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ENGINEERING COLLEGE
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DEPARTMENT OF MECHANICAL ENGINEERING

MONTHLY NEWS – MAY 2023

About Department of Mechanical Engineering

The department offers UG program in B.E Mechanical engineering from the year 2005. The department started a PG program M.E Industrial Safety Engineering from this academic year 2018-2019. This course has wide range of job opportunity in the Industrial and Academic sector of India as well as abroad. The Department aims at providing the students with a perfect blend of intellectual and practical experiences with the support state-of-the-art laboratories and well-defined academic structure. The UG program is accredited by National Board of Accreditation (NBA). The special feature of the Department has established three applied laboratories, in addition to the regular labs to support students to master skills to make each one industry-ready, with a solid grounding in the principles and practice of Mechanical Engineering. We also have a strong academy for training students to appear for GATE exam.

Vision of the Department

To produce competent Mechanical Engineers of excellent technical and managerial skills with profound morality for global, national and confront societal development.

Mission of the Department

1. To provide quality education in Mechanical Engineering with an interdisciplinary approach, encouraging innovation, research, and Entrepreneurship through world-class infrastructure and proficient teachers.
2. To make the department self-reliant through multiple programs with excellent curricula, best practices, and industry exposure.
3. To inculcate technical, professional, and leadership skills, moral ethics, and lifelong learning.

Programme Educational Outcomes

The Bachelor of Mechanical Engineering curriculum is designed to impart Knowledge, Skill, and Attitude to the graduates to

PEO 1: Have a successful professional career in Mechanical Engineering and allied industries, either by employment or through entrepreneurship.

PEO 2: Establish competency in Design, Thermal, Materials, and Manufacturing system with ethics and social responsibility.

PEO 3: Have a continual receptiveness for leadership and social challenges.

Message from the Head of the Department

**Dear Colleagues,
Greetings!**

I have great pleasure and pride to announce that the Department of Mechanical Engineering is publishing the newsletter for the month of May 2023. Amidst the Covid Pandemic situation, we strived hard to keep the students engaged, and utilize the time not only for quality education and for self-development. We are steadfast in our progress as it involved various activities that enabled the hidden talents of the department students and faculty members to be brought into light. Besides the lockdown, our faculty members are continuously attending various training programs, publishing research papers, book chapters and are also working on getting patents.

This newsletter is the reflection of department activities which showcases all the events held in the department, contribution of faculty members, students and the best practices adopted. I would like to congratulate all the members of the editorial board for their sincere effort to realize this venture.



Dr. R. Samuel Hansen, M.E., Ph.D.

Professor & Head

samuel_hansen@rediffmail.com

EDITORIAL BOARD

Dr. Dr. R. Samuel Hansen, Professor & Head of Department, Editor – in – Chief.

Dr. S. Balakrishnan, Assistant Professor, Mechanical Department, Faculty In charge.

INDUSTRIAL VISIT

A batch of 55 third year students and 2 faculty members from the department of mechanical engineering visited Naga Flour Mills, Dindigul on May 4, 2023. A team of Naga producing around 28 food products to clients and exporting to India and other foreign countries. In that industry, they procured different raw materials as per product requirements from Unit I of Naga Mills, Dindigul. Initially the R&D team tested the raw materials as per nutrition requirements of every product. Continuously sewing process is done using copper machine for the purpose of raw material filtration. After that raw materials are supplied into extruder with the combination of both water & powder through hopper. In the extruding process, raw materials are completely mixing with the assist of drum. Subsequently, raw materials are shaken around 25mins, next stage is to dry the materials around 70 – 80 Degree Celsius. For reducing the temperature for packing, store and cool the materials with 30 Degree Celsius. In addition to this, before packing a metal detector is used to find the any metal in production process. Finally, food products are packed using automation process. From that visit, students understood about history of Naga team, what are the products they are manufacturing, production and packing process. Mrs. Sowmya/HR of Naga mills conducted the interaction session with students and, she asked some questions regarding production process. Dr.R.K.A.Bhalaji AP/Mech and Dr.V.T.Vimalananth AP/Mech coordinated the industrial visit for students in an efficient manner.



WEBNIAR

A “Entrepreneurial Opportunities in Online Business” was organized by Entrepreneurship Development Cell & Institution’s Innovation Council in association with the Department of Mechanical Engineering on 22nd May 2023 from 01:30 pm to 04.30 pm. The program was held via online mode. Dr.R.K.A.Bhalaji, AP/Mech inaugurated the session with a welcome address.

Firstly, the resource person shared ideas related to entrepreneurial opportunities in online business such as amazon, technical writer, startup advisor, digital courses, tutorial business, YouTube channel etc. As well as he said nowadays most of the people earn lot of money from Instagram, YouTube, twitter for posting videos and photos based on subscribers and views. Regarding this, he said before we start the business in online portal, think about innovative ideas based on recent trends in world market then only business will grow faster. Next, he discussed about online business environment such as work force, economic force, technology, competitors, partners, customers/clients, communities etc and resource person show the online business model with real time examples. Additionally, he deliberated about the features, marketing solutions & challenges in online business. Finally, he revealed what are the elements to set the goal for online business such as innovative ideas, vision & success and, he told online business is an opportunity to make money from anywhere in the world.

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Vannarpettai, Tirunelveli - 627 003.

Entrepreneurial Opportunities in Online Business

Online Business

22 MAY 2023
1:30 PM - 4:30 PM

RESOURCE PERSON
Mr. A. Alban Santhosh
Alumni Entrepreneur,
Founder Director – Life Changers Academy.

Organized by
Entrepreneurship Development Cell &
Institution's Innovation Council

in association with
Department of
Mechanical Engineering

Co-ordinator
Dr. R.K.A. Bhalaji
Assistant Professor / MECH

Convener
Dr. R. Samuel Hansen
HOD / MECH

Dr. Lourdes Poobala Rayan
Director EDC and IIC President

Dr. K. Jeyakumar
General Manager - Development

Dr. V. Velmurugan
Principal

14:45

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Grow together

Anto...

You

23 others