

**EVENTS ORGANIZED:****A REPORT ON  
INDUSTRIAL VISIT-APSRTC ZONAL WORKSHOP, NELLORE**

The III year Mechanical students of 2021-2024 batch 42 members have visited APSRTC ZONAL WORKSHOP, NELLORE on 19/07/2023 accompanied by two faculty members, namely, Mr. Sk.Rahamath Basha Asst. Prof. and Mr.E.Bhaskar, Asst.prof. The visit enables the students for practical exposure to the assembly, disassembly of engine parts and various parts of the bus. The students observed rebutting of tyres, turbochargers, bus body remodelling with the help of spray painting and sheet metal works, Brake unit, pads, leaf springs, clutches, pressure plate, heavy duty lathe machine, 6-cylinder inline engine, fuel injector inspection, injector inspection, pump inspection, Inlet and Exhaust port rebuilding, alternator, differential propulsion shaft, differential gear box, battery chargers etc...



GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY  
(Approved by AICTE, New Delhi & Affiliated to JNTU, Anantapur)

**DEPARTMENT OF MECHANICAL ENGINEERING**

**NEWS LETTER**

**METROID**

"TECHNOLOGY TRENDS TRADITION"

**VISION**

To evolve as a prospective learning centre producing competent Mechanical Engineers to fulfill the ever changing needs of society and industry demands

**MISSION**

- To Impart comprehensive knowledge and experience in Mechanical Engineering domain through the effective implementation of Teaching-Learning methodologies.
- To promote the culture of Interdisciplinary learning and facilitate Industrial training to resolve global Engineering issues.
- To Impart training on modern drafting and analysis software sharpening computational capabilities and promoting higher studies.
- To Initiate Industry-Institute Interface facilitating skill enhancement keeping pace with emerging industrial trends.
- To Infuse moral and ethical values to groom environmentally conscious and socially responsible technocrats with professional integrity.

**PROGRAM SPECIFIC OUTCOMES (PSOs)**

PSO1: Professional Skills: Apply the knowledge of materials and manufacturing principles to plan, design and monitor the production operations of an Industry.

PSO2: Design Skills: Employ the governing laws of Thermodynamics, Heat transfer and Refrigeration & Air Conditioning to design and develop Thermo Fluid systems.

**PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

- Examine and Analyze Mechanical Engineering problems and provide sustainable solutions.
- Pursue successful professional career in industry, academia or research.
- Engage in continuous learning to keep abreast of emerging technologies with a sense of professional commitment and ethics.
- Contribute in multi-disciplinary teams through effective inter personal skills

EVENTS ORGANIZED:

A Report of One-week Value added course On NON-DESTRUCTIVE TESTING (NDT)

The department of Mechanical Engineering organized a one week Workshop on "Value Added Course On Non Destructive" in association with Vidaal International Hyderabad .from 01-05-2023 to 06-05-2023 by Mr. Ch.sreenivasa Rao. The Principal of GIST, Prof. Dr. K. Sundeep Kumar in his inaugural address mentioned the importance of manufacturing technology and its Applications in Mechanical Engineering. Director Dr.G. Subba Rao explained elaboratively the importance of recent trends in mechanical engineering technologies. Prof. Ch. Sreenivasa Rao, HoD of ME department presided over the event.



A Report on One Week Workshop On "Product Design & Drafting by CATIA"

The Department of Mechanical Engineering organized a one week workshop on "Product Design & Drafting by CATIA" with the support of Andhra Pradesh State Skill Development Corporation (APSSDC) from 15-11-2021 to 20-11-2021 in Geethanjali Institute of Science and Technology.

The inaugural session preceded by the Head of The Mechanical Engineering Department Dr.T.Sunil Kumar, addressed gathering by IICC Head, Dr.P.Chakrapani and the importance of the workshop by Principal of GIST, Dr.G.Subba Rao.

The main objective of this workshop is to create great learning platform for students of IV year regarding design of the products by using software tool (CATIA) to enhance their knowledge while creating 3D models.

Alapati Tejoamareswar and D.Rambabu are the trainers from APSSDC, explained each and every concept related to product design & drafting by CATIA.

Mrs.G.Nilima supervised the proceedings of the event.



**FACULTY ACHIEVEMENT:****WORK SHOP /FDP ATTENDED:**

- Dr.Ch.Sreenivasa Rao Attended a FDP on Advancements in Mechanical Engineering conducted by LBRCE, Mylavaram from 19/06/2023 to 24/06/2023.
- Mr.E.Bhaskar Attended a FDP on Research Methodology & Publication Ethics conducted by GKCEM, Baruiapur from 16/01/2023 to 20/01/2023.
- Mr SK.Rahamath Basha Attended a FDP on Python and its Applications conducted by GIST, Nellore from 04/06/2023 to 10/06/2023.
- Mr V.Naresh Babu Attended a FDP on Advancements in Mechanical Engineering conducted by LBRCE, Mylavaram from 19/06/2023 to 24/06/2023.
- Mr. J.Hareesh Kumar Attended a FDP on Research Methodology & Publication Ethics conducted by GKCEM, Baruiapur from 16/01/2023 to 20/01/2023.
- Mr. N.Jashuva Attended a FDP on Python and its Applications conducted by GIST, Nellore from 04/06/2023 to 10/06/2023.
- Mr. N.Jashuva Attended a FDP on Contemporary Progression, Challenges and Issues in Metal 3D Printing conducted by MITS, Madanapalle from 19/06/2023 to 23/06/2023.
- Mr. P.Amos Attended a FDP on Thermal science and Materials Engineering conducted by SRIT, Ananthapur from 07/11/2022 to 11/11/2022.
- Mr. P.Amos Attended a FDP on Advanced Technologies for Emerging Research in Mechanical Engineering conducted by AITS, Rajampet from 05/12/2022 to 09/12/2023.
- Mr. A.Rohan Satya Sai Attended FDP on Contemporary Progression, Challenges and Issues in Metal 3D Printing conducted by MITS, Madanapalle from 19/06/2023 to 23/06/2023.

**CONFERENCES ATTENDED:**

- Dr. Ch. Sreenivasa Rao, Professor, attended the CRATE-22 conference at Vemu Institute of Technology, P.Kothakota. He presented a paper titled “Evolution of performance of refrigerator with change in length of condenser.”
- Mr V.Naresh Babu, Assistant Professor, attended the ICACCES conference at Avanthi Institute of Engineering & Technology, Vizianagaram. He presented a paper titled “Structural and thermal analysis of a rotating blade of a gas turbine.”

**STUDENTS ACHIEVEMENT:****EVENTS OR ACTIVITIES PRIZE WINNERS:**

	S.No	Names of the prize winners
1.	TECHNICAL QUIZ	1.Sk. Muzamilluddin 2.Sk. Sana Kousar 3.Sk.Saba kousar
2.	PAPER PRESENTATION	1.Koushik Reddy
3.	GENERAL QUIZ	1.S.Sunanda Bhargavi 2.P.Prasanna
4.	POSTER PRESENTATION	1. D. Sai Kusuma

**ACADEMIC TOPPERS:**

S.NO	ROLL NUMBERS	NAME OF THE STUDENTS	YEAR/SEM	SGPA
1	202U5A0320	VIRUVURU VINAY	IV-I	8.43
2	202U5A0318	SHAIK RAHAMATHULLA	IV-II	9.31
3	212U5A0326	SHAIK ABDUL KALAM	III-I	9.16
4	202UA0305	GANJIGUNTLA SAI CHARAN REDDY	III-II	8.74
5	222U5A0301	BADRI GOVARDHAN	II-I	7.8

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