

MECHANICAL ENGINEERING DEPARTMENT NEWS LETTER

“We Build Machines that Build Nation”

VISION

- To strive for making competent **mechanical engineering Professionals** to cater the real time needs of Industry and **Research Organizations** of high repute with **entrepreneurial skills and ethical values.**

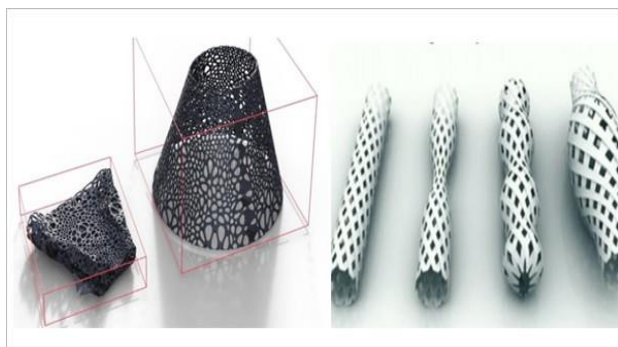
MISSION

- To train the students with **state of art infrastructure** to make them industry ready professionals and to promote them for higher studies and **research.**
- To employ committed **faculty** for developing competent mechanical engineering graduates to deal with **complex** problems.
- To support the students in developing professionalism and make them **socially** committed mechanical engineers with morals and **ethical values.**

MODERN TRENDS IN TECHNOLOGY

4D DIMENSIONAL PRINTING :

- **4-dimensional printing (4D printing;** also known as **4D** bioprinting, active origami, or shape-morphing systems) uses the same techniques of 3D printing through computer-programmed deposition of material in successive layers to create a three-dimensional object. 4D printing adds the dimension of transformation over time. It is therefore a type of programmable matter where in after the fabrication process, the printed product reacts with parameters within the environment (humidity, temperature, etc.) and changes its form accordingly. The ability to do so arises from the near infinite configurations at a micrometer resolution, creating solids with engineered molecular spatial distributions and thus allowing unprecedented multifunctional performance.



FACULTY FOCUS:

FACULTY PUBLICATIONS:

- Vice Principal Dr.D.Suneel published a Journal paper entitled “**Studies on Machining Characteristics and Microbiological Growth over Stir Casted A356-Graphite Metal Matrix Composites (A Comparison between Pure Metals and Composite)**”, in IOP Conference Series: Materials Science and Engineering, ISSN:1757-899X, Vol. 1112, PP.012004, Published online: 15th April 2021, SCOPUS Indexed Journal.
- Vice Principal Dr.D.Suneel published a Journal paper entitled “**Investigations on Hardness, Machinability**

and Electrical Conductivity of Stir Casted A356 Nanocomposites Reinforced with SiC Nanoparticles with Ultrasonic Assisted Cavitation”, in Applied Mechanics and Materials, Trans Tech Publications Ltd, Switzerland, ISSN: 1662-7482, Vol. 903, PP. 107-115, April 2021, Indexed in Index Copernicus Journals Master List, Google Scholar, EBSCOhost Research Databases etc.

- Vice Principal Dr.D.Suneel published a Journal paper entitled “**An ANN Approach for Predicting the Wear Behavior of Nano SiC-Reinforced A356 MMNCs Synthesized by Ultrasonic-Assisted Cavitation**” in Springer SIST (Smart Innovation, Systems and Technologies) series, ISSN 2190-3018, ISBN 978-981-33-4442-6, Vol. 213, PP.113-124, April 2021, Indexed by SCOPUS, EI Compendex, INSPEC, WTI Frankfurt eG, zbMATH, Japanese Science and Technology Agency (JST), SCImago, DBLP.
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FACULTY ACHIEVEMENTS:

WORKSHOPS/CONFERENCES/ WEBINARS/FDPS/QUIZ/ATTENDED:

- HOD Dr.B.Venkata siva attended FDP through ICT mode on “**Material Processing & Heat Treatment**”, organized by CSIR-NML, Jamshedpur during 11/01/2021 to 15/01/2021.
- HOD Dr.B.Venkata siva attended Two day National seminar on “**Characterization Techniques of Materials**”, organized by Dept. of Physics, ANU, Guntur during 26/03/2021 to 27/03/2021.
- HOD Dr..B.Venkata siva attended International Conference on **Materials, Mechanical and Energy Engineering** “, organized by organized by BEC , Bapatla during 07/05/2021 to 08/05/2021.
- B.Rambabu Assistant professor attended National seminar on “**Recent Advances in Materials and**

Challenges in Manufacturing techniques”, organized by University College of Kakinada during 22/03/2021 to 03/04/2021.

