



KG REDDY
College of Engineering
& Technology
AN AUTONOMOUS INSTITUTION

NEWSLETTER

VOLUME 03 DECEMBER – 2022

ENGINEERING

INDIA'S

CHANGEMAKERS

THE DEPARTMENT OF ECE:

THE DEPARTMENT OF ECE:

1. Industrial Visit to National remote Sensing Centre, ISRO Out Reach Jeedimetla on 1st December:

An Industrial visit to National Remote Sensing Centre, ISRO outreach Jeedimetla was organized. When they reached the center, a group photograph with NRSC scientist Mrs. Shaphali Tunden was taken then a session by Mrs. Shaphali Tunden on Indian Space Research and the evolution since and then was there.

Mrs. Shaphali Tunden explained the students about Indian Space Research history as Sarabhai started a project for the fabrication and launch of an Indian satellite. As a result, the first Indian Satellite, Aryabhata, was put into the orbit in 1975 from a Russian Cosmodrome. He was the founder of Indian Space Research Organisation. They have also shown them various satellite image prediction done by ISRO using PSLV and GSLV with different ranges from Kilometer to meter.



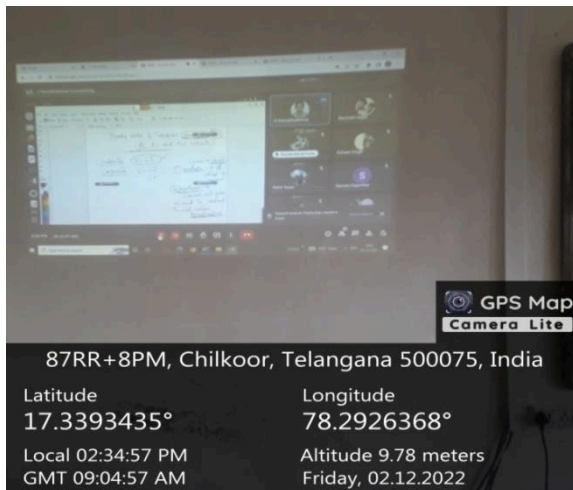
A group of IV ECE students at NRSC, ISRO outreach Jeedimetla.

2. A Guest Lecture on Network Analysis and Transmission Lines on 2nd December:

A Network Analysis and Transmission Lines guest lecture was conducted in online mode. Mrs. G. Deepa, Asst. Prof. coordinated.

Dr M. N. Narsaiah, Head of the department introduced the resource person Mr. Veera Bhadra Rao, Asst. Prof. from MGIT, Gandipet, Hyderabad. He started his lecture with the introduction of passive elements such as resistor, inductor and capacitor.

He also explained about the impedances and reactance, steady state and transient analysis of RL and RC circuits.



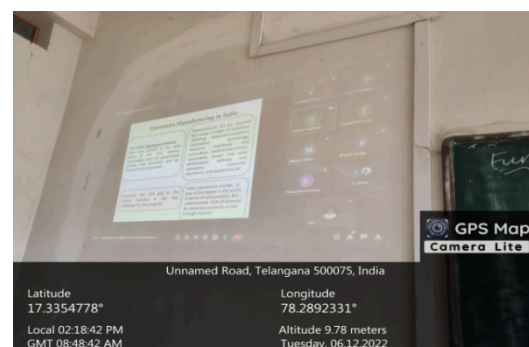
Mr. Veera BhadraRao .the resource person explaining about the Steady State Analysis.

3. A National Seminar - online: ATRIA Bangalore on 6th December:

Mr. A. Sai Chander, Asst. Prof. organized an Online Seminar on Emerging Technologies and Electronic Manufacturing and Design: Key Challenges and Future Scope for III ECE. Students. He introduced the guest handed over the session to Dr. Shipra Upadhayay.

An Outline of the session:

- Electronics manufacturing in India.
- Initiative of government of India (GOI).
- Key parameters in designing Electronics circuits.
- Technology for Electronics Manufacturing.
- Key challenges.
- Future scope.



Mr.A.Sai Chander introduced Dr.Shipra Upadhayay.

The speaker explained Electronics Manufacturing in India in the following way:

- Skill gap in the India industry s a key challenge but it the skill development program initiated by government of India making the progress simple.
- India's Electronics Market is one of the largest in the world in terms of consumption.
- Semiconductor IC'S for large number of industries are manufactures in India
- In India Electronics industry is showing rapid growth in 21st century by encouragement of the Government policy and by international investments.

4. An students awareness session on 6th December:

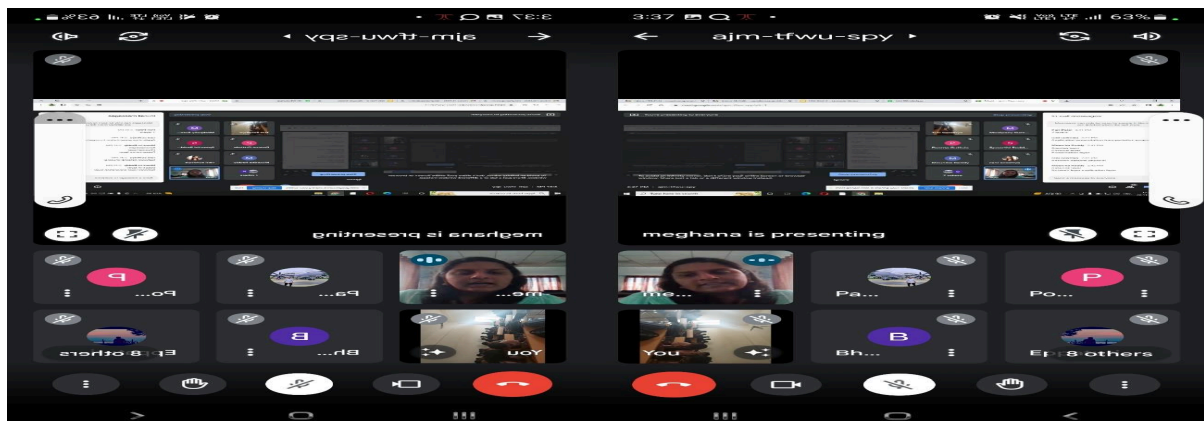
The Telecom Regulatory Authority of India (TRAI) is a regulatory body set up by the Government of India under section 3 of the Telecom Regulatory Authority of India Act, 1997. It is the regulator of the telecommunications sector in India. It consists of a chairperson and not more than two full-time members and not more than two part-time members. The TRAI Act was amended by an ordinance, effective from 24 January 2000, establishing a Telecom Disputes Settlement and Appellate Tribunal to take over the adjudicatory and disputes functions from TRAI.



Declaration by customer regarding number of already held mobile connection in his name across all the TSPS. He Mentioned that no common platform was available which is having the subscribe data base of all TSPS. Interacted with the students on Usage of iPhone, iPad.

5. Guest lecture on DCN on 13th December:

In the first part of the session speaker Ms. Meghana focused on the essentials of digital communication and in the second part discussed about the important aspects of data communication networks. In a digital communication system, the information is processed so that it can be represented by a sequence of discrete messages. The digital source may be the result of sampling and quantizing an analog source, or it may represent a digital source such as the contents of a computer memory. When the source is a binary source, the two possible values 0 and 1 are called bits for binary source.



The session in progress.

THE DEPARTMENT OF CSE - DS:

1. A Guest Lecture on “Discrete Mathematics” was conducted on 10th Dec. 2022:

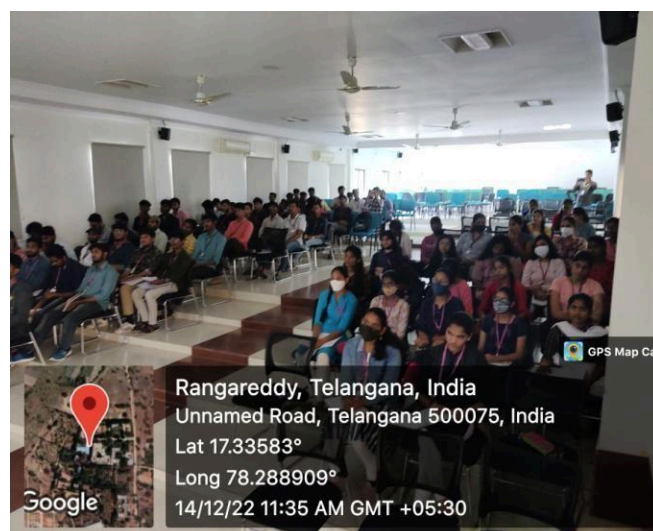
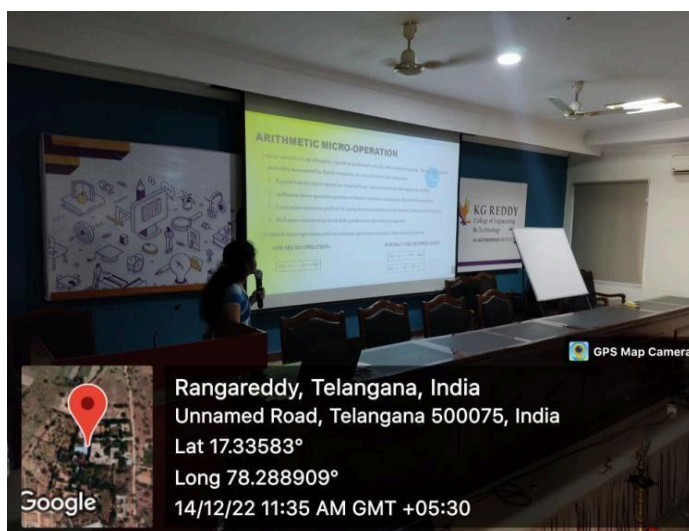
A guest lecture was conducted on Discrete Mathematics. Dr. Ganesh D was the resource person. develop appropriate diagrammatic representation of lattices using the given sets. The students were informed on developing appropriate diagrammatic representation of lattices using the given sets to understand the basic concepts and properties of sets. The effective usage of functions, generating functions and recurrences. To enhance the skills on lattices and properties **the** students are able to apply the concepts of sets and properties on different domain problems.



