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# DEPARTMENT OF MECHANICAL ENGINEERING

COMPLICATED ISSUES  
SIMPLE SOLUTION  
COMPLEX RESULTS

# MECHRONICLE

THE EXPOSURE OF MECHANICAL ENGINEERING

**NSRIT**

**NADIMPALLI SATYANARAYANA RAJU  
INSTITUTE OF TECHNOLOGY**

ESTD:2008

(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada)

Recognized under Section 2(f) of the UGC Act, 1956 | Accredited by NAAC with 'A' Grade



## **INSTITUTE VISION**

To promote societal empowerment and become an institution of excellence in the field of engineering education and research.

## **INSTITUTE MISSION**

To develop the students into outstanding professionals through innovative Teaching - Learning process.

To uphold research through long term Academia - Industry interaction.

To inculcate ethical standards and moral values.

## **DEPARTMENT VISION**

"To impart technical education for facing challenges with humane approach for sustainable development in Mechanical Engineering."

## **DEPARTMENT MISSION**

To impart quality based education in Mechanical Engineering.

To provide goal-oriented and value-added education.

To impart skills in students for socio - economic development.

## **Program Educational Objective (PEOs)**

- PEO 1: Synergistically integrate mechanical engineering for the design and manufacture of industrial products and processes.
- PEO 2: Have strong team skills, good analytical and problem solving skills to innovate, research, develop and solve multi-disciplinary problems.
- PEO 3: Have professional ethics and good communication Skills.
- PEO 4: Have Awareness of Societal and the Environmental implications and make themselves, suitable for Engineering Career in Industries or for pursuing higher studies.

## **PRINCIPAL MESSAGE**

Heartiest congratulations to the Department of Mechanical Engineering in bringing out a news letter portraying the academic and non-academic activities of their department and in the era of outcome based education. Empowering the students is the thrust area to be addressed in a professional institution, and I am happy to announce that the ME Department is moving towards that goal. I extend best wishes to the supporting faculty of ME Department in their upcoming endeavors.



**Dr. Y Vamsi Dhar**  
Principal



## STUDENT ACHIEVEMENTS

The Amazon Cherry Shopping and Browser App has inaugurated by Dr. N.Prasad Raju, secretary, NSRIT and developed by Mr. G.Shiva Prasad, 3rd year ME student. This browsing app led to link with college automation services.



The multi cylinder engine Re-established by final year students at thermal engineering lab as their mini project. The performance and evaluation of multi cylinder engine now modified in view of effective teaching and study orientation purposes.

From the department of mechanical engineering and the extreme level of coordination from third year students, the FLASHMOB concept has performed well in view of SPAC-2K18 cultural fest.



The project show case event for final year students in the presence of Dr. Palanni Shetty, Prof., AU. has displayed their successful prototypes at mechanical engineering department with the presence of all Authorities, Management of NSRIT on 27.2.2018.

## FACULTY ACHIEVEMENTS

The NSS team has contributed their admirable efforts towards educating the backward villages and participated "Swachh Bharat" mission in the eve of august 15 Independence Day.



The NSRIT Institution on the eve from NSS NCC unit, today they organized one blood camp on institution primitives, the department of mechanical engineering has volunteered the students and faculty members.

Mr. Krishna Murthy, Asst Prof, ME has elected to participate the two week faculty development programmed on series and parallel simulative robotics from 22-01-18 to 02-02-18. Mr. Ch. Krishna Murthy is been attended the two week faculty development program on robotics at GVP. In that process, he met Dr. S.K.Saha, Head of The Department of Mechanical Engineering at IIT-Delhi and he is awarded with man of robotics.





## DEPARTMENT ACTIVITIES



A 6 DAY training and certification workshop has conducted for 2nd year ME students on the mechanical design course **CATIA V5 R15** with the collaboration of **Andhra Pradesh State Skill Development Corporation (APSSDC)**. 44 student participants were certified for their excellence in knowledge through this workshop.

The department of mechanical engineering has conducted An **Expert Lecture** on "Power Plant Engineering" with expert professor Dr. Raghu Rama Raju Garu for final year students.



The department of mechanical engineering has organized to develop the enhancement of industry orientation knowledge and present market trends by industrial visits. We visited **VIZAG STEEL PLANT, VIJAYANAGARA BIO TECH LMT & HOBBEL BELLOWS Co.**

The department of mechanical engineering has organized the **Parent Teacher Meeting and Induction Program** to develop good communication in between management and stockholders



The department of mechanical engineering students from 2nd year to 4th year has participated towards the **Amaravathi Knowledge Center** by Government of Andhra Pradesh, **SKILL INDIA**.

The lab protocol for simulation lab and thermal engineering lab has performed by concerned lab in-charges with live examples and video aided presentations to ensure the present trends in the industrial orientation knowledge.



## PHOTO GALLERY



Parents Meet



Career Vission Program



Robotic Club Activity



Technimble 2K18



Matrixing 2018



Inter Championship 2018