



KG REDDY
College of Engineering
& Technology
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NEWSLETTER

VOLUME 25 • OCTOBER- 2024



**ENGINEERING
INDIA'S
CHANGEMAKERS**

DEPARTMENT OF CIVIL ENGINEERING (CE):

1. A Seminar on Sustainable Development on Green Building Technologies:

"Sustainable Development on Green Building Technologies" organized a seminar on 16th October 2024. The seminar, held in the college seminar hall, was led by Ms. Potu Vinaya Bharathi, a Sustainability Engineer from Chinoy Design Services. Ms. Bharathi shared her expertise on the importance of sustainable development in the construction industry, emphasizing the role of green building technologies in promoting environmental sustainability and energy efficiency.



KG REDDY
College of Engineering & Technology
AN AUTONOMOUS INSTITUTION

CELEBRATING 15 YEARS OF BRILLIANCE

GREEN CONSTRUCTION CLUB

IGBC

One day Seminar on SUSTAINABLE DEVELOPMENT ON GREEN BUILDING TECHNOLOGIES

Coordinator :
Mr. K. Sai Kumar Chary

Date : 16/10/2024

Time : 11.00 am to 1.00 pm

Venue : KGCET Seminar hall

POTU VINAYA BHARATHI
Sustainability Engineer
Worked on Green Building Certifications
(IGBC, GRIHA, LEED, ECBC).
Active member of ASHRAE Member.

Organized by : IGBC student Chapter and Green construction club
In association with Department of Civil Engineering

2. GCC Event Series was a part of IKARUS-2024:

The event featured a variety of competitions, including Poster Presentations, Quizzes, Project Modelling, and Cadthon (a CAD Design Competition). These activities provided a platform for students to showcase their technical skills and creativity across multiple categories. Participants presented innovative ideas highlighting their commitment to green construction and sustainable engineering practices.



3. Student Participation and Achievements:

a. Students excelled at VARADHI-2K24 Techno Fest:

The students from the Civil Engineering department made us proud with their exceptional participation and achievements at the VARADHI-2K24 Techno Fest. The event was hosted at Vardhaman College of Engineering on October 24th and 25th, 2024, in collaboration with the IEEE-GRSS Student Chapter and BIS Standards Club.

- P. Mahesh , P Sarath Kumar and P Akash were awarded a Certificate of Merit and stood first place for their impressive performance in the "Fun with Survey".
- Enjamoori Anusha, Gattu Bhargavi demonstrated their technical skills and creativity by participating in the "Bridge Mockup" event.
- Sriramula Sravya demonstrated her technical skills and creativity by participating in the "Logo Puzzle" event.



b. Student Achievements in IGBC's National Poster Competition:

We are proud to announce that two of our students, Dhanlaxmi Bhukya and Ishwarya Adepu, showcased their remarkable talent by securing top positions in the IGBC's National Poster Competition, themed "Design a Low-Carbon Future." As part of the World Green Building.

c. Student Spotlight:

A week-long celebration was held from September 9th to 13th, 2024. Dhanlaxmi won first place in this prestigious competition, and Ishwarya achieved second place.

d. Webinar Participation on Terzaghi Day: Seismic Resistant Design of Structures:

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.



INDOOR AIR POLLUTION

MD Khadar Baba
*B Tech Student, Department of Civil Engineering, KG Reddy College of Engineering & Technology, R.R. District, Telangana, India.
*E-mail: khadarbaba792@gmail.com



Abstract

Indoor air pollution (IAP) is a relevant area of concern for most developing countries as it has a direct impact on mortality and morbidity. Around 3 billion people throughout the world use coal and biomass (crop residues, wood, dung, and charcoal) as the primary source of domestic energy. Moreover, humans spend 80-90% of their routine time indoors, so indoor air quality (IAQ) leaves a direct impact on overall health and work efficiency. In this poster, it describes the relationship between IAP exposure and associated risks and its management.

Introduction

- Half the world's population and up to 80% of rural households in developing countries still rely on unprocessed biomass fuels.
- 78% of the Indian population relied upon the biomass fuels and about 3% on coal.
- IAP causes 2.7% of the global burden of disease.
- Approx. 2.0 million deaths a year are due to unvented burning of biomass for cooking and heating.
- About half million of total deaths in India (WHO, 2002).
- Pollutant released indoors is 100 times more likely to reach people's lung than a pollutant released outdoors.