Students interaction with the resource person.

2. A Guest Lecture on “Computer Organization and Architecture” conducted on 14th Dec. 2022:

A guest lecture was conducted on Computer Organization and Architecture, Mrs.P.Swarna Latha, Asst. Prof; JBREC. was the resource person. The students were informed on the principles of computer organization and the basic architectural concepts. They could acquire the basic knowledge of digital logic levels and application of knowledge to understand the digital electronics circuits, structure, function and characteristics of digital computer systems. The K-Maps can be implemented using a minimum number of logic gates.



The session in progress and the audience.

3. A Guest Lecture on “Design Analysis and Algorithms” conducted on 20th Dec. 2022:

A guest lecture was conducted on **Design Analysis and Algorithms**. Dr Muni Shekar Velpuru was the resource person. The students were informed the meaning and characteristic of Branch and Bound Algorithm techniques. To implement different algorithm design for solving engineering and related problems the were able to understand the efficiency evaluation of algorithm of Branch and Bound techniques and analyze the various classes for complex problems like P, NP, and NP complete to improve efficiency.

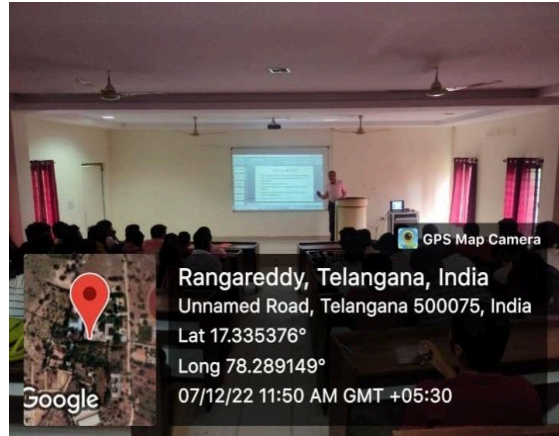


Dr. Muni Shekhar with the participants.

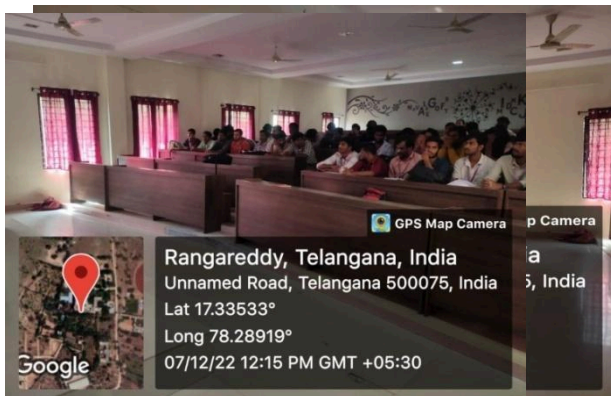
THE DEPARTMENT OF CE:

1. A Guest Lecture on “Soil Investigation for Structures” on 7th December:

A guest lecture on the topic “Soil Investigation for Civil Engineering Structures” for the III & IV year students. The eminent expert Mr. Nafees Ahmed - Retired Executive Engineer, Irrigation & CAD Department, Telangana was invited. The speaker explained about the basics of soil investigation and the tests needed to be carried out at the site before construction. He said that the soil investigation consists of two stages - Preliminary investigation, Reconnaissance survey - study of topography, excavations, drainage pattern, streams etc. To study the nature, sequence and extent of subsoil strata and location of ground water table. He interacted with the students. He also explained about the field tests carried out with few case studies.



Mr. Nafees Ahmed explaining about reconnaissance survey.



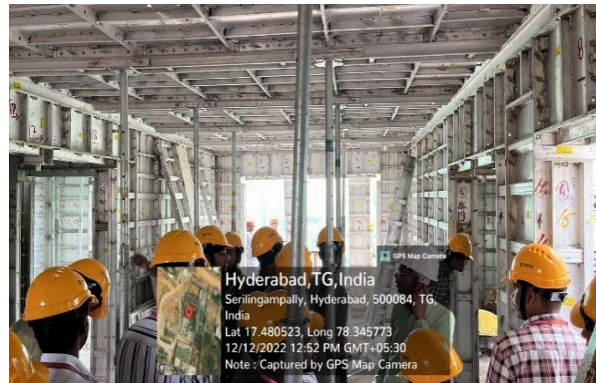
Mr. Nafees Ahmed interacting with the students.

2. An Industrial visit to “JMC Projects (India) Ltd, Viva City,Kondapur” on 12th December:

A one-day industrial visit was organized for the III year students. To gain practical experience where students can acquire knowledge on mix design, types of cements, types of admixtures, concrete mixing proportions, bar bending schedule, building planning and quantity estimation including the safety measures to be taken during construction works, was well explained by the JMC Project Engineers especially Mr. Mahesh Project Manager, Mr. Hari Prasad Manager.

Mr. Jalander explained about the construction work at the site with series of steps from planning that includes quantity survey of the 440-crore project.

Mr. M. Vijay Kumar and Mrs. D. Harika Asst. Professors accompanied the students, to Viva City, Kondapur. Assistant Manager & Senior Engineer initiated their interactions with the students by explaining safety measures followed by equipment's usage during Quality testing of soil samples, Concrete Cubes, Material Usage. Estimation of Project Reinforcement detailing. By this visit the students gained practical knowledge and was aware of several construction practices on the site.



Project Manager presenting the bar bending process, explaining the Shuttering Process.



Project Manager explaining about the safety measures. Students at JMC Vivacity, Kondapur.

3. A Guest Lecture on Influence of Different Geological Structure was organized for the II year students. The Speaker Dr.Bhumika Das, Associate Professor from LCIT, Bilaspur, Chhattisgarh was invited to deliver the lecture. She explained about the Rock deformations, development of Folds, Faults, Joints and unconformities. She also said about the classification of Folds, Faults, Strike, Dip along with the formation of several kinds of unconformities such as Disconformities, Angular

Conformities and Non-Conformities. The students interacted with the speaker and cleared their doubts.

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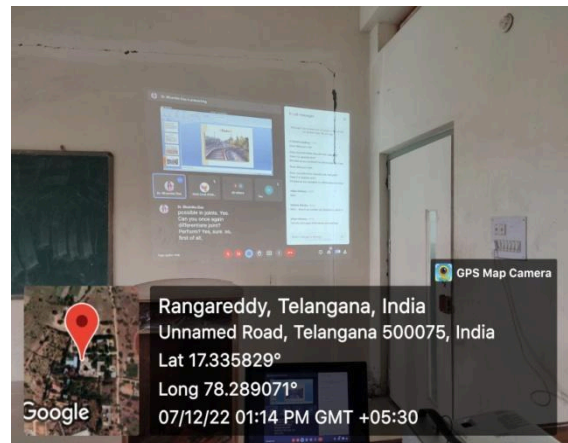
Topic :
**INFLUENCE OF
DIFFERENT GEOLOGICAL
STRUCTURE ON
CIVIL ENGINEERING**

7th Dec, 2022
12:00 PM – 1:30 PM

Dr Bhumika Das
HOD Civil Department
Lakhmi Chand Institute of Technology,
Bilaspur, Chhattisgarh

Organized by :
DEPARTMENT OF CIVIL ENGINEERING

@kgrcet



Dr. Bhumika Das explaining about Dip direction and strike direction.

4. A Three-Days workshop on “Total Station” from 29th to 31st December:

The Department of Civil Engineering in association with HIEE Empowering Engineers Private limited organized a three days’ workshop on “Total Station Surveying” for the III & IV year students. It was to impart adequate working knowledge on surveying using Total Station equipment.

Inaugural Session was conducted followed by the resource person delivering a lecture about various surveying methods and instruments, concepts of surveying and data collection using Total station. Further the lecture continued with introduction to Total station & its Bands, Parts of Total Station, control panel introduction, Display (LCD) introduction. In the afternoon session, hands on session in the field using Total Station.

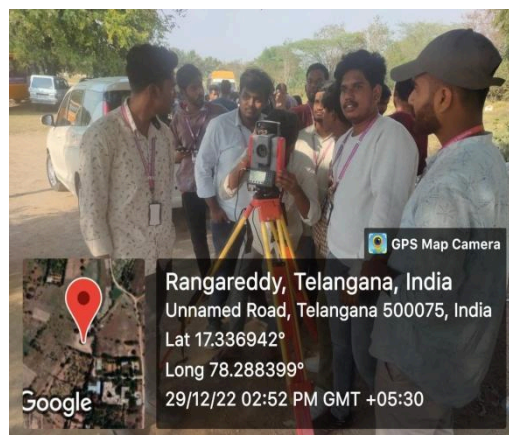
On Day 2, it was about coordinate systems, to set up station point using ground coordinates and set up of back sight point.

On Day 3, the students learned about transferring data from total station to PC, Post processing of data using AutoCAD, preparation of map coordinates taken, selection of stake points on the map.

The speakers Mr. K. Balachandu and Mr. C. Samuel Peter were felicitated. The faculty coordinators were Mr. Jagadish Harannati, Mr. P. Mahantesh, Mr. G. Venkatasai Prasad. The session ended by the vote of thanks delivered by Mr. G. Mounika Naidu.



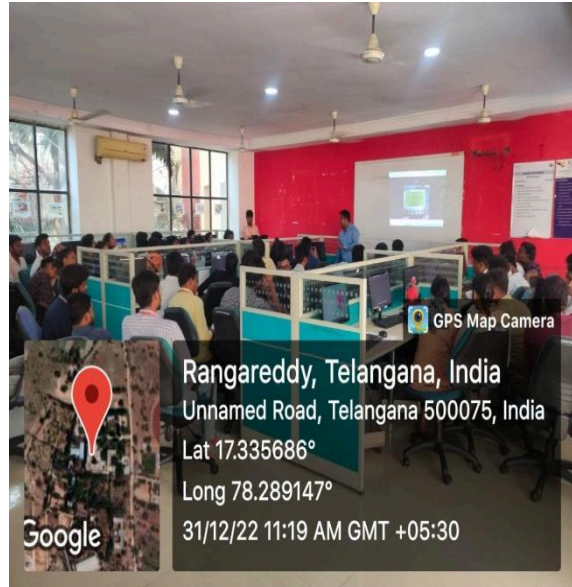
Inaugural session.



