



KG REDDY
College of Engineering
& Technology
AN AUTONOMOUS INSTITUTION

NEWSLETTER

VOLUME 5 • 2022 - 2023



ENGINEERING
INDIA'S
CHANGEMAKERS

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HEAD
[Signature]
DEPT. OF MECHANICAL ENGINEERING
K.G. REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
CHILKUR (V), MOINABAD, R.R. DIST, TS-501 504.

VISION AND MISSION OF THE INSTITUTE

VISION

To become an institution which is internationally recognized for its holistic approach to engineering, innovative teaching and learning culture, research and entrepreneurial ecosystem, and sustainable social impact in the community.

MISSION

- To offer undergraduate and postgraduate programs which are supported through industry relevant curriculum and innovative teaching and learning processes that would help students to succeed in their professional careers.
- To provide faculty and students with an eco system that fosters innovation, research, entrepreneurship and international exposure through strategic partnerships with government organizations and collaboration with industries.
- To provide holistic learning environment to students which will contribute to their personal and professional growth and enable them to become leaders in their respective fields.
- To contribute to the development of the region by using our technological expertise to work with nearby communities and support them in their social and economic development.

VISION AND MISSION OF THE DEPARTMENT

VISION

To be recognized as a department, providing quality technical education and producing highly competent and skilled engineers to suit the latest trends in modern industry and to act as a catalyst for sustainable development.

MISSION

- To impart quality education to the students and enhance their skills to make them globally competitive mechanical engineers.
- To improve quality of teaching by implementing innovative teaching and learning.
- To provide a collaborative environment that stimulates faculty and students to achieve their highest potential through Entrepreneurship, sustainable Development and Research

THE DEPARTMENT OF ME

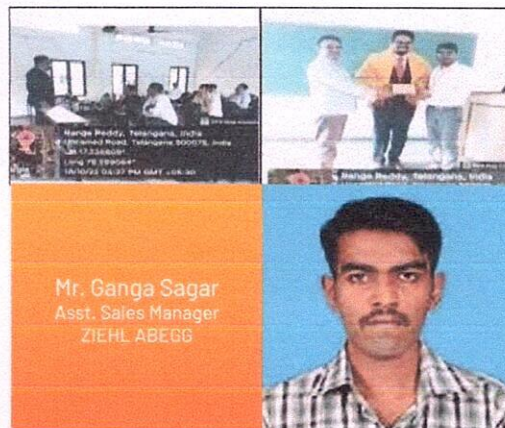
1. A Guest Lecture on ' Application of Thermal Concepts

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



DEPARTMENT OF MECHANICAL ENGINEERING

STUDENT ARTICLE

HOW WILL U MEASURE YOUR LIFE?

ask three questions and you may ask these questions to yourself?

How can I be sure that I will be happy in my career?

How can I be sure that my relationship with family and friends become enduring source of happiness?

How can I be sure I will stay out of jail?

Powerful Motivator: Powerful motivator in our life is not money.

It is the opportunity to learn, grow in responsibility, contribute to others, and be recognized for achievements.

The Profession of Management: Management is the most noble of professions if it's practiced well.

Allocate your Resources: Your decisions about allocating your personal time, energy and talent ultimately shape your life's strategy.

Culture: Culture defines the priority given to different issues in life and at work.

How to live a life of integrity:

Importance of Humility: Have a high level of self esteem.

Be Humble: If you have a humble eagerness to learn something from everybody, your learning opportunities will be unlimited.

Choose the right yardstick:

The final Enlightenment: I have concluded that the metric by which god will assess my life is not money but the individual people whose lives I have touched. Do not worry about the individual prominence you have achieved. Worry about the individuals you have helped, become better people. Think about the metric by which your life will be judged, and make resolution to live with values everyday so that in the end, your life will be judged a success.

When, Where & Who: At the end, it is time for us to ask following three questions to ourselves as an extension to these deliberations.

If not now, When?

If not here, Where?

If not me, who?

BY
MEKALA SATHWIK
20QM5A0312

WHAT IS LIFE ALL ABOUT?

Life isn't about keeping score.