Development Of IAQ Standards

Country	Year	Standard
Canada	1987	ASHRAE 62.1-1987
USA	1989	ASHRAE 62.1-1989
Germany	1990	DIN 1946-6
Japan	1990	Japanese Standards Association
UK	1991	BS 6871
France	1991	AFNOR NF S 91-301
China	1996	GB 3095-1996
India	2002	IS 17029

Causes

- Inadequate ventilation and air tightness
- Variations in temperature and humidity levels
- Indoor sources including combustion
- Infiltration of outdoor air contaminants
- Use of cleaning chemicals and building products

Effects of IAQ

- For every 1000 women, ~22.2 are pregnant
- As such, ~8 million babies are prone to ill-effects caused by IAP
- Majority of Indian women keep their children, near by them while cooking.
- Hence ~40 million additional children under 5 are also indirectly affected

Prevention/Control & Conclusion

- It is the time to make connections between the growing burden of disease and the deteriorating conditions of our environment.
- Switch change to Green Policies required. Women suffer the highest exposure to toxins, which is equivalent to smoking many cigarettes every day.
- Air does not differentiate between rich and poor, rural and urban.
- We are also running out of "clean" places. Small and big cities are now exposed to the pain of pollution.
- Installing energy efficient heating, ventilation and air conditioning (HVAC) systems, such as heat pumps or radiative cooling, to reduce energy consumption.
- Implementing the high-efficiency air filters and particulate air filters and purification systems to reduce pollution, reducing the need for frequent air exchange and associated energy consumption.
- Justly Implementing smart building technologies and reducing energy consumption and use.

So wake up and smell the

e. Satwika, a 4th-year student, for her impressive research poster presented at the IGBC competition. Her project, "Greenhouse Gas Diffusive Flux Assessment from Few Indian Reservoirs," explores how major Indian reservoirs contribute to greenhouse gas emissions, impacting global warming. Satwika analyzed emissions of CO₂ and CH₄ from reservoirs like Tehri and Srisaillam, focusing on factors like water temperature and sediment load. Using UNESCO's GHG Risk Assessment Tool, her work emphasizes monitoring reservoir emissions to understand their environmental impact better. We are proud of Satwika's commitment to sustainable research!

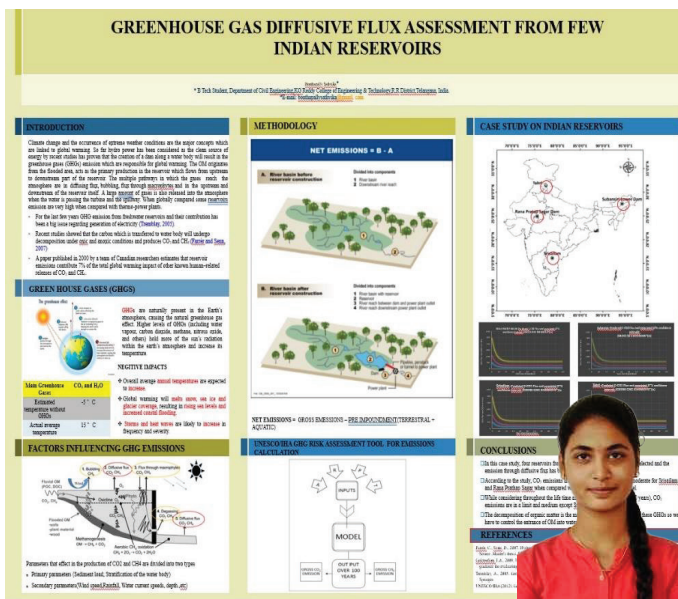
5. Webinar on Understanding Complex, Multi-hazard Risks for Disaster Risk Reduction:

In association with the Office of International Affairs, the Department of Civil Engineering at Presidency University, Bengaluru, organized an insightful webinar on "Understanding Complex, Multi-hazard Risks for Disaster Risk Reduction" on 16th October 2024. This event provided a platform for participants to understand disaster risk management better, emphasizing the importance of proactive measures in mitigating potential risks.

Mohammed Khadar Baba, from 3rd year, has actively participated and certified. The event, aligned with Sustainable Development Goals and International Disaster Risk Reduction Day, underlines the university's dedication to equipping students with essential skills for global challenges.

6. Faculty Achievement: Certificate of Completion

We proudly share that Srinivasa Reddy Vempada has completed the "Enhancing Smart Clean & Green, and Learning Spaces in & around the Campuses for Sustainable Net Zero Future" course organized by the Indo-Universal Collaboration for Engineering Education (IUCEE).



4. Vishnu National Level Cadathon: Build Vision 2K24:

B. Uday Kiran, in his third year of Civil Engineering, has actively participated and certified actively participated in the prestigious "Vishnu National Level Cadathon: Build Vision 2K24" held at BVRIT Narsapur on 19 October 2024. Organized by the Department of Civil Engineering, this national-level event brought together talented individuals and teams to showcase their skills in CAD design, fostering creativity and technical expertise. Uday's involvement highlights his commitment to continuous learning and excellence in Civil Engineering.

DEPARTMENT OF MECHANICAL ENGINEERING (ME):

1. The Department of Mechanical Engineering and Automated Tooling Systems(ATS) in Hyderabad has signed a Memorandum of Understanding (MoU) to promote collaboration in several critical domains. This partnership is designed to enhance student outcomes through improved skill development and knowledge acquisition in the following areas: Curriculum Development, Industrial Training, Internship Opportunities, Student Placement, Research and Development, Industrial Visits, and Guest Lectures.

This initiative lays the foundation for a promising future for our student community.



Mrs. K.Kalpana-HOD-Mechanical Engg. exchanging the MoU with the officials of ATS Pvt.Ltd.