The students taking the readings.



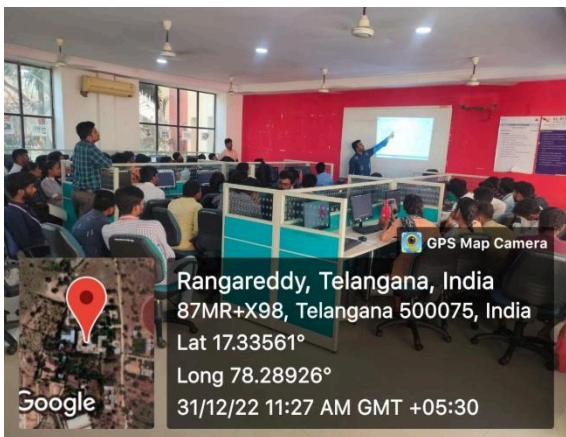
The students recording the readings.



Transferring data from total station to PC.



Group photo.



The speakers during the session.



Valedictory program at E- Class room.

Faculty Achievements:

- Mr. K.Thangamani, Assistant Professor published his paper on “Experimental Study on Partial Replacement of Cement Using Marble Powder and coarse Aggregate with Demolished Waste” in AIP conference Proceedings, Scopus Indexed.
- Mrs. G.Mounika, Assistant Professor published her 2 Research paper’s on “Experimental Investigation on the Sulphuric Acid Resistance Using Mineral Admixtures” and “Digital Image Processing for Idle Time analysis of Construction Equipment” in AIP conference Proceedings, Scopus Indexed.

Student Achievements:

One of our student Sravan Rao Thandra, has taken admission in MSc Civil and Structural Engineering at Teesside University. We all congratulate him for his achievement and wish him success in future.



THE DEPARTMENT OF MBA:

1. Group presentation activity conducted on 3rd December:

A group presentation activity was conducted for the 1st year MBA students. The students were divided into groups and made to work on a story which was given to them in a piece meal fashion (bits and pieces). Their job was to make a group presentation in a logical manner. Since four short stories were embedded in the main story, each team had to find a leader to give the gist of the story, four presenters to narrate four mini storie. One member to give the list of the tough words they encountered and their meanings and a member to give a brief account of the different skills such as Presentation skills, Leadership skills, Decision making skills, Negotiation skills, Team work skills, Co-existence with the opposite gender etc. , they had learnt while working on the story.



Activity.

Students involvement in the

2. Guest Lecture on Financial literacy on 31st December:

A Guest lecture was conducted on Financial literacy for I & III Sem students coordinated by Mrs. D. Radha Kumari, Assistant professor.

Mr.Narasinga Rao. M.V acted as subject expert and addressed the students to make use of money to reach the future aspirations with wealth management. He also enlightened them about the importance of savings and explained various investment avenues like Mutual funds, Online trading. All the students received useful inputs from the resource person. The session ended with the closing remarks and followed by felicitation to the expert by Dr.Sukanya Metta, Head of the Department.



Students actively listening to the Guest lecture on Financial literacy. The Guest being Felicitated.

3. Achievements in Sports:

Mr.Pavan Kumar (22QM1E0053) represented KG Reddy college of Engineering and Technology under JNTUH at All India National Fencing Competition 2022-2023 held at University of Jammu. The team secured 3rd place in JNTUH and 44th place in all India.



Mr. Pavan Kumar.

4. Prevention of Sexual Harassment Committee:

A talk on women's safety and security

A talk on women's safety and security was organized by Prevention of sexual harassment committee in collaboration with women's Cell on 7th Dec 2022.

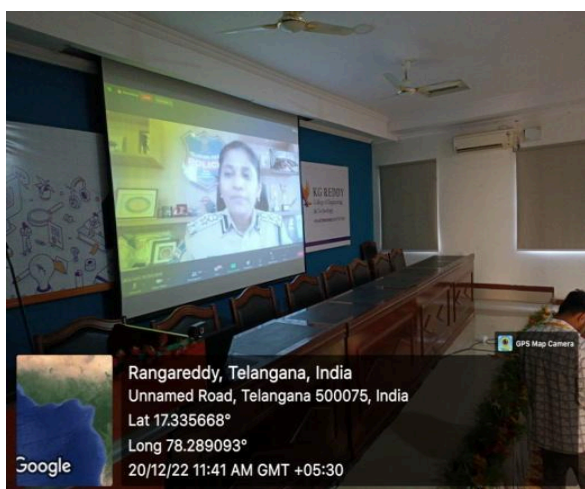
Mr. Sirisha SI, Mr. Shravan SI, from Rajendar Nagar SHE teams addressed the students to spread awareness of SHE teams. They informed to react much before the incident happens. Ms. Sirisha SI, spread awareness about the POSCO Act. They encouraged the students to install hawk eye mobile app in their respective phones for their safety and use help line numbers 1098, 181 in emergency. Police requested girls/women facing any kind of harassment to approach the She Teams by sending a message to WhatsApp No.9490617444 or directly call the divisional She Team or Dial 100 or send an e-mail to sheteam.cyberabad@gmail.com or Twitter (@sheteamcybd), Facebook (Women and Children Safety Wing) and Instagram (womenandchildrensafetywingcybd).



Students with SHE teams, Rajendra Nagar and Dr.Sukanya Metta, Convener-Prevention of sexual harassment committee presenting mementoes to Mrs. Sirisha, SI, SHE teams, Rajendra Nagar.

5. UNITE FOR HER CONCLAVE-2022:

On 20th Dec, 2022 Telangana Police in association with Women Safety wing organized a webinar “Unite for Her Conclave “. The Students of KGR CET along with other 147 Engineering colleges from Telangana participated in the webinar. The main motto of the program was to aspire and empower the youth of the nation to become responsible citizens. Bureaucrats such as Mrs. Swathi .Lakra IPS, Mrs. Sumathi IAS, Mrs. Divya IAS, Mr. Ashok additional SP came forward and encouraged youth to play an active role in fighting violence against women and children. They also spoke about formation of safety clubs in every college and the initiatives taken by Telangana Police to support women and child safety and the initiatives taken by the government.



Students actively listening to the talk of Swathi Lakra, IPS.

6. Interaction with Alumni on 31st December:

The Department of MBA Alumni (Batch: 2020- 22) interacted with freshmen 2022 batch of students on 31st Dec 2022. The alumni shared their experiences in the college and explained them about the importance of attendance and participating in various co and extra-curricular activities. They shared their experiences while cracking the interviews and emphasized the importance of communication skills. The entire session went on well under the supervision of Dr. T. Venkata Ramana and Mrs D.Radha Kumari.



Alumni interacting with 2022 batch of students.

The following Alumni interacted with the students.

- G.Maneesha (20QM1E0004) working as Production Assistant for DNEG India Media Services Limited
- Y.Vamshi Krishna(20QM1E0005) qualified Main exams and Events for the post of SI & Constable Exams
- E.Pavan Sai (20QM1E0006) qualified Main exams and Events for the post of SI & Constable Exams
- Md.Salman khan (20QM1E0013) working as an Associate Claims Executive (IND) at Legato Health Technologies LLP.

- P.Chetan Sai Reddy(20QM1E0046) The founder of a startup company Pappas Diet which is into making of Protein food and also working as Assistant Consultant -Oracle Fusion at INTECH.

THE DEPARTMENT OF CSE:

1. A Workshop on Understanding of Routing & Switching Concepts in Data Communication and Network.

A One day workshop for III year students on “ Understanding of Routing and Switching Concepts in Data Communication and Networking” was conducted.



2. A 2-Days workshop on Python on 21st December:

A Two-Days workshop was organized on Python for the 3rd Year students. The students learnt the programming in Python and developed interest in the subject. Mr. Ch. Jalender was the resource person.





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MONTHLY SEMINAR SERIES

THREE DAYS WORKSHOP ON PYTHON PROGRAMMING

19th - 21st December, 2022
2.00 PM to 3.00 PM

VENUE:
E-CLASSROOM

FACULTY COORDINATORS:
Y VENKAT RAO & B SWATHI

ORGANISED BY:
DEPARTMENT OF COMPUTER SCIENCE
& ENGINEERING

ASSOCIATION WITH:
IEEE



Ch. Jalender
Corporate Trainer and Administrator

@kgrcet

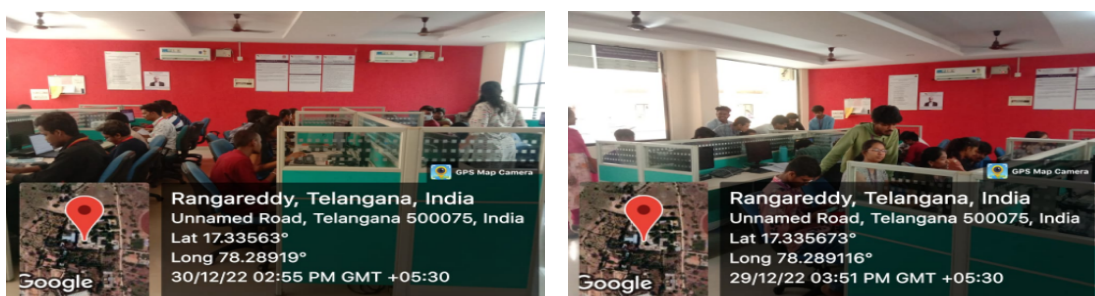


1:14 pm



3. A 36 hours certification program on Python:

A 36 hours certification program on Python on full stack development was organized for the 2nd year students.



