



your roots to success.




**MECHANICAL  
ENGINEERING**




your roots to success.

# MECHANICAL ENGINEERING DEPARTMENTAL NEWSLETTER



 Narsimha Reddy Engineering College...  
నరసింహ రెడ్డి ఇంజనీరింగ్...

**NARSIMHA REDDY ENGINEERING COLLEGE**  
Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana State, India  
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# NARSIMHA REDDY ENGINEERING COLLEGE

(UGC - AUTONOMOUS)

Approved by AICTE | Accredited by NBA & NAAC with 'A' Grade  
Maisammaguda (V), Kompally - 500100, Secunderabad, Telangana State, India

## CHAIRMAN'S MESSAGE



Sri. J. Narasimha Reddy founder and Chairman

The Narasimha Reddy Engineering College has been established with the main motto of imparting. The quality technical education catering to the needs of Telangana state. The institution strives to have high standards in professional education and working accordingly for high class facilities to all the departments. It is an immense pleasure to me for the Department of Mechanical Engineering pacing towards endeavoring high standards and successfully sbringng out bi-monthly news letter for disseminating the departmental activities in the various areas of Mechanical Engineering.

## DEPARTMENT OF MECHANICAL ENGINEERING

### HOD MESSAGE



Dr. D Simhana Devi

Engineering advancements happening in the world's workshop, so with the standard of engineering consistently rising, mechanical engineering is creating ripples in the technology world. The department is established in the year 2007 with an intake of 60 and the number is increased up to 90 in 2009 and 120 in 2013. The department is headed by Dr .M Ashok Kumar. Mechanical Engineering is a fast-growing discipline in tune with the demands in the core areas of infrastructure and Manufacturing



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## MECHANICAL ENGINEERING STUDENT ASSOCIATION



The purpose of a student organization is to bring everyone together based on their interests and build relations. Student organization recognitions purpose is to create connections expand skills and explore different elements university life while making lifelong friends.



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## About Mechanical Engineering Department



The Department of Mechanical Engineering is one of the oldest departments of NRCM and has evolved into one of the finest in terms of teaching curriculum and methodology supported by a well-organized and adequately funded research program and imparting technical education while promoting professional ethics in engineering education. Engineering advancements happening in the world's workshop, so with the standard of engineering consistently rising, mechanical engineering is creating ripples in the technology world.

It is endowed with sufficient number of faculty as per the AICTE norms and well established labs with advanced features. All faculties are holding M.Tech degrees and some of them are working for their PhD.

## INSIDE THIS ISSUE:

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1. Departmental Activities
2. Students Achievements and Activities
3. Research Publications

## *Vision*

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*To provide a professional and conducive environment to foster outcome-based teaching learning with intellectual, ethical, and cultural sensitivities to lead in the field of Mechanical Engineering.*

## *Mission*

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**M1:** *To produce skilled graduates with leadership qualities and team working abilities, thus enhancing their employability and self-sustainability in the environment.*

**M2:** *To emerge as a centre for research & consultancy in the field of Mechanical Engineering and be an incubation centre for Technocrats.*

**M3:** *To inculcate the habit of continuous learning through advanced technologies with ethical values.*



*Learning beyond the classroom is the first step toward engineering excellence.  
Understanding manufacturing processes is the backbone of every successful mechanical engineer*

## DEPARTMENT OF ME

*Congratulations!*



to all for getting NPTEL certificates



Title : Manufacturing process-Casting and Joining



24X05A0305  
Daravath Praveen



24X05A0324  
Shaik Reena



24X05A0309  
J. Gnaneshwar

**JULY - DECEMBER 2025**

Dr.D.Simhana Devi  
HoD-ME



**Location:**  
Malsammaguda (V), Kompally - 500100, Hyderabad.



**Website:**  
[www.nrcmec.org/](http://www.nrcmec.org/)

*The department applauds the students for their initiative in enhancing technical competence through NPTEL*

## Industrial visits



**Department of Mechanical Engineering**



### Industrial Visit to Kothagudem Thermal Power Station

Kothagudem, Telangana












## Glimpses

**Dr. M. Ashok Kumar**  
HoD ME

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www.nrcmec.org  
COUNSELING CODE  
**NRCM**



*“The industrial visit to the Thermal Power Station, Kothagudem provided practical exposure to large-scale power generation and real-time engineering operations.”*

*Observing thermal power plant operations helped students connect classroom theory with real-world mechanical systems.”*

*Such industrial visits play a vital role in enhancing technical understanding and industry readiness of students.”*