Life isn't about how many friends you have Or how accepted you are.

Life isn't about if you have plans this weekend or if you're alone.

Life isn't about who you're dating, who you used to date, how many people you've dated, or if you haven't been with anyone at all.

Life isn't about who your family is or how much money they have, Or what kind of car you drive.

Life isn't about how beautiful or ugly you are. Or what clothes you wear, what shoes you have, Or what kind of music you listen to.

Life isn't about if your hair is blonde, red, black, or brown, Or if your skin is too light or too dark. Not about what clothes you get how smart you are, how smart everybody else thinks you are, or how smart standardized tests say you are.

Life isn't about what clubs you're in or how good you are at 'your' sport.

Life isn't about representing your whole being on a piece of paper and seeing who will 'accept the written you.'

Life just isn't.

BY
KAMMARI SAI TEJA
20QM5A0307

THE DEPARTMENT OF ME

1. A workshop was organized on " Design, Fabricate custom Motorcycles " from 19th to 22nd Nov. 2022:

This workshop was organized for III & IV B. Tech. students to make them understand SI engine parts, assembling and dissembling with a hands-on experience.

It was for four days, to know about how to design and fabricate Custom Motorcycles.

Day-1 : Introduction to Customization and its trends.

- : Presentation on working of Engine, Engine parts and Power transmission.
- : Hands-on session on Engine Assembling & Dissembling.

Day-2 : Basic Introduction to customization, fabrication & processes involved in Customization, hands-on session on Fabrication.

Day-3 : Fundamentals of Customization, Project Management & Workshop management. & Question and Answers session.

All the students from 2nd, 3rd and 4th year participated in the workshop and learnt about Design, Fabrication & to Custom Motorcycles.

On the third day certificates were distributed by the Head of the department Dr. Mukul Shrivastava, speaker Mr. Ram Chandar Yadav and the faculty members of the department.



1. Certificate Course on Auto CAD:

The department organized a 2week Certificate Course on Auto CAD on 15th Nov. 2022

WEEK 1: 15/11/2022

Topic: Basic introductions on Basic engineering drawing and angle of projection.

On Day 1 faculty members introduced the course to the students and informed them about the Importance of Auto CAD in the industry.

WEEK 2:18/11/2022

Topic: Co-ordinate system and Types of coordinate systems were introduced with an Auto CAD software and introduction to shortcut functional keys was given

Week 3: 22/11/2022

Topic: Basic command uses (line, rectangle, circle arc, trim, extend, copy, move, rotate, offset, boundary offset, join, explode, array, Dimension, dim style, LTS, text, m-text, leader.



The students attended with interest.



The participants during the workshop.



Explanation of angle of projection.

DEPARTMENT OF MECHANICAL ENGINEERING

STUDENT ARTICLE

EASY VS DIFFICULT

Easy is to get a place in some address book
 Difficult is to get a place some
 Easy is to judge the mistakes of
 Difficult is to recognize our own
 Easy is to talk without thinking
 Difficult is to refrain tongue
 Easy is to hurt some one whose
 Difficult is to heal the wound
 Easy is to set rules
 Difficult is to follow them
 Easy is to dream every night
 Difficult is to fight for a dream
 Easy is to show victory
 Difficult is to assume defeat
 Easy is to enjoy life every day
 Difficult is to give its real
 Easy is to promise something to
 Difficult is to fulfill that
 Easy is to criticize others
 Difficult is improve one self .

WHAT IS LIFE

A rich man burst into laughter and
 said money is life
 A poor man trembling in cold said
 life is struggle
 A man dreaming in his sleep said
 life a bed of roses
 A youngster enjoying his life said
 life is full of pleasure
 A sage in his speech said life is
 only a way to god
 A lover waiting for his life beloved
 said love is life
 But I said that love is an un solved
 L : lightness of smile
 O: ocean of tears
 V: valley of death
 E: end of life

BY
 GAJJE RAJU
 20QM5A0303

NEVER LOOSE AN OPPORTUNITY

INTRODUCTION:

In our daily life every one will get an opportunity to become successful in their life.