4. A Guest Lecture was organized on Digital Computers, Register Transfer Language and Micro Operations for the 2nd year students.

5. Achievements :

1. Dr. Harikrishna B. was a session chair in an International Conference organized by Vasavi Engineering College Hyderabad.
2. Dr. Harikrishna B. was a guest speaker on “ Java Trends to Keep Your Eye On in 2022 ” at Bapatla Engineering College Bapatla, Andhra Pradesh.
3. Dr. Harikrishna Bommala presented a research paper in ICAISC 2022 organized by Methodist College of Engineering and Technology, Hyderabad.
4. Mr. L Raghu Kumar got acceptance for his paper from the Scopus indexed journals.
5. Mr.Y. Venkata Rao got acceptance from the Scopus indexed journals.
6. Mr. Ramakrishna Reddy has given a lecture on fundamental of Data Base management System organized by AIML club at KG Reddy College of Engineering & Technology.

FDP/STTP/ Mooc's /Workshop Done

1. Mr. Y. Venkata Rao has successfully completed one Mooc's Certification from online Udeemy platform.
2. Dr. Harikrishna Bommala has successfully completed two Mooc's Certification from online Udeemy platform.
3. Mrs. M. Manasa, Mr. Y. Venkata Rao, Mr. L Raghu Kumar, and Dr. Harikrishna Bommala have successfully completed 5 days FDP program on Research Methodology organized by CVR Engineering College Hyderabad.
4. Mrs. M. Manasa and Dr. Harikrishna Bommala have successfully completed 5 days FDP program on Societal Applications of Machine Learning organized by Sri Vishnu Engineering Bhimavaram.
5. Mr. Ramakrishna Reddy attend IEEE workshop on SSC 2022 organized by IEEE Hyderabad Chapter at Osmania University.
6. Mr. Ramakrishna Reddy attended an IEEE workshop on Women in Engineering Conclave organized by IEEE Hyderabad Section at KG Reddy College of Engineering & Technology.
7. Mr. Ramakrishna Reddy attend IEEE workshop Life after B.Tech organized by IEEE Hyderabad Section at KG Reddy College of Engineering & Technology.

THE DEPARTMENT OF CSE-AIML:

THE DEPARTMENT OF CSE-AI&ML:

The following activities were conducted for the students:

- A Guest Lecture was organized on “**Computer Organization and Architecture**” for the II B. Tech., students by Dr. Shiva Prasad P V S, Associate Professor, Department of CSE, Anurag University on 17th December 2022.



Dr. Shiva Prasad P V S addressing the audience.

- A Guest Lecture was organized on “**Brand and Bound Techniques – Design Analysis and Algorithms**” for the III B. Tech., students by Dr. Muni Shekar Velpuru, Professor, Department of Information Technology, Vardhaman College of Engineering on 20th December 2022.



Dr. Muni Shekar Velpuru during the session.

Faculty Achievements:

- Dr. Siva Shankar S, has given Guest Lecture on **Intellectual Property Rights** to K.B.N College (Autonomous), Kothapeta, Vijayawada on 31st Dec 2022.
- Dr. K, Maithili has attended a “**Faculty Induction Program-11**” which was conducted by UGC-HRDC-JNTUH from 21.11.2022 to 21.12.2022.
- Ms Sowjanya Ramisetty has attended a ATAL Faculty Development Programme on " **Drone Imaging & AI/ML Tool for Improving Decision Making in Agriculture Applications** " to be conducted from 05-12-2022 to 10-12.2022 (Online) and 12-12-2022 to 16-12-2022(Offline).
- Mr Naveen Raja S M is admitted to Ph.D Programme at Noorul Islam Center for Higher Education on 14th Dec, 2022.
- Mr. Surendhar Soundararajan has completed the Coding Ninjas course on “Creating First Game using Java Script”.
- Mr. Surendhar Soundararajan has participated in the Two Day Faculty Development Program on “**CYBER SECURITY**” on 2nd & 3rd December 2022 at JNTUH.
- Dr. Siva Shankar S published book as co-author titled “**Object Oriented Software Engineering**”, GCS Publishers, India, Dec 2022
- Dr. Siva Shankar S published book as co-author titled “**Data Analytics**”, GCS Publishers, India, Dec 2022.

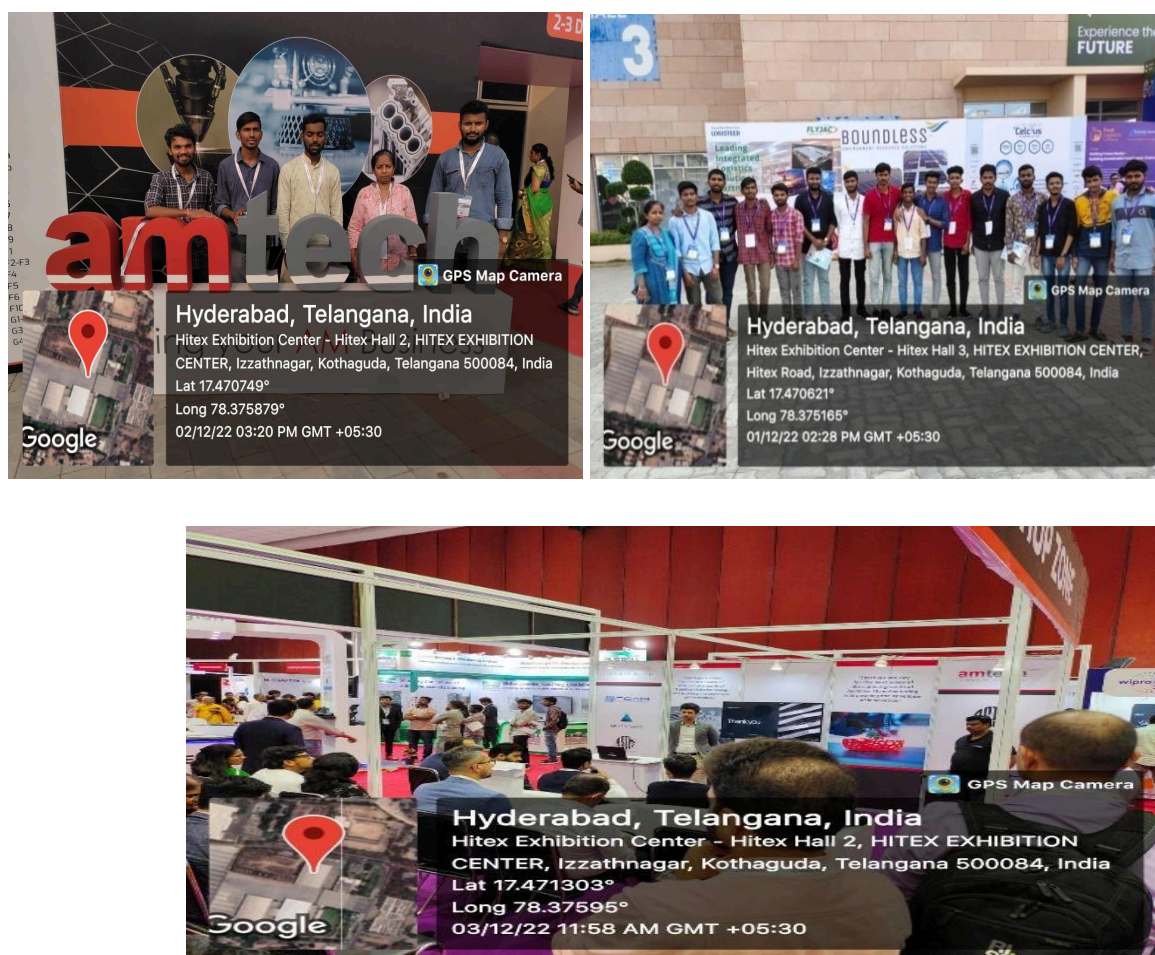
Students Achievements:

- 1) 5 students from II- year have completed the Coding Ninjas course on “Creating First Game using Java Script”.
- 2) Shaik Maaz Uddin from II year and Maulik Thummar from III year have attended a workshop by Coding Ninjas on “Python Hacking Champion”.

- 3) Heerakar Manogna from II year has completed National level quiz on “SRINIVASA RAMANUJAN” organized by Rajeev Gandhi Memorial College of engineering and technology.
- 4) Maulik Thummar from III year has completed the Basics of Machine Learning organized by Great Learning.
- 5) Anu Ramisetty from III year has achieved the best Rotaractor of the Rotaract club of new age Engineers.
- 6) Jayavaram Rakesh from III year successfully completed a 7-days work shop on Business Funnel Analytics & experimentation techniques.
- 7) Maulik Thummar ,G.Yuvraj Singh ,Tanzeem Mallick from III year have actively participated in the Youth Parliament which was held in KG reddy college of Engineering and Technology.

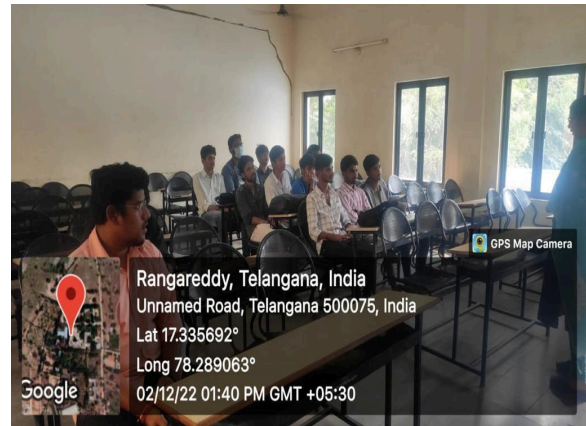
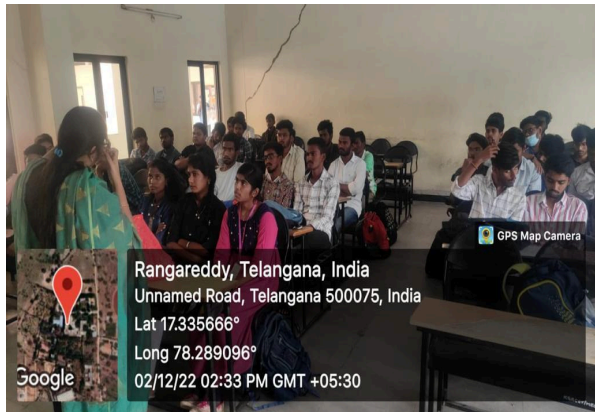
THE DEPARTMENT OF ME:

1. A 3 Day Visit to Smart Cold Chain Project Expo at HITEX from 1st to 3rd December:



2. A Foundation Course in 3D Printing on 2nd December:

A foundation Course in 3D Printing was conducted and the students were interested to know about 3D Printing.