2. Department of Mechanical Engineering is pleased to inform that four final-year students have secured placements through the recent on-campus recruitment drive conducted by the Training and Placement cell. They have been offered positions at Srinsoft Technologies Pvt. Ltd. with a starting package of 3LPA, effective July 2025.

The list of students follows:

Sl.No	Roll Number	Name of the student
1	21QM1A0304	G. Junaid Ansari
2	21QM1A0310	M.Sridhar
3	22QM5A0301	A.Venkataramana
4	22QM5A0309	E.Dharmateja

3. PAL's InnoWAH Challenge 2024 was held at KGR CET and 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

4. We are delighted that ARYUVA, a KGR CET startup, participated in the Coop Pitch 2024 competition from 15 to 18 October at IIM Kerala during the 18th ICA ASIA-PACIFIC RESEARCH CONFERENCE -2024. Dr. K. Udayasri is the faculty mentor for this project. Mr. A. Rakesh Goud and K. Yugandhar, fourth-year students, represented the startup at the conference on behalf of the Mechanical department.



5. Mr. S. Sathish, Assistant Professor- ME, has completed the NPTEL online certification course "Selection of Nanomaterials for Energy Harvesting and Storage Application," which was conducted by NPTEL-SWAYAM.

6. Dr. K. Udaya Sri, Associate Professor-ME, has completed a Faculty Development Program on "Engineering Tomorrow's Cars: Mastering Automotive Architecture with Embedded Systems" organized by the ECE & EEE departments of JBREC Moinabad.

7. Mr. S. Sathish, Assistant Professor-ME, has completed the Faculty Development Program on "Selection of Nanomaterials for Energy Harvesting and Storage Application", which was conducted by NPTEL-AICTE.

8. Ms. Bussa Rachana, a third-year student, has completed the online certification course on "Python Zero to Hero and Generative AI," which was conducted on 17 September and organized by GUVI GEEK Networks.

9. A Technical Article by Rakesh Goud Appala:



Journey of Exploring with 3D Printing Technology: A Personal Story

I am Rakesh Goud Appala, a Mechanical Engineering student at KG Reddy College of Engineering and Technology (KGR CET). My journey with 3D printing began in the second year of BTech when I faced challenges in prototyping the project components. Although I had the designs ready, I needed help to bring them to life to test the mechanisms. It was frustrating not being able to see my ideas materialize.

Then, I discovered 3D printing technology, which completely changed my approach. The ability to rapidly prototype using PLA material, known for its low cost and efficiency, was a game-changer for me. Finally, I could transform my designs into physical models, allowing me to precisely test and iterate on my projects.

Fast forward to the present, and I am now using three different 3D printers with two distinct technologies. Each machine serves a specific purpose, from intricate detailing to rapid prototyping with various materials. My knowledge and experience with 3D printing have grown significantly, enabling me to experiment and push boundaries in design.

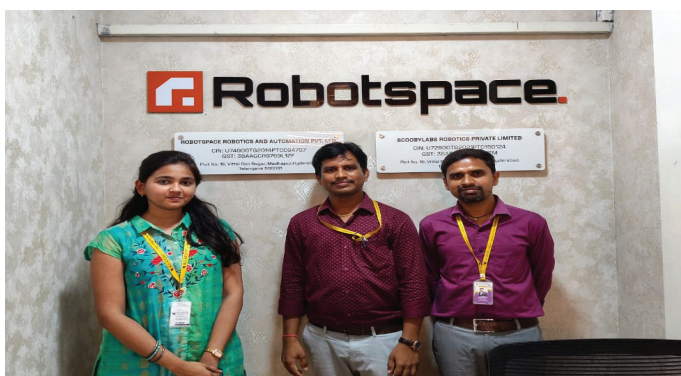
I am also incredibly proud to serve as the President of the 3D Printing Club for 2023-24 at KGR CET. Under my leadership, the club has thrived, and we were honored to receive the Best Emerging Club award at the institute level this year. This recognition has fueled my passion for innovation, and I am thrilled to be part of a community shaping the future of engineering and design.

Being at KGR CET has been an empowering experience. I look forward to continuing my journey, pushing the boundaries of 3D printing technology while inspiring others to explore its endless possibilities.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING (ECE):

1. An Industrial visit to Robot Space Robotics and Automation Private Ltd.:

A One-Day visit to Robot Space Robotics and Automation Private Limited was organized on 16th Oct. 2024 from 2:00 to 4:00 p.m. in Vittal Rao Nagar, Madhapur, Hyderabad. It was an insightful experience for all the participants. Mr. Sai Nithin Krishna Jonnalagadda, CEO of RobotSpace, presented a talk. They witnessed various robot actions, including pick-and-place, welding, and autonomous motion robots. The visit offered to learn about the applications and potential of robotics in real-world scenarios. It greatly enhanced their understanding of robotics and its prospects.



Participants at the venue.

