

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

Green Manufacturing:



- The term "**Green**" **manufacturing** can be looked at in two ways: the **manufacturing** of "**green**" products, particularly those used in renewable energy systems and clean technology equipment of all kinds, and the "**greening**" of **manufacturing** — reducing pollution and waste by minimizing natural resource use, recycling.
- There is no doubt that making green manufacturing choices will have a positive impact on the environment. It will allow that manufacturer to have a smaller carbon footprint and reduce the amount of toxins released into the atmosphere. This lets that manufacturer know that they are making the right decisions to protect the environment and keep it safe.

Faculty Focus:

Faculty publications:

- Dr.S..Venkata siva Associate professor published a Journal paper entitled "Aluminium metal matrix composites reinforced with waste colliery shale: A potential material for wear resistant applications" **Indian Foundry Journal**, Vol. 65, Issue 1, January 2019, pp. 21-29.
- Dr.S.Venkata siva Associate professor published a Journal paper entitled "Tribological studies of Al-based metal matrix composite reinforced with Al-20Cu-10Mg ternary alloy using Taguchi technique" **Int.J.Materials Engineering Innovation**, 2018, Vol. 9, No.2, pp. 94-114. **Inderscience Publishers-Scopus indexed-SNIP-.326, Cite Score-.36**.
- Dr.S.Venkatasisva Associate professor published a Journal paper entitled "Experimental Studies of Mechanical Properties and Tribological Behaviour of Aluminium

Composite Reinforced With Coconut Shell Ash Particulates" **Int. J. Materials Engineering Innovation**, 2018, Vol. 9, No.2, pp. 140-157. **Inderscience Publishers-Scopus indexed-SNIP-.326, Cite Score-.36**

- Dr.D.Jagadish Associate professor published a Journal paper entitled "**Aerodynamic Performance of Micro Aerial Wing Structures at Low Reynolds Number**", **INCAS BULLETIN**, Volume 11, Issue 1/ 2019, pp. 107 – 120 (P) ISSN 2066-8201, (E) ISSN 2247-4528.
- Dr.D.Jagadish professor published a Journal paper entitled "**BEM Prediction of Wind Turbine Operation and Performance**", **INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH** Vassishtha Bhargava et al., Vol.8, No.4, 2018

Workshops attended

- Principal Dr.M.Sreenivasa kumar and HOD Dean (Acad.), Dr.D.Suneel were present at AP Secretariat, AMARAVATI on 01-03-2019 to take part in MOA (tripartite agreement) signing ceremony with APSSDC and European Center for Mechatronic, as a partner institution in the APSSDC – ECM Convergence Centers "**Indo-European Skilling Centers for Microelectronics and Industrial Robotis**", The tripartite agreement between ECM, APSSDC, and NEC has been signed in the presence of Sri. J S V Prasad, IAS, Special Chief Secretary, Govt. of Andhra Pradesh.



- Dr.S..Venkata siva has Attended a short term course on "**Problem based Learning**", 11-02-2019 to 15-02-2019, organized by department of CSE, NEC, in association with NITTTR, Kolkata, at NEC, Narsaraopet.
- Dr.S.Venkata siva has Attended in Two day national seminar on "**Emerging Materials for Green Environment (EMGE-2K19)**", 05/03/2019 to 06/03/2019, Andhra Loyola College, Vijayawada, Andhra Pradesh.
- Dr.D.Suneel HOD Dean (Acad.), has attended One day Workshop on "**Moodle Learning Management Systems**", organized by department of CSE, NEC on 15/03/2019.
- S.Sivanjaneyulu Assistant professor has attended One day Workshop on "**Moodle Learning Management Systems**", organized by department of CSE, NEC on 15/03/2019.
- P.Rajanna Assistant professor has attended One day Workshop on "**Moodle Learning Management Systems**", organized by department of CSE, NEC on 15/03/2019.
- K.John Babu Assistant professor has attended One day Workshop on "**Moodle Learning Management Systems**", organized by department of CSE, NEC on 15/03/2019.
- K.Sadhana Assistant professor has attended One day Workshop on "**Moodle Learning Management Systems**", organized by department of CSE, NEC on 15/03/2019.