The students during the Course on 3D Printing.

3. IEEE- ROBOTICS & AUTOMATION SOCIETY HYDERABAD SEC CHAPTER

Inaugural : KGR CET IEEE - RAS CHAPTER on 21st December.

Resource persons:

Dr Y.Vijayalata ,Principal, KGR CET

Dr Mukul Shrivastav , Head of Mechanical Department ,KGR CET.



Approval Letter was signed and handed over.



All the participants with resource persons.

4. Achievements:

KUN Hyundai Selections:

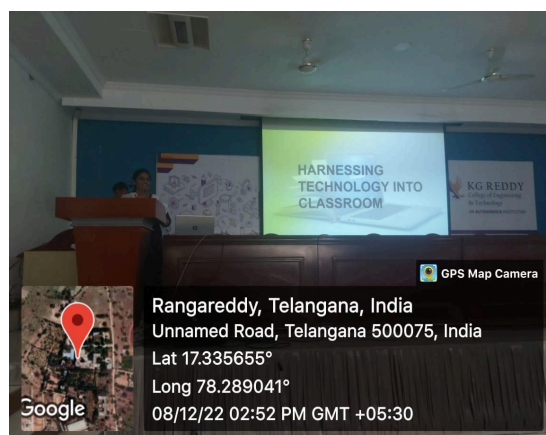
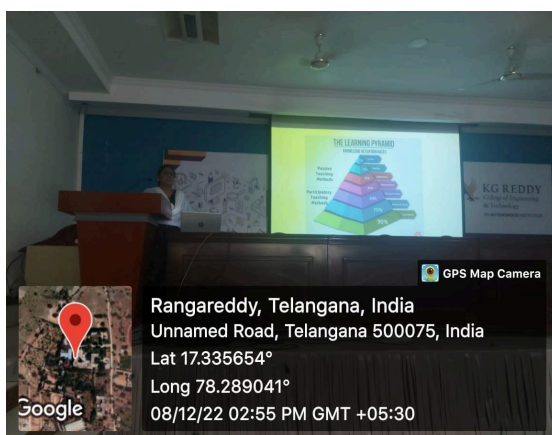
The following students are placed in KUN Hyundai Company:

SL. NO	Roll number	Name	Mobile number	Branch	Company	Position	Package	SL. NO
01	19QM1A0308	Mohammed Gouse Ahmed Khan	9014095607	MECH	KUN Hyundai	Sarvice Advisor	3.2 LPA	16
02	20QMA0306	Kamelekar Sachin Raj	8142616851	MECH	KUN Hyundai	Sarvice Advisor	3.2 LPA	17
03	19QM1A0302	Bhose Manohar	9440012292	MECH	KUN Hyundai	Sarvice Advisor	3.2 LPA	18
04	20QM5A0229	Vadla Laxman	9705580527	EEE	KUN Hyundai	Sarvice Advisor	3.2 LPA	19
05	20QM5A0304	Gannaju Manoj Kumar	9705548529	MECH	KUN Hyundai	Sarvice Advisor	3.2 LPA	20
06	18QM1A0315	Metturu Dinesh Kumar	9989224086	MECH	KUN Hyundai	Sarvice	3.2 LPA	21

						Adviso r		
07	19QM1A030 4	RaghuvamshiCh intakindi	787521101 4	MECH	KUN Hyunda i	Sarvic e Adviso r	3.2 LPA	22
08	20QM5A030 2	Gogikar Dheeraj Kumar	630379637 8	MECH	KUN Hyunda i	Sarvic e Adviso r	3.2 LPA	23
09	20QM5A030 9	KethavathGemy a Naik	897853658 1	MECH	KUN Hyunda i	Sarvic e Adviso r	3.2 LPA	24
10	20QM5A030 7	Kammari Sai Teja	994919475 7	MECH	KUN Hyunda i	Sarvic e Adviso r	3.2 LPA	25
11	20QM5A031 4	Motike Rahul Vardhan	913398867 8	MECH	KUN Hyunda i	Sarvic e Adviso r	3.2 LPA	26
12	20QM5A031 7	Damodar Rao	939230624 5	MECH	KUN Hyunda i	Sales Consul tant	3.2 LPA	27
13	20QM5A031 8	M A Furqan	767496761 7	MECH	KUN Hyunda i	Sarvic e Adviso r	3.2 LPA	28
14	20QM5A031 4	M.Rahul Vardhan	913398867 8	MECH	Quadra nt Resourc e	Data Analys t	5.LPA	57
15	20QM5A030 5	H.Raghevendra	918289063 8	MECH	Quadra nt Resourc e	Data Analys t	5.LPA	71

CENTRE FOR ENGINEERING EDUCATION DEVELOPMENT (CEED):

1. The Center for Engineering Education Development (CEED) organized a one day workshop on " Harnessing Technology into Classroom" on 08th December 2022.
The resource person Ms. Meghana Pandita from SVIT, Hyderabad introduced Plickers and Slido which are a few of ICT Tools to be used in the classroom to convert Passive learning into Active learning. This is an initiative towards Technology Enhanced Learning (TEL).



Workshop in progress.



Participants with the speaker. Dr. Vijayalatha Reddy, Principal felicitating Ms. Meghna Pandita.

2. A Seminar on “ Smart Energy “:

Indo-Universal Collaboration for Engineering Education (IUCEE) The Student Chapter in Association with IEEE Student Branch KGR CET organized a Seminar on "Smart Energy" on 29th December 2022.

Dr. Deepak Waikar, Managing Partner, EduEnergy LLP, Singapore and Ex-Chair for IEEE PES Singapore Chapter and Chair for Education Society Singapore Chapter, Member of IUCEE Advisory Committee, the resource person informed the students on Smart Grid related to Smart India the use of Smart Grid which can convert India into :

- ☐ Net zero Pollution
- ☐ Net zero Waste
- ☐ Net zero Energy

This helps us to keep our surrounding Clean & Green.



Dr. Deepak Waiker interacting with the students.



Session in progress.



**the participants with the guest.
Principal.**

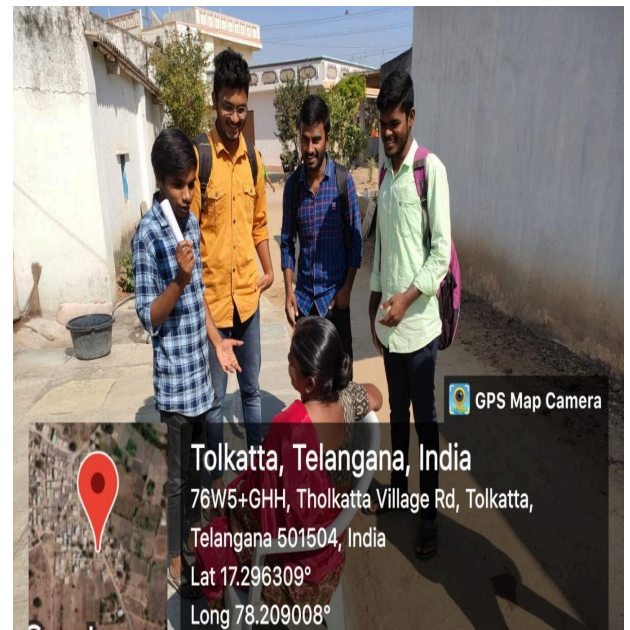


Dr. Deepak Waiker being felicitated by the

All

CENTER FOR INNOVATION AND SOCIAL TRANSFORMATION (CIST):

1. Centre for Innovation and Social Transformation (CIST) organised field visits on 01th Dec 2022. As a part of Social Innovation-1 course. Students visited Appareddyguda, Nakkalpalle, Yethbarpally, Surangal, Chulkur, Sriramnagar to understand the pressing problems of the community and identified criteria, constraints of scoped problems.



Students interacting with Village women. Students interacting with villagers.

2. Centre for Innovation and Social Transformation (CIST) organised field visits on 02th Dec 2022. As a part of Social Innovation-1 course. Students visited Sajjanpally, Tolkatta, Nakkalpalle, Chulkur, Yethbarpally to understand the pressing problems of the community and identified criteria, constraints of scoped problems.



Students interacting with village people. Students interacting with Paddy farmers.

3. Telangana Assistive Technology Exhibition 2022:

From the KG Reddy college of Engineering and Technology total 7 projects uploaded out of which one is selected in the exhibition. The title of selected project is “Tongue control wheel chair” .This total program is coordinated by CIST Head. 6 faculty and 30 students had attended the TSIC.



Students explaining the project in the project expo.



4. Center for Innovation and Social Transformation (CIST) had organised a session Plastic waste management on 16th Dec 2022 for the 1ST year students. For this session Damini Malhotra is a resource person from Recykal Foundaion. B.Lingam and D.Harika are the coordinators for the session.






