KG REDDY College of Engineering & Technology

AN **AUTONOMOUS** INSTITUTION

NEWSLETTER

VOLUME 01 • OCTOBER - 2022

ENGINEERING INDIA'S CHANGEMAKERS

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THE DEPARTMENT OF CSE - AI & ML

STUDENT ACHIEVEMENTS

- A team of students from III year Maulik thummar, Harsha vardhan,Yuvraj Singh and Arshiya Begum developed a software to generate certificates and a newsletters automatically under the guidance of Mr. K.Rama Krishna Reddy, Asst. Prof. CSE department.
- 12 students participated in Project Expo at KGRCET.
- 32 students participated in a Guest lecture on Blockchain at KGRCET.
- 45 students participated in ONE DAY WORKSHOP ON DEVOPS at KGRCET.

Student Team (Software) with the Mentors.

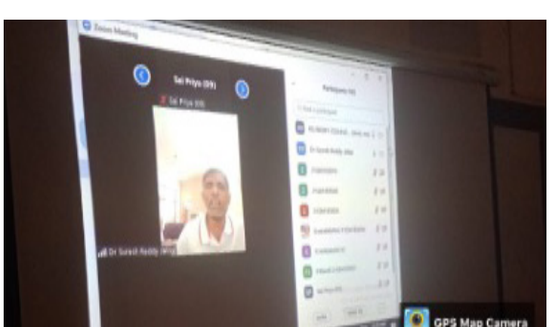
- 11 students participated in YOUTH PARLIAMENT at KGRCET.
- 62 Students participated in Technical Workshop on "How to Create Barcode using Python " which was organized by AI Cub,Department of AI &ML in association with EducateNXT,Hyderabad.

FACULTY ACHIEVEMENTS

- **Dr. S. Siva Shankar,** Associate Professorhas Published "A detailed study on Applications of IOT in Higher Education System" in the Journal of Neuro Quantology.
- **Dr. K.Maithili,** Associate Professor has Published a paper on "Epilepsy seizure Feature Extraction using Discrete Wavelet Transform for Healthcare Application" in the Journal of Neuro Quantology.
- **Dr.K.Maithili,** Associate Professor has published a paper on " Stage-Wise Categorization and Prediction of Diabetic Retinopathy Using Ensemble Learning and 2D-CNN" in the Journal of Intelligent Automation & Soft Computing.

THE DEPARTMENT OF MBA

The department of MBA, KG Reddy College of Engineering and Technology, Hyderabad, organized a guest lecture on 31st October 2022 on "Orientation for choosing a Specialization" for II year I Semester students to choose and select among the available specializations. The idea of this orientation session is to make the students aware about the various specializations and the career prospects available to them in the field of Finance, Marketing, Human Resource and Entrepreneurship.



Dr. Suresh Reddy
interacting with the students in the session.

THE DEPARTMENT OF CE

1. EXPERT TALK ON

Overview of Estimation Costing & Project Management

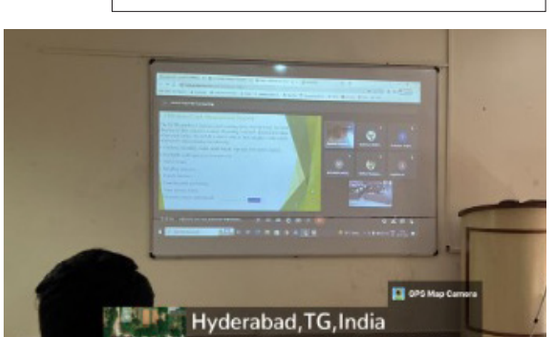
Department of Civil Engineering has organized a guest lecture on the topic **"Overview of Estimation Costing & Project Management"** on 11thOctober 2022 to our final year students of the Department of Civil Engineering, KGRCET. The eminent expert Prof. K Anand Babu, Assistant Professor in the Department of Civil Engineering at BhilaiInstitute of Technology, Raipur, CG had been invited to deliver the lecture.

2. WEBINAR

Evaluation of Performance for pavement roughness on highway through NSV

On 29th October 2022, Er. Kaushik Majumdar, (Resident Engineer), L N Malviya Infra Projects Pvt. Ltd. delivered an industry expert talk.

