

INDUSTRIAL VISITS:

Industrial Visit to Green Tech India Private Limited

The II year Mechanical students of 2018-2022 batch 63 members have visited Green Tech India Private Limited. on 13/08/2019 accompanied by two faculty members, namely, Mr. Shaik Rahmath Basha Assistant Prof. and Mr. Y. Murali Krishna Assistant Prof. The visit enables the students to practically visualize the machining and manufacturing of Turbo Chargers and Superchargers, which are used in today's trending vehicles. The students have a great exposure to the foundry and IT hub of the company which uses the software Auto Cad and Pro-e for the designing process.



Industrial Visit to APGENCO

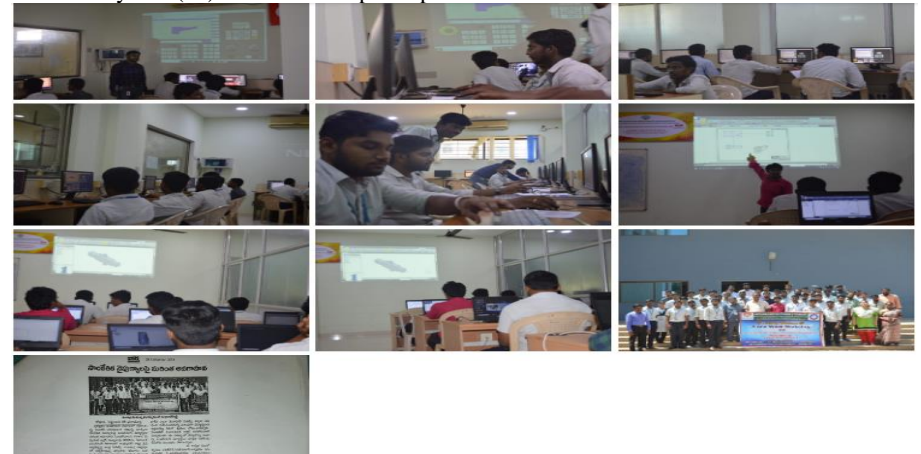
The III year Mechanical students of 2017-2021 batch 59 members have visited 2x800=1600MW APGENCO power plant on 27/09/2019 accompanied by two faculty members, namely, Mr. Ch. Sreenivasa Rao Assoc. Prof. and Mr. Shaik Rahmath Basha Assistant Prof. The visit enables the students to practically visualize the functioning boilers, their mounting and accessories, Material handling equipment, Cooling towers, Ponds, working of steam turbines, condensers and also a generation of electricity by the use of electrical generators



WORKSHOPS:

One Week Workshop on Solidegde & NC Programming on Turning

The Mechanical Engineering department organized a one week work shop on SOLIDEGDE & NC PROGRAMMING IN TURNING with the support of SIEMENS –APSSDC during 23rd to 29th Sep 2019. Thirty two (32) students were participated in each of the course



GUEST LECTURES:

Guest Lecture on Numerical Methods in Multi Dimensional Heat Transfers By Prof. K. Ramakrishna

A guest held in our Mechanical Engineering department on the date 24/09/2019 by the Prof. K. Rama Krishna, Dean-Quality, Prof in ME, KL University on the topic of Numerical Methods in Multi Dimensional Heat Transfers. In the beginning Prof. K. Rama Krishna gave an introduction of Multi Dimensional Heat Transfers by using numerical methods. He told the students about Numerical heat transfer is a broad term denoting the procedures for the solution, on a computer, of a set of algebraic equations that approximate the differential equations describing conduction, convection and/or radiation heat transfer.



Faculty Fdp's Attended:

- + Dr. Ch. Sreenivasa Rao, Attended a FDP on Refrigeration and Air- Conditioning, Nellore, from 05.08.2019 to 11.08.2019.
- + Mr. Narapusetti Anjaneyulu, Principles of Metal Foming Technology, Nellore, from 02.09.2019 to 08.09.2019.
- + Mr. Chakka Mani Kiran, Principles of Metal Forming Technology, Nellore, from 02.09.2019 to 08.09.2019.

Events Organised:

The Geethanjali Association of Mechanical Engineers (GAME) has been inaugurated on 11th October, 2019 for the academic year of 2019-20. The inauguration started with the prayer song. Dr. T. Sunil Kumar, Professor and Head, delivered the cordial welcome address. Mr. N.Anjaneyulu, faculty advisor introduced Mr. S. Yash jain of final year, Mechanical Engineering, President and student office bearers of GAME 2019-20. President of GAME gave the introduction about the Chief Guest. Dr. G. Subba Rao, chief guest of the day delivered a technical talk on topic "MACHINE LEARNING, ARTIFICIAL INTELLIGENCE & DATA SCIENCES". He described and explained the importance of new software's and Industrial needs.



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 for producing quality human resources

Mission

- + Impart Technical knowledge through effective teaching-learning practices
- + Provide congenial academic environment for honing technical skills
- + Develop professional and entrepreneurial skills through collaborations
- + Promote leadership skills along with social and ethical values

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- + 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 the sense of professional ethics.
- + Contribute in multi-disciplinary teams through effective interpersonal skills.

PROGRAM SPECIFIC OUTCOMES (PSOs)

- + Professional Skills: Utilize the knowledge of materials and manufacturing principles to plan, design and monitor the production operations of an Industry.
- + Design Skills: Employ the governing laws of Thermodynamics, Heat transfer and Refrigeration & Air Conditioning to design and develop Thermo Fluid systems.

HYPER LOOP

The Hyperloop is a proposed mode of passenger and Freight transportation, first used to describe an open-source vactrain Design released by a joint team from Tesla and SpaceX, although the Vactrain concept was first proposed by Robert H. Goddard in 1904. Hyperloop is described as a sealed tube or system of tubes with low air pressure through which a pod may travel substantially free of air resistance or friction. The Hyperloop could potentially convey people or objects at airline or hypersonic speeds while being energy Efficient compared with existing high speed rail systems. This, if implemented, may reduce travel times.