- T.N.V.Mahesh babu Associated professor attended National seminar on “**Recent Innovations in Design & Manufacturing**”, organized by Malla Reddy engineering college during 24/05/2021 to 29/05/2021.
- T.Ashok kumar Assistant professor attended National seminar on “**Recent Innovations in Design & Manufacturing**”, organized by Malla Reddy engineering college during 24/05/2021 to 29/05/2021.
- K.JohnBabu Assistant professor attended National seminar on “**IQAC & National Service scheme (YOGA)**”, organized Narasaraopeta engineering college on 21/06/2021.
- M.V,Babu Assistant professor attended National seminar on “**India design week competition**”, ICT Academy & AUTO DESK on 18/04/2021.
- M.V,Babu Assistant professor attended one week FDP on “**Manufacturing 4.0**”, organized by NITTR Chandigarh during 19/04/2021 to 23/04/2021.

DEPARTMENT ACTIVITIES:

- Department has organized a one week workshop on “**PRODUCT DESIGN AND DRAFTING BY SOLID EDGE**” during 04/01/2021 to 09/01/2021 in association with APSSDC.



- Department has conducted first ever **Design Now ICT-Autodesk Fusion 360 software CAD Competition** with the help of Expert - Sri MOHAMED SHEREEF, Deputy Manager, Design Team @ ICT and Sri Badari Hiriyur, Education specialist at Autodesk at Dassaults systems Lab. Total fifty five students from third year participated in this competition during 08/01/2021 to 13/01/2021.



- Department has organized Unveiled Dr. **SARVEPALLI RADHAKRISHNAN** statue by Honorable chairman Sri Mittapalli Venkata Koteswararao garu on 09/01/2021.



- Department has organized a one week workshop on “**MECHANICAL COMPONENTS DRAFTING BY AUTOCAD**”, during 18/01/2021 to 23/01/2021 in association with APSSDC.



- Department has organized a two day “**MINI PROJECT REVIEW**”, for final year students during 22/01/2021 to 23/01/2021.



- Department has organized “**NATIONAL VOTERS DAY PROGRAMM**”, for I, II, III, & IV year students on 25/01/2021.



- Department has organized a two day workshop on “**3D Printing**”, by resource persons Dr.Santosh Kumar Malyala, Asst. Professor, Acharya Institute, Bangalore and Mr.Rakesh Koppunur, CEO, KOPP3D Innovations POC, Pvt. Ltd during 05/02/2021 to 06/02/2021.



- Department has organized a two day workshop on “**MECHANICAL DESIGN SOFTWARES**”, by resource person KANCHARLA NAGU manager CANTER CADD, GUNTUR during 17/02/2021 to 18/02/2021 in association with CANTER CADD GUNTUR .



- Department has organized a guest lecture for second year students on “**MECHANICS OF SOLIDS**”, subject by resource person K.KRISHNA KISHORE, Assistant Professor Gudlavalluru Engineering College ,Gudlavalluru on 22/02/2021.



- Department has organized a two day “ **PROJECT EXPO**”, for final year students on 04/03/2021.



- Department has organized a two week workshop on “**INDUSTRIAL AUTOMATION USING PLC AND PNEUMATICS**”, during 29/03/2021 to 10/03/2021 in association with AGIIT, Chennai.



- Department has organized a one week workshop on “**SOLID MODELLING Using SOLID WORKS**”, by resource persons B.Gopala krishna Nayak and Venkatesh during 12/04/2021 to 17/04/2021.



STUDENT FOCUS:

**STUDENT PARTICIPATIONS IN WORKSHOPS /
CONFERENCES/NSS PROGRAMS:**

- Students from final year A section participated in “**NSS PROGRAM ON CHLORINATION and UTILITIES DONATION TO ORPHANS**”, Narasaraopet on 05/01/2021.



- Students from final year B section participated in “**NSS PROGRAM ON CHLORINATION and UTILITIES DONATION TO ORPHANS**”, Narasaraopet on 06/01/2021.



- Students from final year C section participated in “**NSS PROGRAM ON CHLORINATION and UTILITIES DONATION TO ORPHANS**”, Narasaraopet on 07/01/2021.