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SESSION ON PLASTIC WASTE MANAGEMENT

16th December, 2022
2:30 PM - 4:00 PM

QR code for session: **Offline session (Seminar Hall)**

Registration



Feedback





Damini Malhotra
Program Coordinator,
Recykal Foundation

In association with :
RECYKAL FOUNDATION

Organized by :
**CENTRE FOR INNOVATION AND
SOCIAL TRANSFORMATION (CIST), KGR CET**

 @kgrcet

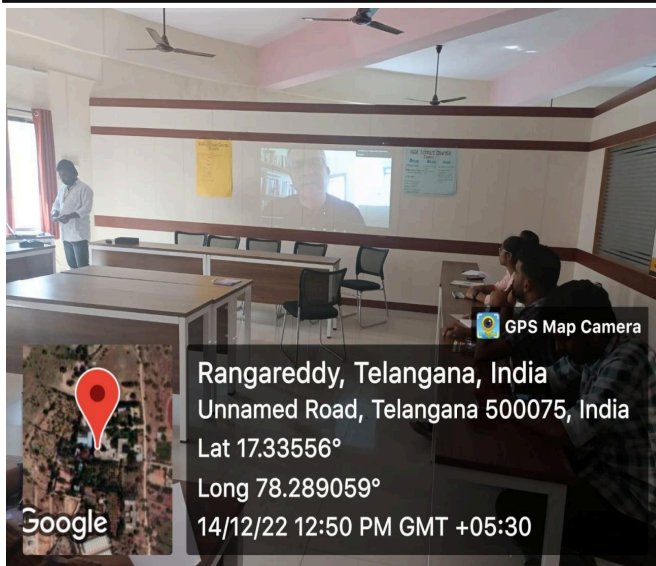


Resource person Damini Malhotra interacted with students



Resource person Ms. Damini malhotra delivering the speech.

5. From CIST 19 students and 2 faculty members are participated in IEEE Smart Cities Futures Summit 2022. In this session Mr. Alon Tal discussed about major issues related to the carbon footprints and major sources for the cause and industry responsible for the issue.



Students attending the session in CIST training room.

6. EDU Summit on Inspiring Innovation for Transforming Planet & People's Lives which is held on 16th dec 2022 at JNTU kukatpally, Hyd. One of the panel members is our director Dr. Rohit sir and KG Reddy college of Engineering and Technology is also one of the corporate sponsor.



Students attended for EDU Summit at JNTU.



Panel discussion at EDU summit.



The Faculty members group who attended for EDU Summit.

THE DEPARTMENT OF STUDENT AFFAIRS:

1. Cultural Program on 1st December:

A Cultural program was conducted to inculcate Holistic Development among the students.

All the students were motivated to join the cultural clubs to participate in the cultural activities and perform in the upcoming cultural events.

The event started at 2:00 pm by the Cultural Club members who hosted the event. The event included music, dance, dramatics and singing. The participants performed in their interested cultural activities and showcased their talent. The program ended at 4:00 pm.





2. A Movie ‘ CHEPPALANIUNDI ‘ Trailer Launch on 2nd December:

A new Movie **Cheppalaniundi**'s trailer was launched in the campus to promote the movie and



encourage the values mentioned in the movie. The students attended the session, enjoyed it and everyone were excited to watch the movie Cheppalaniundi was scheduled to be released on 9th December.

The promo launch of the movie Cheppalaniundi started at 2:00 pm in the open Amphitheatre. Event started by introducing the cast of the movie to the students by the host. Then few songs from the movie were played and students enjoyed it. Yash Puri, the lead actor of the movie interacted with the students and shared his experiences related to the movie. Finally the trailer of the movie was launched by Dr. Y. Vijayalata, Principal.

Release of the Trailer of the Movie Cheppalaniundi.

3. IKARUS on 22nd & 23rd December:

A State Level Technical Fest was organized to share knowledge among Inter-College Students Community. The Students got an opportunity to participate in a state level technical fest and gain knowledge in various emerging technologies.

On Day-1 the Chief Guest was Dr. Hafeez Basha (CEO OU-TBI) and the Guest of Honour was Ms. Ruthvika (Member of youngistan)

On Day-2 the Chief Guest was Dr. P. Raj Reddy, Prof. HoD, CBIT and the Guests of Honour were 1. Mr. VinaySulgam - TL at Accenture Solutions. and 2. Mr. Surya Kiran – Actor & Alumnus – KGR CET.

The Convenors of IKARUS 2022 Mr. Harshit Tej and Mr. Rajesh along with the Dr. Rohit Kandakatla, Director, Dr. Y. Vijayalata, Principal, Dr. Hafeez Basha, Chief Guest and the Guest of Honor Ms. Ruthvika initiated the inaugural session. Harshit & Rajesh gave information and details about the State

Level
then
addressed.

about the

current
Guest
the
available
generation

technologies and the Guest of Honor gave the inputs about connecting the world with advanced technologies.



Technical Fest.
Principal ma'am
Director sir
enlightened
emerging
technologies in
times. The Chief
mentioned about
opportunities
to the current
in the emerging

More than 50 colleges and university students participated. Later the two days session was executed according to the schedule. Validatory ceremony started on the second day at 2:00 pm with the Chief Guest Dr. Raji Reddy and the Guests of Honor Mr. Surya Kiran and Mr. Vinay Sulgam graced the event and motivated the participants by their speeches. All the winners were awarded with cash prizes and certificates. The closing ceremony of the 2-Day Technical fest was concluded by the performance of the band NITHI and Flash Mob by organizing the committee of IKARUS.

Day-1





The

Valedictory Ceremony.

4. Christmas Celebrations on 22nd December:



to

all

integrity among the students. The students got to know about the importance and significance of celebrating Christmas eve.

Christmas celebrations were held to inculcate cultural awareness, to build secular ideology and develop the importance of festivals for

The Celebrations started by Mrs. Udaya Sri Kakarla, Hod-DSA by addressing the gathering at 2:00 pm. Then the importance and objective of Christmas eve was explained to the students. Later a band was organized which performed different songs related to Christmas and Jesus Christ which motivated the students. After that Santaclaus (one of the student in disguise) interacted with the students and distributed chocolates and gifts to everyone. Finally the event ended by cutting the Christmas cake.



5. Student Council Members: 2022-23: Installation Ceremony of Student Council Members for the AY: 2022-

2023 was on 22-12-2022. Dr. Rohit Kandakatla, Director; Dr. Vijayalata, Principal officially announced the Student Council members issued Appointment letters and Badges. Oath taking ceremony followed. The Council members promised to be loyal, ethical and bound to their duties.



Dr. Vijayalatha, Principal and the Student Council members 2022-23 – Oath Taking Ceremony.

S.no	Designation	Student Name
1.	President	Bunari Sharath Chandra
2.	Vice-President	Bolloju Yathindra E.Sai Priya (MBA)
3.	General Secretary	
4.	Social Impact	K.Praveen Vardhan Raju
5.	Cultural Secretary	Yella Nookarju D.Gaffar Ahmed
6.	Technical Secretary	Adasada Rajesh D.Harshith tej
7.	Sports Secretary	B.Rama Krishna G.Poorna Chandra Laxman R.Nikitha Reddy (MBA)
8.	Editorial of DSA	K.Pramod Reddy K.Jagadeeshwar Reddy
9.	Editorial of Council Team	K.Ramesh (CSE) Ch.Roshini (ECE) M.Rajashekar (Mech) Pranathi (MBA)
10.	Photography Secretary	J.Shashank

SCI

Dr. Meher
“Chemical
(H₂O₂ and
activated
like

reaction using sol-gel derived g-C₃N₄/ZnCo₂O₄ nanocomposite”, Diamond and Related Materials, 130, 10.1016/j.diamond.2022.109413

Dr. Bhasker, "Structural Morphology and Optical Properties of Strontium-Doped Cobalt Aluminate Nanoparticles Synthesized by the Combustion Method" in Materials, 15(22),8180

Dr. Meher Abhinav, “Investigations on the structural, electrical, magnetic and Fe Mossbauer studies of YFeO₃”, Ceramic International, Elsevier, 10.1016/j.ceramint.2022.10.213.

Publications:

Abhinav,
oxidants
persulfate)
photo-Fenton
degradation

Scopus Publications:

Dr. Rohit K, “Penetration for Cooperative Learning in Engineering Education: A Systematic Literature Review”, IEEE Global Engineering Education Conference, EDUCON, 10.1109/EDUCON52537.2022.9766551

Dr. L V Reddy, "Bio-Inspired Firefly Algorithm for Polygonal Approximation on Various Shapes" in Smart Innovation, Systems and Technologies, 315, pp. 95-107, 10.1007/978-981-19-4162-7_1

Ms. Mounika, “Experimental investigation on the sulphuric acid resistance concrete using mineral Admixtures”, AIP Conference Proceedings, 10.1063/5.0114499

Ms. Mounika, “Digital Image Processing for Idle Time Analysis of Construction Equipment”, AIP Conference Proceedings, 10.1063/5.0116606

Dr. Mukul Shrivastava, “Thermo structural analysis of Piston in compression Ignition Engine”, AIP Conference Proceedings, 10.1063/5.0114751