2. Four students are selected for Kenra Technologies LLP:

The following IV-year students are offered the position of Testing Engineer at Kenra Technologies LLP Ganneboina Bhanu Prakash:

- Chetpally Keerthika
- Ragipani Shruthi
- Chinnala Nikhil Kumar

These students will undergo a nine-month probation and training period, during which they will receive a stipend of Rs. 8,000 per month to cover travel expenses. Upon completing the probation and training period, they will receive an annual CTC of Rs. 3,24,000/-.



3. Parent-Teacher Meeting was held on 18th October 2024:

The department organized a Parent-Teacher Meeting for the third-year students. Many parents attended online. In the meeting, academic achievements and areas for improvement were discussed. The parents were suggested to make their wards have fixed study hours so they could perform better in academics.



Mr A Saida HoD ECE and Mr Chandra Prakash with the parents.

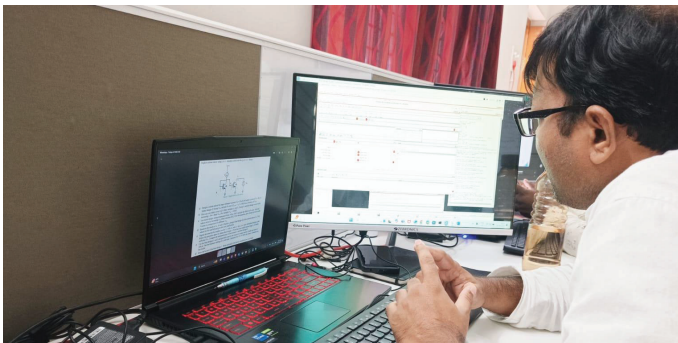
4. An IEEE Conference held at Osmania University on 19th Oct. 2024:

The event provided the students with an excellent opportunity to gain exposure to the latest electronics and communication technology advancements. Throughout the conference, we participated in multiple seminars conducted by experts who shared valuable insights on emerging trends such as 5G communication, IoT applications, and advancements in VLSI design. The seminars were informative and engaging, with professionals discussing innovative solutions and research being conducted across various industries. We could listen to their in-depth explanations and interact with speakers on topics directly related to our curriculum, dramatically enhancing our understanding of these subjects. Additionally, the experience helped us appreciate the importance of staying updated with the rapid technological changes in our field.



5. A seminar on Analog Circuits by Mr. Mukheem on 26th October 2024:

Mr. Mukheem, an Analog Design Engineer from Cardtronics, explained the details of Analog circuits to Dr Vandana, Associate Professor, who completed the simulation on current mirror Analog circuits. The circuits, like current mirrors, are designed for simulation study.



6. A Meeting by IETE held on 26th Oct.

The Institution of Electronics and Telecommunication Engineers (IETE) conducted a Meeting on 26-10-2024. Various college Faculty members attended this meeting and discussed student Internships and Industrial visits.



7. IEEE Education Leadership Summit 2024 on 24th October 2024:

Mrs. Tuti Sandhya attended the IEEE Education Leadership Summit 2024, organized by the IEEE Young Professionals (YP) Hyderabad Section, as a Special Guest on October 24, 2024, at Vardhaman College of Engineering.



8. The Internet of Things (IoT) Club organized national-level technical competitions for various levels of students as part of IKARUS KGR CET—students from outside organizations, such as Vardhamanas Engineering College, AVN Engineering College and Vasavi Engineering College.



9. Mrs. Tuti Sandhya attended a virtual IEEE Industry Conclave 2024 on 25th October 2024.

10. Mrs. Tuti Sandhya attended an FDP at PALS VLAB in virtual mode from 22nd to 24th October 2024.

11. Mrs. Tuti Sandhya organized a Virtual Guest Lecture on Introduction to GST & Income Tax Returns for the ECE Final year students on 25th October 2024

DEPARTMENT OF MASTERS IN BUSINESS ADMINISTRATION (MBA):

1. Orientation Program:

The Orientation Program for the 2024-26 batch was held on October 15, 2024, with an inspiring address from the Chief Guest, Mr. Veera Chappi, Managing Partner of Zonestra Technologies LLC and Victoire Solutions & Services Pvt Ltd. The event was graced by Guest of Honor, Dr. Srinivasa Reddy, Principal of Aristotle PG College, and other distinguished guests including Dr. Sai Satyanarayana Reddy, Principal of KGR CET, Dr. M.N. Narsaiah, Dean-Academics, and Mr. Daniel Prabhakar, Dean of T&P. Faculty, students, and parents attended this insightful event, marking the beginning of a promising academic journey for the new MBA batch, on Day 2, October 16, 2024, representatives from the Centre for Engineering Education Development (CEED) they conducted engaging leadership games, fostering teamwork and leadership skills among the students. The orientation program successfully set the tone for a promising academic year ahead.



2. A Webinar on Financial Education for Economic Growth:

An enlightening webinar on Financial Education for Economic Growth was organized on October 18, 2024, for MBA I and II-year students. Dr. J. Murthy, a renowned Business Analyst and SAP Success Factors Consultant, was the guest speaker for the session. He delivered valuable insights on the critical role of financial literacy in fostering economic growth and the importance of financial planning in today's dynamic business environment. The webinar provided students with practical knowledge and strategies to enhance their financial acumen, preparing them for future leadership roles in the corporate world.