- Mrs.T.Venkata Deepthi Associate professor has attended Faculty Development Program on “**Artificial Intelligence, Machine Learning and Block Chain Technology in Production and Supply chain**”, at NIT Warangal from 25/04/2019 to 30/04/2019.
- Dr.S.Venkata siva Associate professor has participated International conference on “**Quantitative analysis of tribological performance on Al-CSA composite using orthogonal array**”, published in the proceedings of 1st International conference on applied Mechanical Engineering Research, ICAMER-2019, 02/05/2019 to 04/05/2019, NIT Warangal, Warangal.
- P.Srinivasarao Assistant professor from department has attended three days workshop on “**AICTE Induction Program**”, Audisankara College of Engineering & Technology, Gudur, Nellore district.
- Mrs.T.Venkata Deepthi Associate professor has attended One day Workshop on “**Python**”, organized by department of ECE, NEC on 22/06/2019.
- K.Ayyapaswamy Assistant professor has attended One day Workshop on “**Python**”, organized by department of ECE, NEC on 22/06/2019.
- R.Ravindranath Assistant professor has attended One day Workshop on “**Python**”, organized by department of ECE, NEC on 22/06/2019.

Faculty Achievements:

- B.Saida Rao Assistant professor from department got Full time Ph.d admission in VIT Amaravathi Guntur.
- Ch.Sekhar Associate professor from department got Part time Ph.d admission in Vignan University Guntur.
- J.Pavanu sai Assistant professor from department got Full time Ph.d admission in Vignan University Guntur.

Faculty Certification Courses:

- Dr.D.Suneel, Dean (Acad.) & Head of Mech .Engg completed Surface Engineering of “**Nano materials**”, NPTEL online certification with 69% score.
- Ch.Sekhar Associate professor from department completed “**Kinematics of Mechanisms and Machines**”, NPTEL online certification with 52% score.
- N.Siva Nagaraju Assistant professor from Mech department completed “**Basics of Finite Element**”, NPTEL online certification with 81% score.
- K.John Babu Assistant professor from Mech department completed “**Basics of Finite Element**”, NPTEL online certification with 67% score.
- M.Venkaiah Assistant professor from department completed “**Advanced Manufacturing process**”, NPTEL online certification with 60% score.
- P.Srinivasarao Assistant professor from department completed “**I.C Engines and Gas Turbines**”, NPTEL online certification with 63% score.
- Dr.S.Venkata siva Associate professor from department completed “**Advanced Manufacturing process**”, NPTEL online certification with 75% score.

Department activities:

- Department has Organized a Three day short term course (Training program through ICT) on “**INDUSTRY 4.0 STANDARD**”, in association with NITTTR – Chandigarh during 23/01/2019 to 25/01/2019.



- Department has organized a Five day short term course on “**GREEN MANUFACTURING**”, in association with NITTTR –Chandigarh during 11/02/2019 to 15/02/2019.



- Department has organized a Five day short term course on “**RECENT TRENDS IN AUTOMOBILE TECHNOLOGY**”, in association with NITTTR –Chandigarh during 25/02/2019 to 01/03/2019.



- Department has organized a Five day short term course on “**CAD Using SOLIDWORKS**”, in association with NITTTR –Chandigarh during 11/03/2019 to 15/03/2019.



Student Focus

STUDENT PARTICIPATIONS IN WORKSHOPS / CONFERENCES:

- Department has organized a Two day workshop for second & third Year students on “**AERO MODELLING**”, in association with RC WING-ODISHA during 21/01/2019 to 22/01/2019.



- Department has organized a Four day workshop for final year students on **“PROGRAMMING & FABRICATION OF ROBOTS”**, by Skyfi Labs Bangalore during 11/02/2019 to 14/02/2019.



- Department has organized a One week workshop for Final year students on **“LEAN MANUFACTURING”**, by Dr.J.V.L.Venkatesh Retired Professor from SGGS Institute of Engineering and Technology ,Nanded during 11/02/2019 to 16/02/2019.



- Department has organized a Ten day workshop for Second and Third year students on **“DESIGN AND FABRICATION OF THERMAL SYSTEMS”**, by Action Engineers Pvt.Ltd ,Hyderabad during 11/02/2019 to 20/02/2019.



- Department has organized a Four day workshop for Second and Third year students on **“Non Destructive Testing Methods (With Case studies)”**, by BITS Vizag Pvt.Ltd during 13/02/2019 to 16/02/2019.