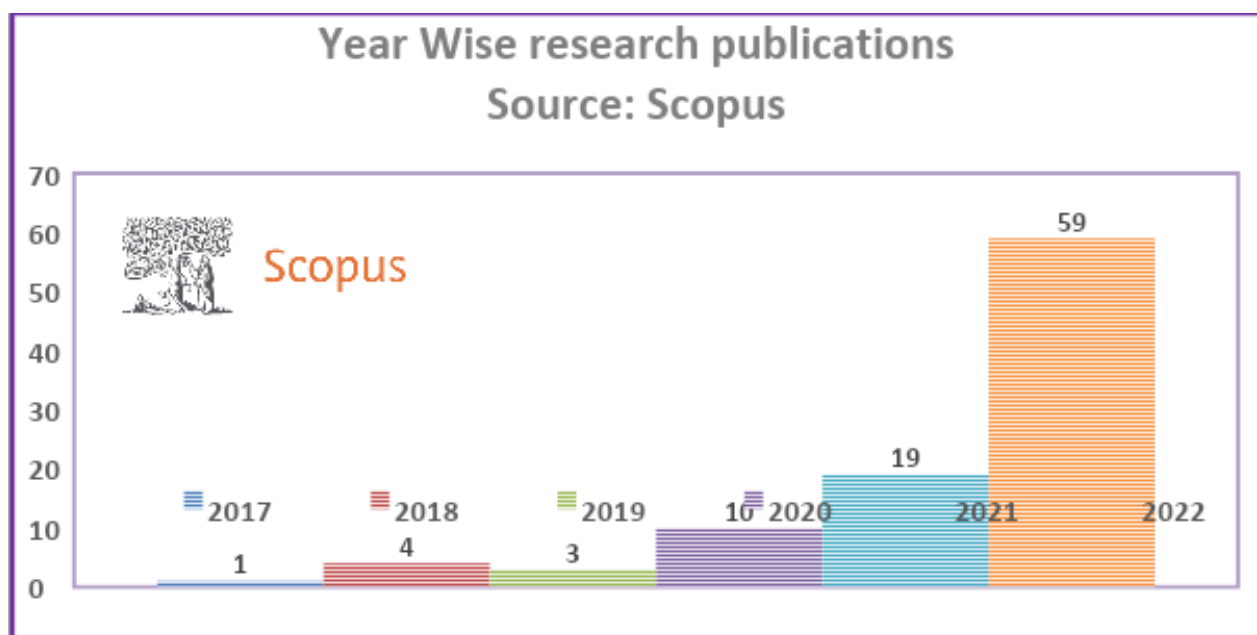
Dr. Mukul Shrivastava, “Different Wake structure behind a flapping Airfoil and its influences on propulsion performance”, AIP Conference Proceedings, 10.1063/5.0117407

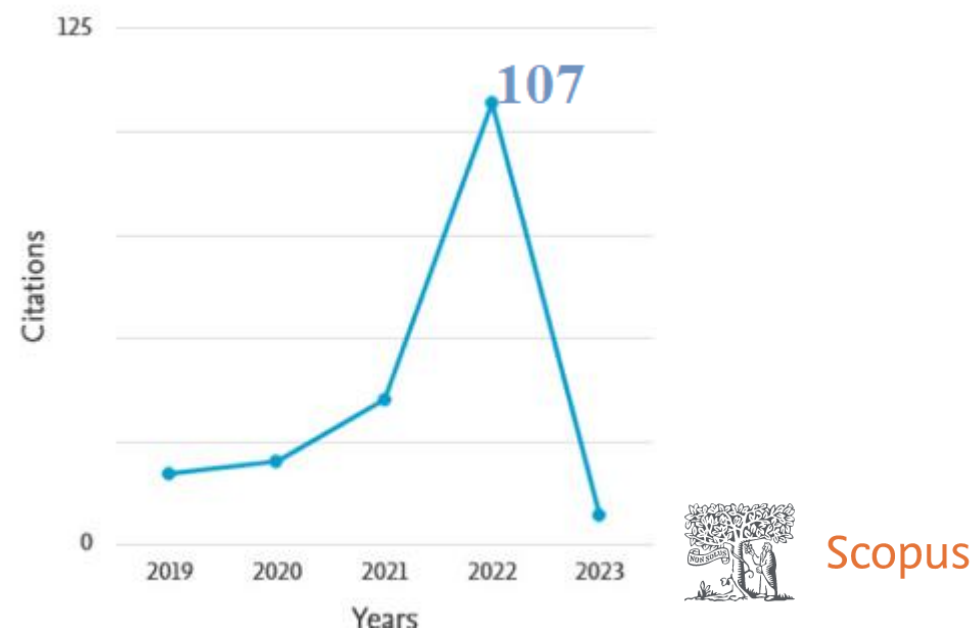
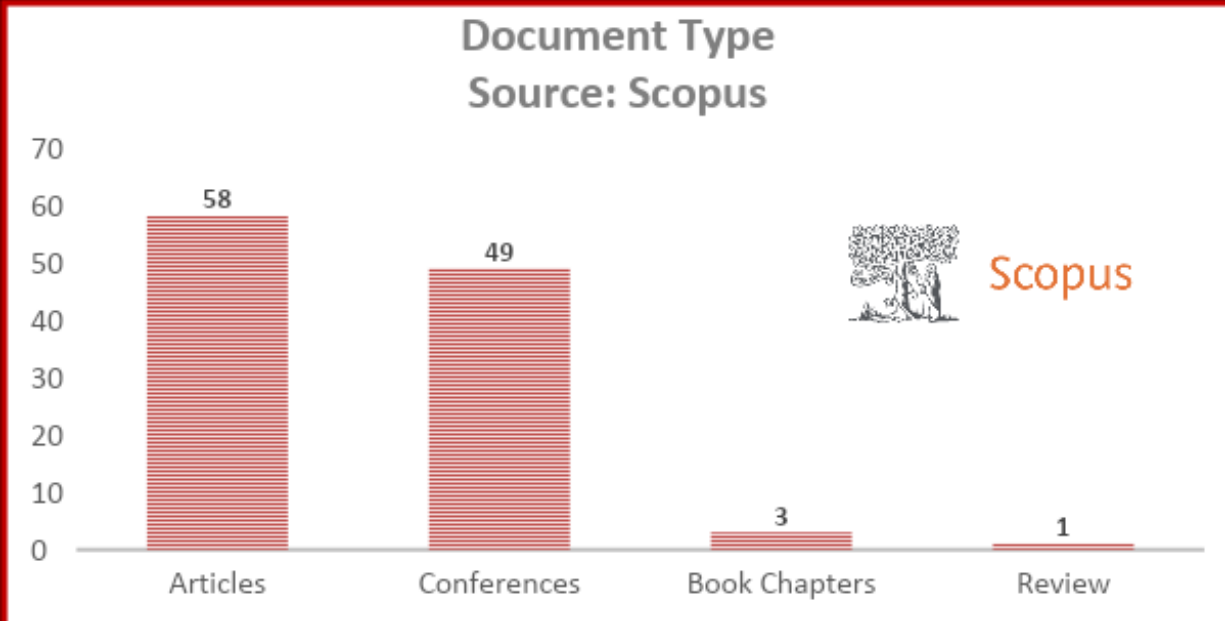
Mr. Thangamani, “Experimental study on partial replacement of cement with using Marble powder and coarse aggregate with demolished waste”, AIP Conference Proceedings, 10.1063/5.0114525

Mr. Jaswanth, “A Review on Bio diesel Production Technologies”, AIP Conference Proceedings, 10.1063/5.0115099

Dr. Narasaiah M. N, “Medical Image Fusion by using Different Wavelet Transforms”, Lecture Notes in Electrical Engineering, 10.1007/978-981-19-5550-1_33.

Overall Summary Research Papers:

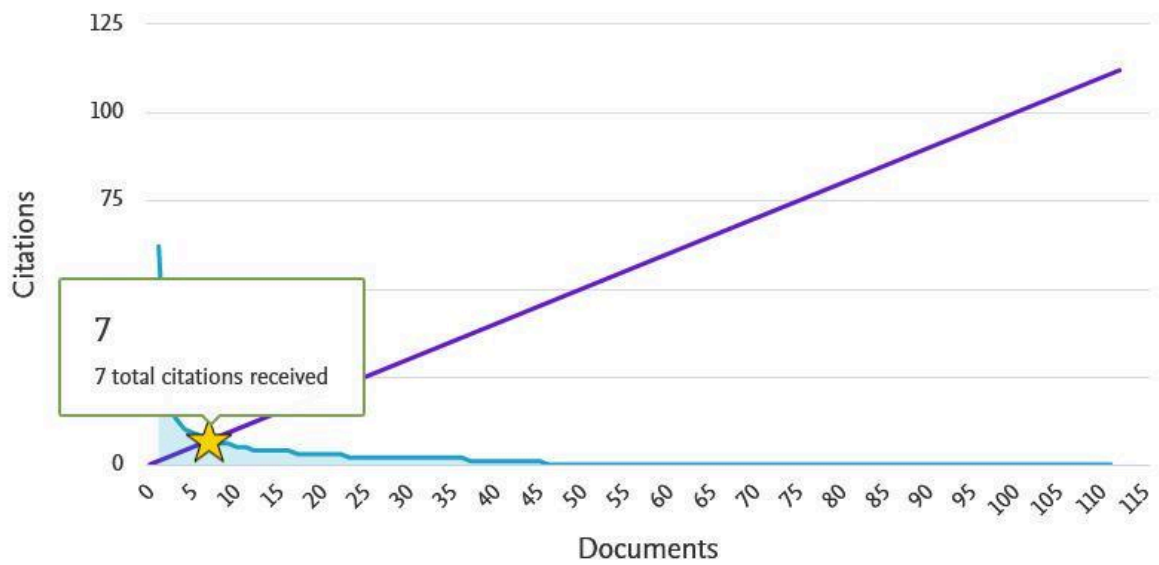




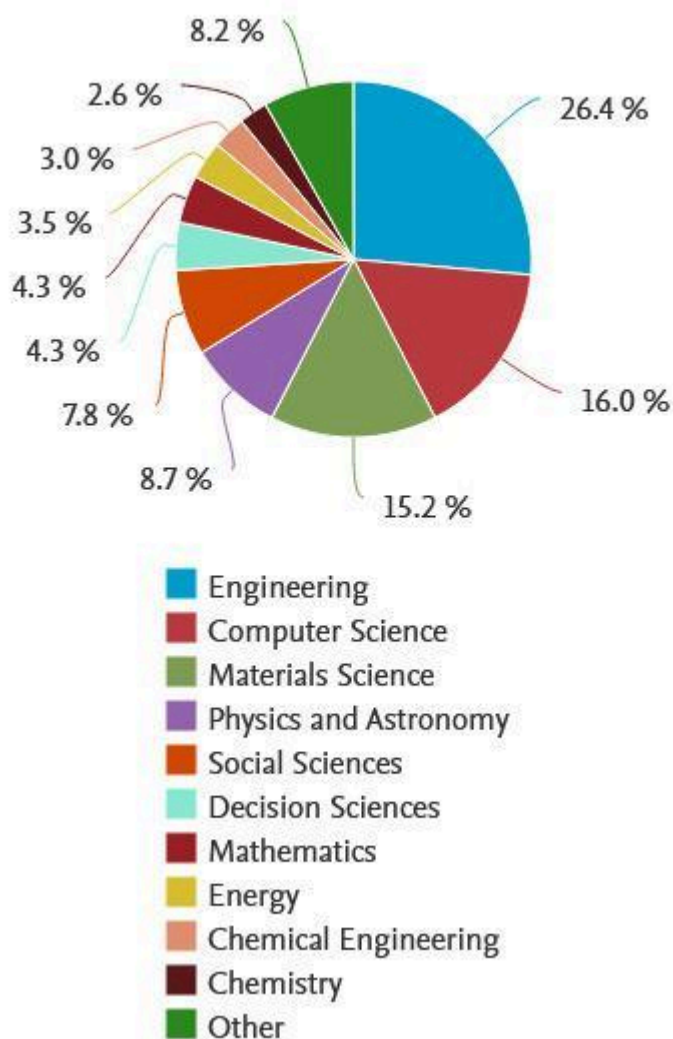
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Of the documents considered for the h -index, 7 have been cited at least 7 times