The During the talk he explained the current trend of operation and maintenance of NSV in highway construction as per the IRC: 82-2015 & IRC: SP-16-2019 guidelines. He also explained the performance evaluation of NSV for every 100 m and 500 m of chainage distance. Being a part of NHAI (National Highway Authority of India) project of NH-21 (Biaora to Dewas, of NH-3 in the state ofMadhya Pradesh under NHDP Phase-IV in BOT (Toll) basis on DBFOT pattern.) Er. Kaushik Majumdar also discussed his work experience with NSV performance. Students learned the modern technique of highway construction technique.



Webinar in progress

3. ORIENTATION PROGRAM FOR IIND YEAR STUDENTS

The main objective of this program was to give them a glimpse of the various activities (academics, co-curricular and holistic student development) carried out by the department.All the students assembled in the T-414 Classroom. The program was hosted by Mr. Rathna Chary, Assistant Professor followed by a speech by Dr. Soumya Singha HOD, Civil where she briefed them about the highlights of the department to the students.

Orientation Program for the 2nd year students

THE DEPARTMENT OF ECE

ALUMNI MEET

1. **An Alumni interactive session was conducted for III ECE students on 17-10-2022.**

   Dr. Chandra Prakash, Asst. Prof. introduced the students to the Alumni G Sai Vamsi Reddy.

   He discussed about the ways by which we can ace the interviews and the competition in the corporate world. He also explained that the Communication Skills are the key to everything. He shared his valuable suggestions and shared his experiences during his college years.

Mr. G. Sai Vamsi Reddy interacting with the students of III ECE.

2. **A Talk on "Industry Requirements in VLSI Domain" on 22nd Oct.**

   Mr. Srikanth the resource person presented the talk by explaining the concept of CMOS, it's introduction and importance in current design of VLSI industry.

   Diode and Transistor are considered as the backbone of electronic devices and Circuit. But the similarities between these crucial devices of electronics realm end here. The main difference between diode and transistor is that a diode is a two terminal device which allows current in one direction only from the anode to the cathode.

Mr. Srikanth in his session

3. **Mr. Sandeep one more alumnus shared his experiences to the students. He said that he is grateful to teaching and non-teaching staff of the college for the their overall development.**

   Mr. Vikram shared his ideas and was grateful to the teaching and non-teaching staff of the college. He has given his own example as he is working as an engineer and has joined in the role of a Tech Lead in an organization of his dreams.

   Today I am addressing you all, tomorrow it will be your turn. Do not give-up and keep pursuing your goals. In today's high-tech world, where Artificial Intelligence (AI) and Internet of Things (IoT) have controlled our lives in every possible way, there is a need for tech leads and professionals who are leaders in every sense to make use of the opportunity to the fullest.

Mr. Sandeep with the students

Mr. Vikram interacting with the students

THE DEPARTMENT OF CSD

1. **One Day workshop on "DEVOPS".**

   The eminent experts from various industries Mrs.Sunkara Bhargavi, Head, Asset Servicing Technology, BNY Mellon Technology, India, Mr. Diptaroop Mukherjee, Sr. Software Development Engineer from Amazon, Ms. Bhavani Indukuri, Sr. Devops Engineeer, Zscaler, Mr. Raghu Reddy, Sr. cloud and Devops Engineer, Zscaler had been invited to deliver the lecture.

   Mrs.Bhargavi Sunkara had given an overview of the Devops, Web page creation using Python to the students.

   Mr. Diptaroop Mukherjee had given detail explanation on Devops Maturity models and

   SOA (Service Oriented Architecture) with example scenarios.

   Ms. Bhavani Indukuri had given detail explanation on Web application Security, Devops Integration and Automation, Traces in Devops.

   Mr. Raghu Reddy had given detail explanation on Traditional Cloud Development Environment Setup, CI/CD (Cloud Integration and Cloud Development) importance in Devops environment, working with the environment with sample real time scenarios.

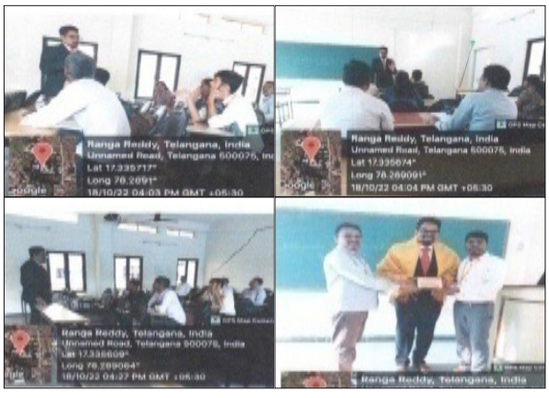
THE DEPARTMENT OF ME

1. **A Guest Lecture on ' Application of Thermal Concepts in Current Industries ':**

   Mr Ganga Sagar, Asst. Sale Manager from ZIEHL ABEGG INDIA was the speaker. He is our alumnus from the batch of 2011-15.

