on November 21, 2024, for students from I, II, and III years of Engineering and I and II years of MBA. From 9:30 am to 2:00 pm, the session focused on building a professional LinkedIn profile to enhance career opportunities. Participants learned how to effectively network, showcase their skills, and connect with industry professionals. Students received a complimentary 3-month LinkedIn Premium subscription as an added benefit, providing tools and resources further to advance their career development and job search prospects.



## DEPARTMENT OF STUDENT AFFAIRS (DSA):

IGNUS SEMI-FINALS were held on 5th December 2024:

The students from different houses enthusiastically and fervently exhibited their talent and skills in the IGNUS Semi-Finals. The campus looked colorful and buzzing, and there was gleeful participation. Which can be witnessed in the gallery:







**KG REDDY**  
College of Engineering  
& Technology  
AN AUTONOMOUS INSTITUTION



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Editorial Board KGR CET

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*Editor in Chief:*  
**Mrs. Zareena Zameer**  
Asst. Prof. English

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**KG Reddy College of Engineering & Technology**  
Chilkur Village, Moinabad Mandal, Hyderabad, Dist. Telangana  
Phone: 09000633008 | E-mail: [info@ac.in.kgr](mailto:info@ac.in.kgr)

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