3. A Guest Lecture on Strategic Portfolio Tools & Techniques:

A Guest Lecture on Strategic Portfolio Tools and Techniques for the II year MBA students on 7 Oct. 2024. Dr. Shaik Masood, a Certified SEBI and NISM Empanelment Resource Person and Associate Professor of Finance at Osmania University, Hyderabad, delivered the lecture. His session provided in-depth knowledge of various portfolio management strategies, risk assessment, and investment techniques, equipping students with valuable tools for their future careers in finance. The event was coordinated by Mrs. D. Radha Kumari, Assistant Professor and MBA Coordinator, who ensured its success.

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GUEST LECTURE

STRATEGIC PORTFOLIO TOOLS AND TECHNIQUES

Resource Person
Dr. SHAIK MASOOD
Associate Professor (Finance Expert)
Certified Resource Person of Securities
Exchange Board of India (SEBI)
Faculty Department of MBA
Pendekanti Institute of Management

Coordinator:
Mrs. D. Radha Kumari,
Assistant Professor & Associate Head,
Department of MBA - KGR CET

Date: 07 Oct, 2024
10:00 AM - 4:00 PM

Organized by
DEPARTMENT OF MBA




4. Graduation Day for the MBA Batch of 2020-22:

Graduation Day for the graduating batches of 2020, 2021, and 2022 was held on October 19, 2024. Professor Aryan Srinivas Rajput, CEO of Aryan Group of Companies, graced the event as the Chief Guest. In his address, Professor Rajput shared inspiring words of wisdom, urging the graduates to embrace challenges and continue their pursuit of excellence in their professional careers. The ceremony was a memorable occasion, marking the culmination of years of hard work and dedication for the students, whom faculty, families, and friends joined in this joyous celebration.





DEPARTMENT OF STUDENT AFFAIRS (DSA):

1. Un-Veiling of IGNUS Cup:

Un-Veiling of IGNUS Cup took place:after a Flash Mob. A booklet on IGNUS Cup was released by Dr Rohit Kandakatla- Director, Dr Sai Satyanarayana- Principal and Dr M N Narsaiah- Vice-Principal. The students showed enthusiasm and the event was conducted with a great zeal by all. The rules and regulations to be followed were explained by Rohit sir.



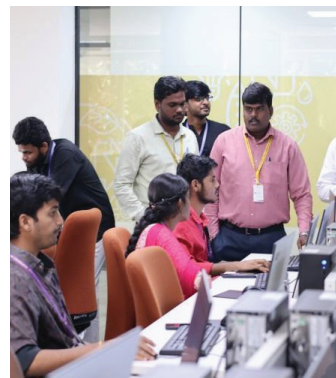
2. IKARUS 2024:

A National level Technical Fest was organized on 28th & 29th October 2024. The competitions were among 8 Clubs, namely:

- AI Club
- Block chain Club
- GCC Club
- Web & App Development Club
- EV Club
- Data Science Club
- IoT Club
- 3D Printing

The event was spectacular. The gallery speaks about the vibrance and enthusiasm of the participants.





3. IGNUS Cup Compitions:

The competitions for the IGNUS Cup have begun among the four houses:

- Red House
- Blue House
- Orange House
- Green House

The students from different houses are showing healthy competitive spirit and trying to outshine the others. Points Table is maintained and it's updated every week.






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POINTS TABLE

POSITION	HOUSE	POINTS
1	BLUE	96
2	RED	89
3	ORANGE	63
4	GREEN	61





CENTER FOR ENGINEERING EDUCATION DEVELOPMENT (CEED):

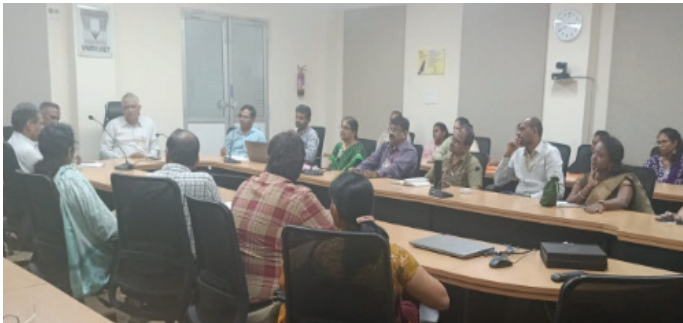
1. The following students are selected as office bearers for the IUCEE (Indo Universal Collaboration for Engineering Education) Student Chapter for the academic year 2024-25.

S Durga Venkata Naga Sai Sasidhar	ECE IIIrd year	President
G Revanth Sai	ECE IIIrd Year	Vice President
G Hemanth Kumar	ECE IIIrd Year	Secretary
K Vishnu Chiatinya	ECE IIInd Year	Treasurer
A Bhargav Srinivas	ME IIIrd Year	Executive Member



2. Mrs. Manchala Manasa (CSE), Mr. Ahmed Mohiuddin (CSE), and Mr. Vishnu Vardan (CSM) attended a 'Faculty Conclave on AI' on 23rd October, 2024 at VNR VJIT. The meeting brought together Kalyan Ram and faculty members from Telangana IUCEE institutions, all collaborating on projects related to Artificial Intelligence for Industry 4.0 and Smart Manufacturing.