- Students from final year C section participated in “**NSS PROGRAM ON PLANTATION**”, Narasaraopet on 25/02/2021.



INDUSTRIAL VISITS:

- 45 Students from Second year A section Visited “**MITTAPALLI SPINNENRS LIMITED**”, Yellamanda as a part of industrial visit on 19/01/2021.



- 45 Students from Second year B section Visited “**MITTAPALLI SPINNENRS LIMITED**”, Yellamanda as a part of industrial visit on 20/01/2021.



- 43 Students from Second year A & B sections Visited “MITTAPALLI SPINNENRS LIMITED”, Yellamanda as a part of industrial visit on 21/01/2021.



- Students from third year A sections Visited “Central Institute of Petrochemicals Engineering & Technology (CIPET)”, Vijayawada as a part of industrial visit on 27/01/2021.



- Students from third year B sections Visited “Central Institute of Petrochemicals Engineering & Technology (CIPET)”, Vijayawada as a part of industrial visit on 28/01/2021.



CAMPUS PLACEMENTS:

38 students of Mechanical got selected in various companies listed below.

STUDENT NAME	COMPANY NAME	SALARY PACKAGE(Lakh per annum)
HARI KRISHNA REDDY BHIMAVARAPU	RENAULT NISSAN	1.80 LPA
PRAVEEN KUMAR AMBATI	RENAULT NISSAN	1.80 LPA
KOTI REDDY SYAMALA	RENAULT NISSAN	1.80 LPA
CHANDU CHITTIPROLU	RENAULT NISSAN	1.80 LPA
JITHENDRA KUMAR KALLAM	RENAULT NISSAN	1.80 LPA
HOSANNA BATTULA	RENAULT NISSAN	1.80 LPA
CHAKRAVARTHI BATHULA	RENAULT NISSAN	1.80 LPA
AKBAR JANI SHAIK	RENAULT NISSAN	1.80 LPA
SRIKANTH NAIK BANAVATHU	RENAULT NISSAN	1.80 LPA
ASHOK VEMULA	RENAULT NISSAN	1.80 LPA
VIJAY SAI KUMAR BUSI	RENAULT NISSAN	1.80 LPA
KARTHEEK THIRUVEEDHULA	RENAULT NISSAN	1.80 LPA
M.VENKATESH	RENAULT NISSAN	1.80 LPA
M.HARISH	RENAULT NISSAN	1.80 LPA
K.NAGARJUNA	RENAULT NISSAN	1.80 LPA
V.TEJA	RENAULT NISSAN	1.80 LPA
B.PRAKASH	RENAULT NISSAN	1.80 LPA
SHAIK AFRIDEE	SAVANTIS	3.20 LPA
VENNAPUSALA SRIKANTH	TCS NINJA (NQT)	3.60 LPA
REDDY RAJA NAVEEN	TAFE	3.60 LPA
D.PRINCE VIJAYA KUMAR	CAPARO	3.60 LPA
CHANDRA SEKHAR REDDY AKKALA	INFOSYS	3.60 LPA
I.NAVEEN	INFOSYS	3.60 LPA
CH.GOPI KRISHNA	INFOSYS	3.60 LPA
B.MAHESH	INFOSYS	3.60 LPA

ALUMNI VOICE:



- I am a student of NEC and would like to whole heartedly announce that, NEC has provided me a wonderful environment and opportunity to learn and grow myself academically. It was a great time, spent in NEC. The four years spent here was splendid and has helped me excel professionally as well as personally. Apart from academic, department offers various opportunity to enjoy our college days which was attracting us towards college many of the time. The relation between faculty and student is very cordial, which gave me an opportunity to excel further.

S.Swetha Lilly Zerusha (15471A0397 -2015 Batch)

SOFTWARE ENGINEER , TECH MAHINDRA
HYDERABAD.



Student Voice:

- I feel very blessed to be a Mechanical engineering student in Narasaraopeta Engineering college. Our faculty who are inspiring the future Technocrats, they taught us technical strategies they mentor,guide us and teach classes in a practical manner and encouraged each and every student's interests. Our backbone is our HOD Dr.S.B.Venkata siva sir who encourages student ideas and creates a platform to develop their ideas.
CH.Venkata sairam IV -B.Tech, (17471A0343)

“Knowledge is limited. Imagination encircles the world”, A.P.J.Abdul kalam.