2. **A new Faculty Dr. Abeyram M Nithin joined the department..**

   His area of specialisation is manufacturing processes and their simulations. he have worked in the friction welding process, powder compaction, extrusion of preforms.Awarded the best project in PG category for project titled **"Friction Taper Plug Welding Technology for Repairing Operation"** held at Adhiyamaan College, Hosur



CENTRE FOR RESEARCH & INNOVATION DEVELOPMENT – CRID

1. Centre for Research Innovation and Development is happy to announce that KG Reddy College of Engineering and Technology is recognised as Scientific and Industrial Research Organizations (SIRO) under DSIR upto 31.03.2025.

2. **We Congratulate :**
   - Dr. Mangesan from H&S for his research paper publication in SCI journal with 3.63 impact factor!
     Title : Photodynamic and antibacterial studies of template assisted Fe2O3-TiO2 nanocomposites
     Journal Name : Photodiagnosis and Photodynamic therapy)
   - Dr. Meher Abhinav for his research paper in 3.8 impact factor journal! Even though he left our institution, his contribution towards research in KGRCET is very much appreciated.
   - Hearty congratulations to Ms. Tuti Sandhya and Mr. Venkat for clearing PhD course work.
   - Dr. Maithili Ilansezhiyan for her SCI publication!
     Title : Stage wise Categorization and Prediction of Diabetic Retinopathy using Ensemble Learning and 2D-CNN)
     Journal Name : Intelligent Automation & Soft Computing) Impact factor : 3.41.
   - Madhulita Sundaray from H&S department for her paper publication
     Title: An ultra-sensitive optical sensor based on agarose coated microscopic sphere to detect Cu2+ ion in soil) in Computers and Electronics in Agriculture Journal (impact factor- 6.57).
   - Students from CSE and ME are inventors in these Patents! Congratulations to Mr. Vivek and Mr. Manoj for their patent publication!
   - Dr. Meher Abhinav for his paper publication in SCI Journal with 5.53 Impact factor
     Title: Investigations on the structural, electrical, magnetic and Fe Mossbauer studies of YFeO3.)
     Journal Name : Ceramic International (Elsevier)

THE DEPARTMENT OF STUDENT AFFAIRS – DSA

1. **During Dasara - Sarasvati Pooja was conducted on: 1-10-2022.** It is believed that goddess Saraswati endows human beings with the powers of speech, wisdom, and learning. She has four hands representing four aspects of human personality in learning: mind, intellect, alertness, and ego.

2. G.Ram Narasimha Reddy (Events Manager ICFAI Business School(IBS) was the Speaker for the Topic : 'Positive Thinking'. The students got encouraged to people to discover and nurture their character strengths, rather than channeling their efforts into correcting shortcomings.

3. **A Program was conducted on 'Palle srujana ' on: 27-10-2022.**

Coding ForAll is a non-profit leading the digital inclusion movement in India by teaching coding in regional Indian languages to students who do not have access to a computer. Its flagship program in government & affordable private schools to teach coding to secondary students and also equip them with other ancillary skills required for career readiness. Each of our students is part of our 'class to career pipeline' and our intervention with our students is for 8 years starting in secondary school, continuing through college, and supporting them till they land their first dream job.

Mr. Omkar addressing on The importance of education to the children in schools of Telangana".

4. **One day workshop on Rural ntrepreneurship -Sustainability and Rural Engagement was conducted on 13 -10- 2022.**

Dr. Naveen Kumar interacted on ' The Entrepreneurship And Rural Management '.

This is a part of MGNCRE activities.

5. **A Program on ' MGNCRE ENTREPRENUERSHIP POSTER LAUNCH' on 18th Oct. 2022 :**

Formation of Student Self Help Groups by students of KG Reddy College of Engineering and Technology Higher Education Institutions is an important step to develop skills for entrepreneurship and work," said Ms. Pramila Rani, District Administrative Officer, launching a poster.