This gathering focused on connecting faculty with industry contacts in the Hyderabad area, fostering stronger ties between academia and industry in AI-driven innovation for advanced manufacturing.



3. A Team-Building Activity for the first-year MBA students as part of the Orientation Program on 16th October 2024:





5. Pankaj Kachawa, R Ankith, and Naman Handa from CSE II year through IUCEE Student chapter attended a Two-Day TechX Celebrate Hackathon at GITAM (Deemed to be university), Bengaluru on 5th& 6th Oct. 2024.



4. Twenty-two students completed the 6-week IUCEE Mini Course on "Overview of Emerging Technologies" from 7th September to 22nd October 2024. This achievement was made possible through the dedicated mentoring and support of Ms. G. Lakshmi Bhavani and Ms.K Hima Bindhu, who guided students through their assignments and helped them reach this important milestone.

CENTRE FOR INNOVATION & SOCIAL TRANSFORMATION (CIST):

1. The Centre for Innovation and Social Transformation (CIST) has been honored with the prestigious 2024 GEDC Quanser Sustainability Award. This recognition highlights the center's impactful efforts in advancing sustainable innovation and Community Engagement. Mrs. P. Samyuktha, Head of CIST, will receive the award at the upcoming World Engineering Education Forum in Sydney, where leaders and innovators in engineering education will gather to celebrate achievements in sustainability and innovation.

2. On the occasion of Gandhi Jayanti on October 2nd, 2024, Mr. Mohan, a dedicated faculty member of CIST, extended his service to the community by visiting Sriram Nagar Village as part of the 'Swachhata Hi Seva' program. This community-driven cleaning initiative was organized under the Unnat Bharat Abhiyan. During his visit, Mr. Mohan participated in the cleaning activities, engaging with residents to promote awareness and action toward maintaining a cleaner environment. He also interacted with Primary Health Center (PHC) workers, gaining valuable insights into health challenges in the village.



3. Approximately 30 student teams from CIST submitted their ideas to MSME Hackathon 4.0 supporting innovation in Small and Medium Enterprises (SME) Organized by KASE. This event provides a platform to explore entrepreneurial solutions, engage in real-world problem-solving, and enhance skills vital for contributing to the MSME sector's growth. The students submitted their ideas under different themes, such as culture, Green Technology, Health technology, etc.

4. Mohana Krishnaveni, a student from CSE in her final year, shared her journey and how CIST helped her become a successful student. Through CIST-offered courses, such as Design Thinking and Sustainable Development, Social Innovation, and Innovation for Rural Development, These transformative courses empower students to address real-world challenges by bridging technology with community needs. Through hands-on projects, students created solutions and registered startups like ZenithDri Solution Private Limited, Sacle Technologies Private Limited, Vaarahi-



The Next Generation Farming Private Limited, Componova Agri Solutions Private Limited, Navedhana Profit Amplifier Private Limited, fostering both innovation and social responsibility.



5. Mr. B. Mohan, a faculty member of CIST, participated in the 50th Chinna Shodha Yat Yatra, organized by Srujana, in the rural areas of Eleswaram Mandal, Kakinada District, from October 25th to 27th, 2024. The Yatra provided insights into diverse cultures and traditional methods of sustainable living.



6. From 1st October 2024 to 7th October 2024, Mrs. K. Manasa, CIST Technical Assistant, attended training at Hamstech on stitching techniques. Mrs. Sahithi Reddy, a staff member of Hamstech, demonstrated Banjara embroidery techniques and machine applications and provided one week of training on modern methods for Banjara bag-making.





7. Mrs. P. Samyuktha, Head of the Centre for Innovation and Social Transformation (CIST), was featured in the AKSHI Telugu newspaper on October 27, 2024. The article highlighted her success in implementing the Incense Stick Making Machine project in Sri Ram Nagar Village and showcased the positive impact she has made on the local women's community.

ముదతల నివారణ..?

దీని ద్వారా తయారే చేయబడే పూలు ముందే కడమిడి దుప్పడంతో ముతానానికి మట్టిండాని 300 గ్రాములకు తయారై గోరువెచ్చుకునే దీనితో బడిగియారి, ఇంకా క్రమం తప్పకుండా 300 గ్రాముల వేస్తే ముందే కడమిడి తయారవుతుంది.

వాడిన విరులూ పరిమళిస్తాయి

తమిళనాడులో పూలు సమృద్ధిగా ఉన్నాయి. కానీ వాటిని వాడేటప్పుడు ముందే కడమిడి దుప్పడంతో ముతానానికి మట్టిండాని 300 గ్రాములకు తయారై గోరువెచ్చుకునే దీనితో బడిగియారి, ఇంకా క్రమం తప్పకుండా 300 గ్రాముల వేస్తే ముందే కడమిడి తయారవుతుంది.