I have a real time example: In a petrol bunk, there were two people, who used to work in it. One day, an expensive Benz car came in front of them to fill the petrol.

A rich man came out from Benz car and he called one of the persons in petrol pump and asked that do you want to become rich person in the world, that person said yes?. Then take my card use this wonderful opportunity. Then he left the petrol pump. That person didn't use that opportunity and he threw that card into dustbin. After 6 months the similar Benz car came into the petrol pump and stopped near the same person. A person came out of car and asked that, did any one come to you before like me and give any card like this, that person said yes sir, but I have thrown it into dustbin, but how do you know all this. I was also one of the person's working beside you, I used that card and become the richest person in India.

This is "Dhirubhai ambani"

Conclusion:

"Opportunity is always knocking. The problem is that most people have the self doubt station in their head turned up way too loud to hear it"

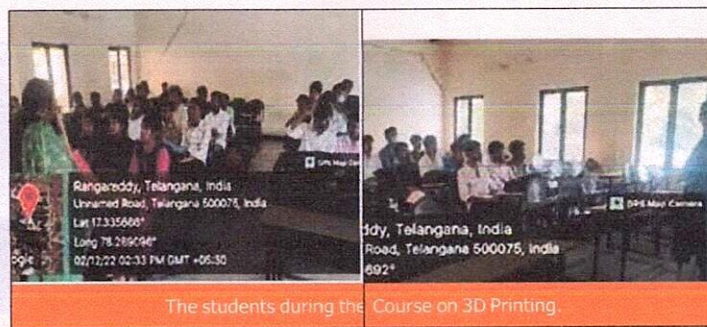
BY
 GANNOJU MANOJ KUMAR
 20QM5A0304

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 3DPrinting.



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 have been placed in KUN Hyundai Company:

Sl. No.	Roll Number	Name	Mobile No.	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	Gannoju Manoj Kumar	9705548529	Mech.	KUN Hyundai	Sarvice Advisor	3.2 LPA	20
06	18QM1A0315	Metturu Dinesh Kumar	9989224086	Mech.	KUN Hyundai	Sarvice Advisor	3.2 LPA	21
07	19QM1A0304	Raghuvamshi Chintakindi	7875211014	Mech.	KUN Hyundai	Sarvice Advisor	3.2 LPA	22
08	20QM5A0302	Gogikar Dheeraj Kumar	6303796378	Mech.	KUN Hyundai	Sarvice Advisor	3.2 LPA	23
09	20QM5A0309	KethavathGemya Naik	8978536581	Mech.	KUN Hyundai	Sarvice Advisor	3.2 LPA	24
10	20QM5A0307	Kammari Sai Teja	9949194757	Mech.	KUN Hyundai	Sarvice Advisor	3.2 LPA	25
11	20QM5A0314	Motike Rahul Vardhan	9133988678	Mech.	KUN Hyundai	Sarvice Advisor	3.2 LPA	26
12	20QM5A0317	Damodar Rao	9392306245	Mech.	KUN Hyundai	Sales Consultant	3.2 LPA	27
13	20QM540318	M A Furqan	7674967617	Mech.	KUN Hyundai	Sarvice Advisor	3.2 LPA	28
14	20QM5A0314	M.Rahul Vardhan	9133988678	Mech.	Quadrant Resource	Data Analyst	5.LPA	57
15	20QM5A0305	H.Raghevendra	9182890638	Mech.	Quadrant Resource	Data Analyst	5.LPA	71

DEPARTMENT OF MECHANICAL ENGINEERING

STUDENT ARTICLE

KGR

My

MY IMAGINATION

S. Uday Chaitanya 888 999

Really saying, always humans are in search of the comfort leading of life. This made the humans to think and develop the skills and knowledge, which ultimately changed the world with a technical development. And all this development is done only through dreaming and makes the things to come into existence. Dreams may be realistic or unbelievable. I think every one of us has some dreams which are unrealistic. Have a look over the dreams which I think to be in future.

MOBILES ARE BUILT IN HUMAN BRAINS. NANO MOBILES

Any time you felt like having an emergency situation and low battery in mobile or you lost the mobile and you are alone. What if the mobiles are built in human brains? There will be a chip of nano size and injected into your body, so that you can make calls from anywhere and any . And you don't have to charge it as it will power by your body's electricity.