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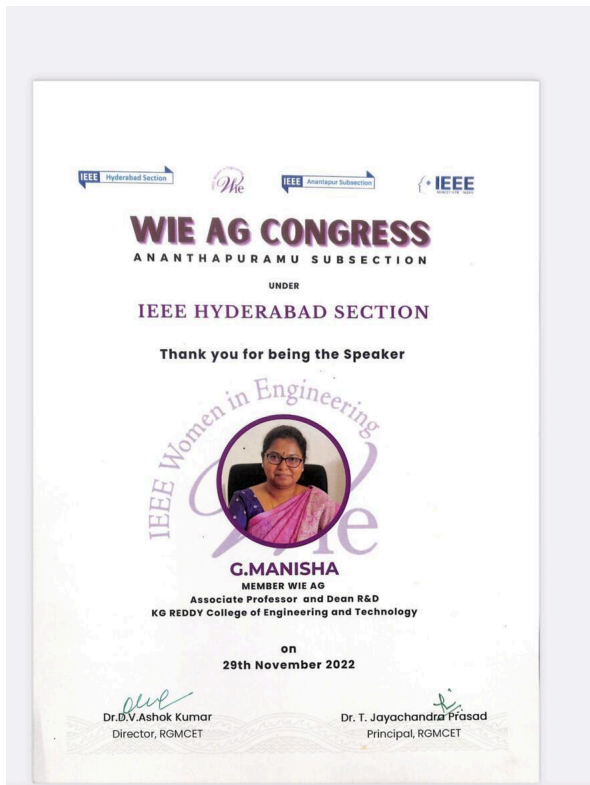
Design of Embedded Radiation Hardened Cache Memory Cell, 202141025985, Published and filed for examination report, date of filing: 10-06-2021, IPO

AlGaIn/GaN based HEMT for RF and Low Noise Application, 202141025986, Published and filed for examination report, date of filing: 10-06-2021, IPO

13.9 Tera Hertz Resonant Tunneling Diode Based Oscillator, 202241068436, Published, date of filing: 28-11-2022, IPO

Technical Talks

Dr. Manisha G delivered a talk on “Significance of Research for Students” in RGM College of Engineering and Technology, Nandyal, Andhra Pradesh in IEEE WiE AG Congress



TRAINING & PLACEMENT CELL:

1. Wiley edge campus recruitment drives conducted on 16-12-2022 with packages - 11.LPA.

KG REDDY
College of Engineering
& Technology
AN AUTONOMOUS INSTITUTION

TRAINING & PLACEMENT CELL
ON CAMPUS RECRUITMENT DRIVE

WILEY | EDGE

Eligibility: CSE, ECE, EEE.
Package: 11 LPA
Drive Date: 16th December, 2022



2. A session on Insights on Overseas Education was organized. It was informative, the students came to know about higher studies, International platform to improve communication skills and leadership skills. It was in collaboration with Namaste Telangana and Telangana Today. Industry expert Mr. Faizul Hassan, Asst Vice President Y- Axis Solution enlightend them on the topic.
3. Learning routes recruitment drive, conducted on 21-12-2022 BDM role. Package is 5.7LPA to 6.6LPA.
4. Quadrant resource internship cum placement drive conducted on 30-12-2022 Package is 3LPA to 5LPA.
5. Palle technologies recruitment drive, conducted on 31-12-2022, Package 4 to 8LPA

THE DEPARTMENT OF HR:

KGR Socials – Conducted on 6th December:

To create stress-free environment for the teaching & non-teaching staff of the institution, to unwind by attending KGR Socials. As a part of that KGR Socials celebrate Birthdays of the staff in that particular month.

Introducing the newly joined staff, get recognized & appreciated for their hard work done during the previous month with Monthly Spotlight Awards and it also conducts the Teambuilding Activities, fun games etc.

The staff is appreciated and is recognized for their hard work and get motivated for better performance, having refreshment together builds bonding among the staff.

Monthly spotlight Awards for the month of November which are awarded on 06.12.2022

Staff Name	Department	Award Category	Justification
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Dr. Surya Narayana Reddy	Admissions & Brand Building	Leading from the Front and Going out of the Way	Dr. Surya has shown exemplary leadership during the planning and execution of admission process for 2022 - 2023 academic year. He coordinated with various digital and media platforms for ranking and recognitions of KGR, signed MoUs with various educational platforms for lead generation and ensured 100% admissions in CSE, CSE - AI/ML, CSE- Data Science, ECE, and MBA departments. He also lead lateral entry admissions and achieved the target of 90% admissions in Mechanical and Civil engineering. All these efforts highlight his leadership capabilities and commitment to the job and he sets a example for the all of us on lead from the front.
Mr. Ravi kiran	Admin	Going our of the way	Mr. Ravi Kiran supported the Dr. Surya in all admission related work for the 2022 - 2023 academic year. He worked on almost all Sundays and public holidays for over 4 months to ensure no disruptions in the admission process. He stayed committed to his tasks and went out of the way to ensure achieving the targets and goals set by the management.
Mr. JagadishHaranatti	CE	Going out of the Way	Mr. JagadishHaranatti had worked hard to keep a track on internship and made all students successfully complete the internship, and submitted two MSME ideas from Civil Department and also Mr. Jagadish actively involved in IIC Activities.
Mr.Surendher	CSM	Going out of the Way	He is playing an active role in the department as an academic coordinator as well as finishing assigned works on time.
Mr. L Raghu Kumar	CSE	Going out of the way	playing active role in academcis for the smooth functioning of the department.
Mr. Venkat		Going out of the Way	for completing course work of PhD
Ms. T Sandhya		Going out of the Way	for completing course work of PhD
Dr. PavanChakravarthu	T&P	Going out of the Way	Dr. PavanChakraborty has gone out of his way to conduct an Elocution

			competition for the staff through the Public speaking club to motivate the faculties and staff.
Dr. T. S. Ramesh Babu	CE	Going out of the Way	publishing two patents
A saichander	ECE	Going out of the Way	as he conducted Seminars -2, industrial visit-1, Awareness on higher education -1, Placements training -1
Dr. Seshadri	H&S	Star Researcher	Dr. Seshadri has published a paper in "Nature" with Impact factor 4.996.
Dr. Mangesan	H&S	Star Researcher	Dr. Mangesan For Publishing SCI Paper with 3.63 IF
Dr. Bhaskar	H&S	Star Researcher	Dr. P. Bhaskar has published an excellent paper in one of the reputed journals having impact factor 3.7.
Dr. Maithili	CSM	Star Researcher	Dr. Maithili for SCI Publication and Dr. Maithili as resource person (Innovation Ambasdor) delivered three IIC Talks
Dr. Madhulitha	H&S	Star Researcher	Dr. Madhulitha for SCI Publication in 6.57 Impact Factor Journal and Dr. Maithili as resource person (Innovation Ambasdor) delivered three IIC Talks
Dr-Sivashankar	CSM	Star Researcher	He has Published one paper in Scopus Indexed Journal in the month of October,2022
Mr. Suresh	ME	Star Researcher	Mr. Suresh for publishing 2 patents and establishing a start up with students
Mr. Vijay Kumar	CE	Leading from the front	Mr. Vijay Kumar has worked hard for the admissions of Civil students. Any work taken by him may be mentoring or fortnight attendance, he always tries to complete it in time in a very systematic and proper way. He has also coordinated efficiently a webinar for 3rd year and 4th year students.
Mr.Naveen Raja S M	CSM	Leading from the front	He is finishing assigned works on time and taking the initiation of any new works assigned to him.
MrAnand	Admissions Cell	Leading from the front	Because he is always doing his job without giving any reminders
Mrs. K. Kalpana	ME	KGR Change Maker	Mrs. K. Kalpana is the NAAC Criteria 3 coordinator and the Mechanical department IQAC coordinator. She

			coordinates and does her job systematically and satisfactorily.
Mr. VenkataSai Prasad	CE	Student First Champion	Mr. VenkataSai Prasad always takes up the concerns or difficulties faced by the students along with proper communication and tries to find out a solution for them also. His involvement in all activities of department is really appreciable, he is the only faculty in my department though involved in many of the activities never say “No” to any work and always supported in completing the work.

Introduction of Newly joined faculty members :

1. Dr. ShyamSundar
2. Mrs. Kavitha
3. Mrs. D Harika (Rejoined).

Birthday greetings to:

Mrs. D Harika – CE
Mr. Saichander – ECE
Mr. Ramesh – CSE
Mr. Mahesh – Exam Branch

KGR SOCIALS GALLERY







COLLEGE PIC

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