తయారీ విధానం...

పేటకంపై పూలు ముందే కడమిడి దుప్పడంతో ముతానానికి మట్టిండాని 300 గ్రాములకు తయారై గోరువెచ్చుకునే దీనితో బడిగియారి, ఇంకా క్రమం తప్పకుండా 300 గ్రాముల వేస్తే ముందే కడమిడి తయారవుతుంది.

మార్కెట్ లో

పూలు ముందే కడమిడి దుప్పడంతో ముతానానికి మట్టిండాని 300 గ్రాములకు తయారై గోరువెచ్చుకునే దీనితో బడిగియారి, ఇంకా క్రమం తప్పకుండా 300 గ్రాముల వేస్తే ముందే కడమిడి తయారవుతుంది.

ఆమెకు హ్యాట్సాఫ్

పూలు ముందే కడమిడి దుప్పడంతో ముతానానికి మట్టిండాని 300 గ్రాములకు తయారై గోరువెచ్చుకునే దీనితో బడిగియారి, ఇంకా క్రమం తప్పకుండా 300 గ్రాముల వేస్తే ముందే కడమిడి తయారవుతుంది.

CENTER FOR RESEARCH & INNOVATION DEVELOPMENT (CRID):

SCI JOURNAL PUBLICATION:

1. Dr. K.Maithili, "DKCNN: Improving deep kernel convolutional neural network-based COVID-19 identification from CT images of the chest", Journal of X-Ray Science and Technology, 10.3233/XST-230424

SCOPUS JOURNAL PUBLICATION:

1. Dr. Siva Shankar S, "An Effective Resource Allocation and Revenue Generation for Rental Vehicles", International Journal of Transport Development and Integration, International Information and Engineering Technology Association, 10.18280/ijtdi.080303
2. Dr. Siva Shankar S, "Exploring Instagram Influencer Networks: A Graph Based Machine Learning Approach", Mathematical Modelling of Engineering Problems, International Information and Engineering Technology Association, 10.18280/mmep.110806

BOOK CHAPTER:

1. Dr. M. R. S. Suryanarayana Reddy, "Workplace Expectations of Gen-Z: An Empirical Study", Purpose and Values: Integrating Diversity, Equity and Inclusion, 10.4324/9781003501374-39
2. T. Venkata Ramana, "Humanity Deficit at the Workplace: Amplifying the Unheard Voice Through Empirical Research", Organization, Purpose and Values: Integrating Diversity, Equity and Inclusion, 10.4324/9781003501374-18
3. Dr. Siva Shankar S, "Real-world impact: Case studies and success stories in AI-driven Alzheimer's disease research and care", AI-Driven Alzheimer's Disease Detection and Prediction, IGI Global, 10.4018/979-8-3693-3605-2.ch016

SCOPUS CONFERENCE

1. Mr. Chennakesi Ganesh, "Modeling and simulation of welded joints of SS304H & P91 Steels: A Review", E3S Web of Conferences, 10.1051/e3sconf/202455201037
2. Mr. Aaluri Suresh, "Experimental & numerical investigation of heat transfer using twisted tapes with rectangular cuts", E3S Web of Conferences, 10.1051/e3sconf/202455201010
3. Mr. Srinivas D, "Performance analysis of solid-state batteries in Electric vehicle applications", E3S Web of Conferences, 10.1051/e3sconf/202455201149
4. Mr. Thangamani Kothapally, "Strength properties of soil stabilization with natural fiber (coconut coir)", AIP Conference Proceedings, 10.1063/5.0225016
5. Dr. Madhusoodanan Nair, "Ray Tracing and Simulation of Parabolic Dish Collector using Soltrace for Vehicle Applications", E3S Web of Conferences, 10.1051/e3sconf/202455201026
6. Mr. Srinivas D & Ms.Samyuktha P, "Fuzzy Logic Controller-Based DSTATCOM to Improve Power Quality in Distribution System", Lecture Notes in Electrical Engineering, 10.1007/978-981-97-2788-9_3
7. Dr.Lade Jayahari, "Wear parametric Optimization of FSW parameters on Al Alloy Using MLP technique", E3S Web of Conferences, 10.1051/e3sconf/202455201085
8. Ms.P. Shirisha, "Simultaneous Wireless Power and Data Transfer in Different Applications", E3S Web of Conferences, 10.1051/e3sconf/202455201147
9. Mr. Laliseti Ganesh, "Investigation & Optimization of WEDM Process Parameters using Inconel 690", E3S Web of Conferences, 10.1051/e3sconf/202455201030