CAPTURE PICS THROUGH EYES

How it will be if you can capture the photos just through and transfer it to your PC. A beautiful sunset, dew coated flower at morning or a beautiful girl in bus stop (just kidding) you can capture just through your eyes. Really saying, I think this is the best way to stop corruption in India. And a real life photographer knows how to use it. I like to be having it first.

NO HEALTH PROBLEM WITH NANO MEDICINE

"An apple a day keeps the doctor away" is the well known phrase to everyone. May it is true or not, but what if something made you not to go to doctor for life time? Yeah it is a dream, I dream to be have it, so that I don't have to suffer with cough and cold which is a very big problem in winter. I hope it can be possible through nano medicine, if yes I am the first person to have it.

NO NEED TO STUDY. JUST INSTALL THE APPLICATIONS IN THE BRAIN.

I think it is the only thing for which every student is waiting. You don't have any more need to read books, do home work, records, practicals and single night studies. And everyone become toppers of college. I think we should go to MATRIX (Hollywood movie) to have our dreams to come true.

TRANSFORMER CAR (TRANSFORMERS)

It's a dream of everyone to have cars like Mercedes, Ferrari, Rolls-Royce, Lamborghini etc. But I would like to have a car which can transform itself into a robot just like in transformers movie. Hey, with this I can make the transformer movie without graphics.

TRAVEL THROUGH TIME (TIME MACHINE)

Back to the future: so that we can change our life as what we want. If I have a chance to travel through time, I dream to meet some great personalities like swami Vivekananda. Also I will bring question paper from future and change my marks of past.

S JAIPAL REDDY
18QM1A0319

And dream yourself like these funny things and be a creator of the future.

THE DEPARTMENT OF ME



1. Industry Visit to South Central Railway

TURNING OVER A NEW PAGE
Congratulations!

Mr. Peram Kondala Rao
on publishing the textbook -
PRODUCTION ENGINEERING
in collaboration with
RK Publications
ISBN - 978-93-95331-87-6

2. A Book Published by Mr. P. Kondala Rao, Asst. Prof.



3. New Faculty Ms. G Keerthi Reddy joined the department

Date: 22-01-2023

RESEARCH METHODOLOGY COURSE WORK CERTIFICATE

This certificate is awarded to Mr./Ms. KILARI KALPANA
with application number 220141 admitted as a Research Scholar in
MECHANICAL ENGINEERING department, Incentified
for the Coursework / Workshop on "Research Methodology" in January - 2023.

[Signature]
Dr. B. L. P. Madhus
Director (AR)
K. L. E. F.
Dr. B. L. P. MAHARAJ
Vice-Chancellor (Research & Innovation)
K. L. E. F. Koneru Lakshmaiah Education Foundation

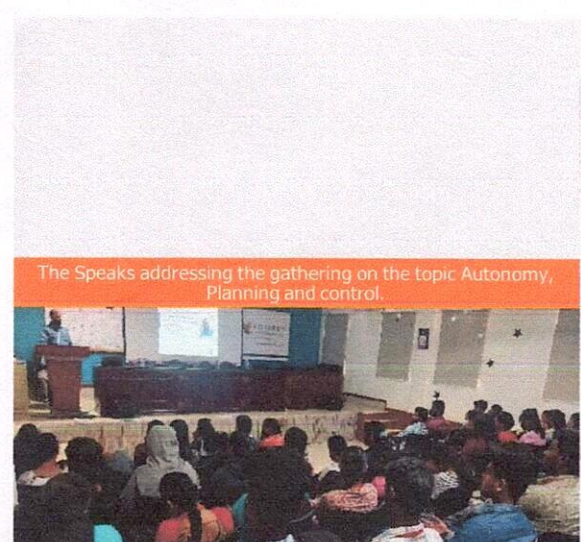
4. Ms. K. Kalpana registered in Ph.D.

5. A paper published by Dr. Baloji on title "Experimental and Finite Element Studies of Stretch Forming Process for ASS 316L at Elevated Temperature." (2022).