Small steps towards entrepreneurship can drive economic growth and development.

6. **A Global Race Cancer Run 2022 was conducted on 9-10-2022. This run was planned to encourage fitness, in trying times to promote social well being.**

Leadership team from Lions Club- Capital, Hyderabad, Teaching Staff and Students of KGRCET and Aristortle P College participated in the run in order to bring awareness on Cancer.

7. **11th Graduation Day Ceremony was conducted on 16-10-2022.**

Dr. Rohit, Director addressing the gathering

Dr N V Ramana Rao Garu was the Chief Guest and Ms. Aparna .S. Gunjikar was the Guest of honour. Students who have graduated were given a chance to share their experience with everyone and then a photo session was conducted in which all the students and dignitaries actively participated.The event was concluded with the vote of thanks by Hod-DSA.

8. **Orientation program for lateral entry students for all the branches was conducted on 28-10-2022.**

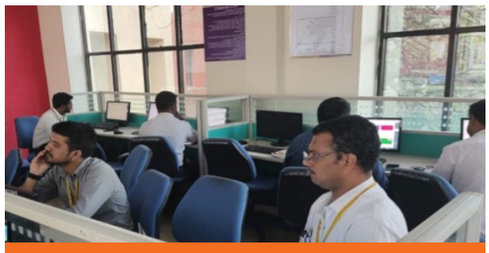
   The Vision, Mission of the institution & all the departments were explained to sensitize the students about the environment where they are going to stay for 3 years more.

   All the Faculty members were introduced

The Faculty members being introduced

CENTRE FOR ENGINEERING EDUCATION & DEVELOPMENT (CEED)

1. Center for Engineering Education Development – CEED, KGRCET has organized ' A One Day Workshop on Blended Learning Using CANVAS ' on 11th October 2022. Dr Madulita Sundaray was the Resource Person from, K Himabindu was the Coordinator for the workshop , Heads of the Departments and 2nd year Teaching Faculty have participanted in the Workshop.



Faculty members participating in the BL

2. IUCEE Student Chapter from Center for Engineering Education Development (CEED)KGRCET have organized KGR SHARK TANK Event On 20th October 2020. Total we received 10 ideas from the students.THE SHARK TANK is the place to polish your ideas soon, because this is the place where your ideas are going to turn into reality Shark Tank is a place where you can show case your idea to the college and get a chance to make your idea into reality.

   Themes were:

   - Ideas based on Sustainable development
   - Ideas based on college development (Eg: Labs, Library, Environment in our college, etc.)
   - Entrepreneurial Ideas on any sector.

The Participants after their presentations

3. Center for Engineering Education Development (CEED), KGRCET Organized Team Building Activities for Lateral Entry Students as part of Orientation Program on 27th October 2022.

   Tuti Sandhya, Head-CEED was the Resource Person and Dr Madulita Sundararay and G Lakshmi Bhavani are Faculty Coordinators from CEED

Students Busy in a Team Building Activity

4. Professor Krishna Vedula, Executive Director, Indo Universal Collobarative Committee for Engineering Education(IUCEE) has visited KG Reddy College of Engineering and Technology on 26th Oct 2022 interacted with Center for Engineering Education Development(CEED) Members and IUCEE Student Chapter Office bearers and Appreciated the winners of KGR SHARK TANK Activity

Prof. Vedula Krishna with the Student Chapter

DEPARTMENT OF HUMAN RESOURCE

1. A workshop was conducted over a period of 9 months on " Re-Visioning Strategic Plan " from February to October 2022. Almost 30 Faculty members participated to brainstorm on revisiting the institutions Goals and formulating Specific Objectives. There were exhaustive sessions through Teamwork to come to a common point on Re-Visioning the Strategic Plan.

Teams presenting their views through Posters

2. A workshop spread over 4 weeks on both Offline & Online modes starting from 27th Sept. was conducted on Effective Mentoring by Jacob Perez.

   The Faculty members were trained in Mentoring the students to guide them towards achieving their Goals. The idea was to Mentor the students which should be result oriented.

DEPARTMENT OF HUMANITIES & SCIENCES

The department has conducted a 12 Days Induction Program for the I. B. Tech. students who have joined the course for the Academic Year 2022-23.

The details will be shared in the next Issue as it has kick started on 31st October.

Inaugural program of the 1st Year Induction Prog

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