Industrial Visits

- Students of second year A section visited Thermal Power Station (VTPS) Vijayawada as a part of industrial visit on 07/01/2019.



- Students of second year B section visited VIJAYAWDA THERMAL POWER STATION (VTPS) Vijayawada as a part of indstrial visit on 08/01/2019.



- Students of second year C section visited VIJAYAWDA THERMAL POWER STATION (VTPS) Vijayawada as a part of industrial visit on 09/01/2019.



- Students of third year A section visited VIJAYAWDA THERMAL POWER STATION (VTPS) Vijayawada as a part of industrial visit on 09/01/2019.



- Students of third year B section visited **VIJAYAWADA THERMAL POWER STATION (VTPS)** Vijayawada as a part of Industrial visit on 10/01/2019.



- Students of second year A section visited **“JOCIL PVT LIMITED”**, Dokiparru Guntur as a part of Industrial visit on 22/01/2019.



- Students of second year B section visited **“JOCIL PVT LIMITED”**, Dokiparru Guntur as a part of Industrial visit on 23/01/2019.



- Students of second year C section visited **“JOCIL PVT LIMITED”**, Dokiparru Guntur as a part of Industrial visit on 29/01/2019.



Student Achievements in sports and technical events

- Students from Mechanical Second and third year participated in **“Bharat Formula Karting CAD Technologies”**, at Coimbatore, Tamilnadu during 28/02/2019 to 03/03/2019.



- Students from Mechanical Second year participated in Technical Quiz at Sri Chundi Ranganayakulu Engineering college, during 12/02/2019 to 13/02/2019.
- Students from Mechanical Second year participated and won first prize in **kabaddi** game at Pace Inst of Tech & Science, Ongole during 12/02/2019 to 13/02/2019.
- Six students from Mechanical Second year participated in **Project expo** at V R Siddhartha Engineering College during 15/02/2019 to 16/02/2019.
- Four students from Mechanical Second year participated in **Technical quiz** Bapatla Engineering College during 15/02/2019 to 16/02/2019.
- Two students from Mechanical Second year participated and got first prize in **Assembly & Disassembly of IC Engine** at Bapatla Engineering College during 15/02/2019 to 16/02/2019.
- Two students from Mechanical Second year participated in **CAD Workshop** at Sri Mittapalli College of Engineering during 15/02/2019 to 16/02/2019.
- Students from Mechanical Second year participated and won second prize in volley ball game at Chalapathi Institute of Engineering & Technology on 16/02/2019.
- Students from Mechanical Second year participated and won second prize in kabaddi game at Sri Mittapalli College of Engineering on 16/02/2019.

Campus Placements:

- 128 students of Mechanical got selected in various companies listed below

Company Name	No.of students	Salary Package(Lakh per annum)
Zenus Group	1	1.80
EDUFIC	7	2.70

MITSUBICAL INDIA Pvt Ltd	3	1.50
MPHASIS	6	2.20
SAVANTIS SOLUTIONS	2	1.80
SUPER AUTO FORGE PVT LTD	29	1.44
HYOSEONG ELECTRIC PVT LTD	16	1.44
EOS	11	1.80
PRAKASA SPECTRO CAST PVT LTD	16	1.80
HINDUJA GLOBAL SOLUTIONS	1	1.74
TECHMAHINDRA	3	1.80
TELEPERFORMANCE	2	1.44
Surya Tech	16	1.44
AXIS BANK	2	1.80
SL CORPORATION	13	1.80
Total	128	

Academic Toppers

The following students are toppers in the end examinations in their respective classes



G. Balaji Guptha

18471A0315

8.79



A. Chandra Sekhar Reddy

18475A0341

9.61



M. Jayakrishna

16471A0365

8.64



G. Chandra Sekhara Reddy

15471A03F7

87%



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.

Neeradi. Siva Kumar (2005-2009Batch)

Staff Design Engineer, Detailing Engineering India Pvt Ltd, Hyderabad.



Student Voice

I feel very blessed to be a Mechanical engineering student in Narasaraopet 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 Dean (Acad.) Dr.D.Suneel sir who encourages student ideas and creates a platform to develop their ideas.

Talluri . Akhil Sai

III-B.Tech, (17471A0301)

“You have to dream before your dreams can come true”. A.P.J.Abdul kalam