FROM CLASSROOM LEARNING TO INDUSTRY PRACTICE

**CURRICULUM-INTEGRATED INTERNSHIPS  
HAVE STRENGTHENED THE TECHNICAL SKILLS AND INDUSTRY READINESS OF  
STUDENTS.**

 <p><b>भारत हेवी इलेक्ट्रिकल्स लिमिटेड</b> रामचंद्रपुरम, हैदराबाद मानव संसाधन विकास केंद्र</p> <p><b>BHARAT HEAVY ELECTRICALS LIMITED</b> RAMACHANDRAPURAM, HYDERABAD-502032 Human Resource Development Centre</p> <p>Ref No: 25EN662665      Date: 22-05-2025</p> <p><b>TO WHOMSOEVER IT MAY CONCERN</b></p> <p>This is to certify that Mr./Ms./Mrs. <u>Alli SHIRISH KUMAR</u> with college id no: <u>23X05A0301</u> studying in <u>NARSIMHA REDDY ENGINEERING COLLEGE</u> pursuing B.E/B.Tech/MBA in <u>MECHANICAL ENGINEERING</u> discipline had undergone project training from <u>08-05-2025</u> to <u>22-05-2025</u>. The title of the project as per our records is <u>MANUFACTURING OF STEAM TURBINE</u></p> <p><i>K. Narasimha</i> Project training In-charge K. NARASIMHA ऑफिस सहायक / सहायक प्रबंधक / प्रबंधक मानव संसाधन विभाग भारत हेवी इलेक्ट्रिकल्स लिमिटेड</p>	 <p><b>INTERNSHIP</b></p> <p>OPPORTUNITY KNOWLEDGE GOAL MENTORING SKILLS PRACTICE</p>	<p><b>KINTEL POWER SOLUTIONS PVT LTD</b> (CALIBRATION LAB)</p> <p>A NABL accredited Laboratory as per ISO / IEC 17025:2017 Calibration   Engineering   Design   Contracting   Training   Sales   Services Plot No.301, 3rd Floor, Vikas Building, Chintalapudi (T), Mangalagiri, Sattenapalle, A.P. 500412, INDIA</p> <p><b>CERTIFICATE OF TRAINING COMPLETION</b></p> <p>Ref: KPS/INT/2025-26/0006      Date: 24/05/2025</p> <p>This is to certify that Mr. Jaga Ganesh, a student of Narsimha Reddy Engineering College bearing the Roll No. 23X05A0324, has successfully completed an internship at KINTEL POWER SOLUTIONS PRIVATE LIMITED, a NABL accredited laboratory, from 1<sup>st</sup> May 2025 to 24<sup>th</sup> May 2025.</p> <p>During the tenure of the internship, he was actively involved in various laboratory activities under the supervision of qualified professionals. The scope of the internship included:</p> <ul style="list-style-type: none"> <li>Exposure to NABL-accredited procedures and quality management systems.</li> <li>Understanding the documentation and quality assurance protocols as per ISO / IEC 17025:2017 standards.</li> <li>Hands-on training in:             <ul style="list-style-type: none"> <li>Calibration of Pressure / Compound / Magneto-helic gauges, Pressure switches, Pressure Transmitters etc.</li> <li>Calibration of Weighing Balances and Weights.</li> <li>Calibration of Thermocouples, RTDs, Temperature gauges / switches / Transmitters etc.</li> </ul> </li> <li>Participation in routine laboratory tasks and report preparation.</li> <li>Measurement uncertainty and error analysis</li> <li>Best practices for calibration record keeping.</li> </ul> <p>We found Mr. Jaga Ganesh to be punctual, dedicated, and eager to learn. His performance during the internship was satisfactory.</p> <p>We wish him/her all the best in future endeavours.</p> <p><i>K.V.K. Linga Rao</i> Managing Director</p> <p>Scanned with OKEN Scanner</p>
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**Congratulations!**

The department congratulates all IV-I students for their successful completion of curriculum-based internships.



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**25** Students Selected by **HYUNDAI** with Package of ₹ 3.2 LPA

**Location:** Maisammaguda (V), Kompally - 500100, Hyderabad.  
**Website:** www.nrce.org/

## Campus Placement





**SHAHGARON**  
**ON CAMPUS RECRUITMENT DRIVE**  
For ECE, EEE, MECH and CIVIL  
**CTC: 3.6 LPA**

Monday, 6 Sep 2022  
NT Block Seminar Hall

No Backlogs and candidate should have minimum 65% in B.Tech.

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**NRCM**



## Sports and cultural events



*The Department congratulates the winners of the Volleyball Trophy for their*

*Commendable performance and team spirit*





YOUR ROOTS TO SUCCESS.