10. Dr. D. Chandra Prakash, "Grid Secondary Frequency Control by Fuzzy PI - PD Controller", E3S Web of Conferences, 10.1051/e3sconf/202455201142
11. Mr. Nimmagadda Babu, "Review On Development, Nanoparticle Reinforcement and Sustainable Materials For Enhancement Of Mechanical Properties In Aluminium Hybrid Metal Matrix Composites", E3S Web of Conferences, 10.1051/e3sconf/202455201068
12. Mr. B. Lingam, "Investigation of WBG based Power Converters used in E-Transportation", E3S Web of Conferences, 10.1051/e3sconf/202455201145
13. Dr. M. Durga, "Analysis of IoT and Artificial Intelligence Smart Transportation System Application Technology", 2024 International Conference on Advances in Modern Age Technologies for Health and Engineering Science, AMATHE 2024, 10.1109/AMATHE61652.2024.10582176
14. Mr. K. Kalpana, "Experimental Analysis on Turning of Super Duplex UNS 32750 Steel Using Minimum Quantity Lubrication Process", E3S Web of Conferences, 10.1051/e3sconf/202455201076
15. Dr. Dharavath Balaji, "Analysis of the stir casting parameters of Al 6000 series composites using TOPSIS method", E3S Web of Conferences, 10.1051/e3sconf/202455201087

CAPACITY BUILDING PROGRAM

1. CRID conducted an Awareness session on "Consultancy Works", dated on 05.08.2024 addressed by Dr. Srinivasa Reddy, Professor, Department of Civil Engineering, KG Reddy College of Engineering and Technology, Hyderabad.



Awareness Session on Consultancy Works

Coordinator : Dr. BP Narasaiah

Date : 5th August 2024

Time : 01:00 pm

Venue : Digital Library

Organised by : Centre for Research
Innovations & Development



2. CRID conducted a One-Day Workshop on "Innovation & Patent Strategies", dated on 22.08.2024 addressed by Mr. Ravi Kumar Chandana, Director of Operations, EigerTech, Hyderabad.

Workshop on

Innovation & Patent Strategies

Coordinator : **Dr. Srinivas Jhade**

Date : 22nd August 2024

Time : 01:00 pm

Venue : Seminar Hall

Organised by : Centre for Research
Innovations & Development

Workshop On

Achieving Academic Excellence: A Case Study of NIRF

Coordinators :
Dr.L.Jayahari, Dean R&D

Date :29th August 2024

Time : 10:30 AM

Venue : Board Room

Organised by : Centre for Research,
Innovation and Development

3. CRID conducted workshop on "Achieving Academic Excellence: A Case Study of NIRF", dated on 29.08.2024 addressed by Dr. Gopala Krishna Pasumarty, Dean, Assessment & Accreditation, GRIET, Hyderabad.



4. CRID conducted an Awareness session on "CRID invites proposals to form Research Group", dated on 30.08.2024 addressed by Dr. L. Jayahari, Dean R&D, KG Reddy College of Engineering and Technology, Hyderabad.



AWARDS:

1. Dr. B. Vandana acts as Reviewer in "First International Conference on Semiconductor Materials packaging, AI&ML, Reconfigurable VLSI Architectures for IoT, Future Communication Technologies" (SMART-2024) during 19-20 September 2024

VISIT TO ANURAG UNIVERSITY:

- Visited VLSI & Embedded & IoT labs. In VLSI Cadence tool is available
- Visited Nanomaterial lab and discussed about the material absorption with spectrometer

- Focus areas for research are primarily AI (Machine Learning and Deep Learning) and Computer Vision.
- 3D printing facility with different types of multiple printers(PLA, FDM)
- Manufacturing lab(CNC of milling and lathe)
- Additive manufacturing lab
- Nano technology (Material coating machine and solar energy research)
- Doing Research on small Satellites
- Hiring POPs (professors of Practice) is elevating the research scope of the department.



TRAINING & PLACEMENT CELL:

1. The Training & Placement Cell conducted the Kenra Technology on-campus recruitment drive on 16 October 2024; the package offered was 3.24 LPA.



5. Technologies Training Program:

The Training & Placement Cell of KG Reddy, College of Engineering and Technology, successfully organized a Student Development next-wave online platform providing IT courses for professionals. The platform offers courses for learning data science, blockchain, cybersecurity, and more. In addition, Session on 21/10/2024 process and make informed decisions about their academic future.



4 Students from ECE are placed at Kenra Technology.

2. The Training & Placement Cell conducted Sunglare Technologies campus recruitment drive on 18 October 2024; the package offered was 3LPA. Thirty-eight students were selected, with 27 from the ECE department and 11 from the Mechanical department. They were glad to get a job offer at Sunglare Technologies.



3. The Training & Placement Cell conducted WORKCOHOL on campus recruitment drive on 25 October 2024, Package offered was 5 LPA.



WORKCOHOL®

**ON CAMPUS
RECRUITMENT
2025 BATCH**

ELIGIBILITY: B.TECH (CSE/CSD/CSM/ECE/ME)

**PACKAGE
5 LPA**

**CAREER
GUIDANCE
CELL**

KG REDDY
College of Engineering
& Technology
AN AUTONOMOUS INSTITUTION

**CELEBRATING
15
YEARS OF
BRILLIANCE**

25TH OCTOBER 2024, SEMINAR HALL, 10:00 AM

4. 18 students from CSE, CSD & CSM, ECE branches are placed at WORKCOHOL Technology.



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



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