6. A Seminar on "Introduction to Robotics: Autonomy, Planning and Control" :



The speaks was felicitated by IEEE- RAS Student Leadership team



The Speaks addressing the gathering on the topic Autonomy, Planning and control.

DEPARTMENT OF MECHANICAL ENGINEERING

STUDENT ARTICLE

POCKETFUL OF SUNSHINE

Every girl has a dream. A dream where she wishes to be happy forever. A dream where she is surrounded by her loved ones. A dream where there are people who cherish her. Sitting her with my two brothers Bingo and Bruno reminiscing. Thinking about how life twists you, tries to break you and throw you down the cliff. Dreams don't always come true but that doesn't mean you should stop dreaming.

I was born in a tiny little cage. My mother and siblings were all we had. We cuddled up close to each other to stay warm as that was the only way to survive. Then suddenly I am being given a shower and a ribbon is put on me. I scream to my mother what was going on and she had tears. She tells me this is what our lives are and never to trust a human as they are cruel. Wish I had the chance to meet her today and tell her the angels I had met. Chance to change her life. Chance to save her but it's too late.

I was handed to a teenage girl who promised to love and cherish me forever. There was an evil man in the house and he didn't like me much. He always told the girl to keep away from me as I was carrying infections. They didn't know about the life I had before I met them. They didn't know about my living conditions. They didn't know my mother was fed once a day just to keep us alive so that the monsters could get money. I was a puppy mill dog. I was a backyard breeder's end product. He sold me for money without a care in the world. He sold my life as if he had no conscience at all.

The first couple of months in the new home were amazing. I was loved, pampered and treated like I mattered. The Teenager whom I started thinking to be my sister cuddled me every night and I was happy. There was no bounds to my happiness but as they say everything has to come to an end. My sister had to go to college outside the country and dumped me off in the garden before going like I didn't matter at all. She told the evil man to do whatever he wants with me as she had no patience to give me away to someone else. The evil man dumped me right outside the gate. They wired up the gates as I was small and could enter back. I did everything so that they would just give me a chance to show how much of a good dog I am. I would promise never to bark, chew anything or try to chase the birds. They didn't care for the promises or as a matter of fact me. They locked the home and left for a vacation. I was counting my days guarding the home and not allowing any stranger to enter. Isn't that what good dogs do? I guess so. Entering the gate was a task as it had been wired and I had cuts on my body from it. They thought sticks and stones could break my bones and spirit but they weren't right. I wanted answers. I wanted justice. It was getting painful. My fur was starting to mat and different insects started sitting on me. The only place of shade was below the car and treat was the neighbours who were sympathetic and gave me bread. It was already 15 days and no one had returned. I was shaking but put on a brave face.

Out of no where I see two teenagers. I didn't trust humans any more. Like anyone I was losing faith but these two were adamant of taking me along. I barked, snapped and scratched them. They sat me with for a couple of hours, fed me some mouth watering food and finally managed to lift me. The boy hugged me and I was in tears. He didn't know me and the feeling of pure love was something I had never experienced. They tried calling the evil man but he just diverted their calls. They just carried me on their bike with the boy still hugging me and not letting me go. I guess he wanted to show me that I wouldn't have to go through anything ever again. We were in a scary place. Everyone was staring at me and I just cuddled up next to the girl. She told me to stay strong and I wanted to be strong for them. With great arguments with some guy they wrote something on a paper and left. Later on I heard them whispering how much of a jerk the police was as the evil man had influence.

The next stop was a weird place with too many dogs. They rushed me into a grooming centre. I was shaved completely, ticks removed, a medicated bath and a nail trimming session. I was in heaven. I wasn't just ready to leave the girl's and the boy's side. I knew they would never hurt me. It was a strong feeling and I trusted them. They named me "Disney". I was taken to the girl's place and slept on her dog's tummy. She says he knew my past and will do anything to make me comfortable. I rolled around on the bed for a lot of time and finally found the spot to sleep in

BY
GUDUPALLY PAVAN CHANDRA
19QM1A0306