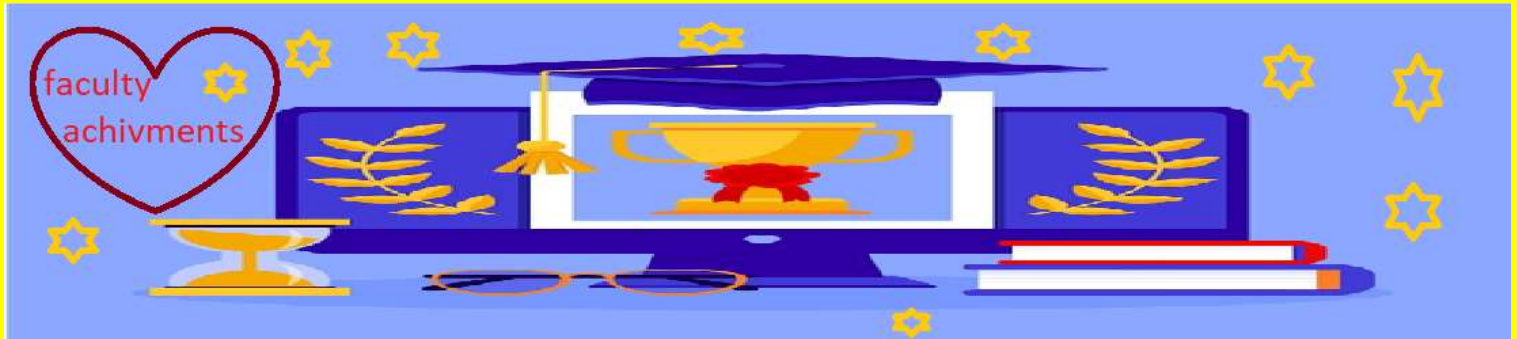
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Students in Mechanical engineering laboratory





The department congratulates Dr. D. Simhana Devi, Mr. A. Daniel Praneeth, Dr. Ch. Mohan Rao, Mrs. G. Anitha, Mrs. P. Sruthi, and Mr. R. Sai Syam, Mr Subhrajit Sahoo on the successful completion of NPTEL certifications in CSE-emerging area, reflecting their commitment to continuous learning and academic excellence.



## DEPARTMENT OF ME

### Hearty Congratulations

to all for getting NPTEL certificates

 <b>Elite</b> <b>Dr. D. Simhana Devi</b> - Practice cyber security for Cyber Security Practitioners - Artificial Intelligence: Concepts and Techniques - Introduction to machine learning - Mobile Virtual Reality and AR	 <b>Elite</b> <b>Dr. Ch. Mohan Rao</b> - Introduction to Internet of Things - Introduction to Industry 4.0 and industrial Internet of Things	 <b>Elite</b> <b>Mr. A. Daniel Praneeth</b> - Problem solving through Programming in C - The Joy of Computing using Python
 <b>Mrs. G. Anitha</b> Cloud Computing	 <b>Mrs. P. Sruthi</b> Basics of Mechanical Engineering-3	 <b>Elite</b> <b>Mr. R. Sai Syam</b> The Joy of Computing using Python <b>Dr. D. Simhana Devi</b> HoD-ME

**Proud Moment of NRCM!**

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The department proudly congratulates **Dr. D. Simhana Devi** on the publication of the book titled '**Introduction to Research Methodology**', reflecting her academic expertise and contribution to research-oriented learning

Hearty Congratulations

**TEXTBOOK PUBLISHED**

**INTRODUCTION TO RESEARCH METHODOLOGY**

PROF. D. VENKATA VARA PRASAD  
Dr. DUNGA SIMHANA DEVI

Author-2  
Dr.D.Simhana Devi

**Certificate of Publishing**

DR. DUNGA SIMHANA DEVI

Location: Maisammaguda (V), Kompally - 500100, Hyderabad.

Website: www.nrcmec.com

## FDP

By successfully attending the FDP, Dr. Simhana Devi and Dr. Mohan Rao have strengthened their expertise, reinforcing the spirit of lifelong learning and academic leadership.

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**Certificate of Participation**

Dr.Ch Mohan Rao  
Dr.D Simhana Devi

Title: Emerging Research paradigms

MECHANICAL ENGINEERS  
CHAIR

## MESSAGE



Dear NRCM,

Thank you for being the foundation of my academic and personal growth. My time at [College Name] shaped who I am today—providing not only knowledge but also friendships, memories, and lessons that will stay with me forever.

From inspiring professors and challenging coursework to the vibrant campus life, every moment was a stepping stone to my future. I'll always cherish the late-night study sessions, the laughter with friends, and the sense of belonging that I found in your halls.

With gratitude and love,  
SHAIK JAKEER  
21X05A0349

To my beloved NRCM,

Looking back, I realize how much you've impacted my life in ways I could never have imagined. You weren't just an institution; you were a second home where I discovered my passions, built lifelong relationships, and learned to dream bigger.

The guidance of professors, the support of friends, and the vibrant campus experiences all played a part in shaping the person I am today. I will forever carry the lessons and memories with me, no matter where life takes me.

Thank you for being the foundation of my journey. I'll always be proud to call myself an alumnus/alumna of NRCM.

Forever grateful,  
SIPRAN DURGAPRASAD  
21X05A0352



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## the EDITORIAL board



Mr. Subhrajit Sahoo  
Asst. Prof.  
Department of Mechanical Engineering

