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DEPARTMENT OF MECHANICAL ENGINEERING

MONTHLY NEWS – JANUARY 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 January 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.

SEMINAR

A “Expert Talk on Process of Innovation Development” was organized by Entrepreneurship Development Cell & Institution’s Innovation Council in association with the Department of Mechanical Engineering on 20th January 2023 at 01:30 pm to 04.30 pm. The program was held via offline mode. Dr.R.K.A.Bhalaji, AP/Mech inaugurated the session with welcome address.

Mr.S.M.Sunder Rajan, AP/Mech, Francis Xavier Engineering College, Tirunelveli was the resource person. First of all resource person said that innovation is the one of the most overused words in business world and it describes everything from incremental improvements in technology to revolutionary changes that impact society. Simply he told innovation is the glue between invention and investment. As of 2022, more 2,50,000 + ‘innovation’ books on Amazon.com and 20 million + ‘innovation’ search results from google. After that resource person discussed about the process of innovation development such as ideas and solutions (is the idea strong enough to justify moving forward), business proposition (is the business proposition strong enough to justify moving forward), business feasibility and business plan. He clearly explained the key elements regarding every innovation process with suitable examples such as ideas and solutions (person mapping, technology mapping), business preposition (what is the product or service, who are the users), business feasibility from industry, market and company domain and business plan (Investor pitch & In-Depth Planning). Finally, he concluded the talk with suitable quotes for innovation “It is the transformation of knowledge into money”.

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Vannarpedal, Tirunelveli - 627 003

20th
JANUARY
2023
01:30 PM - 4:30 PM

TOPIC
Expert Talk on Process of Innovation Development
Organised by
Department of Mechanical Engineering

RESOURCE PERSON
Mr. S.M. SUNDER RAJAN
Assistant Professor
Department of Mechanical Engineering
Francis Xavier Engineering College

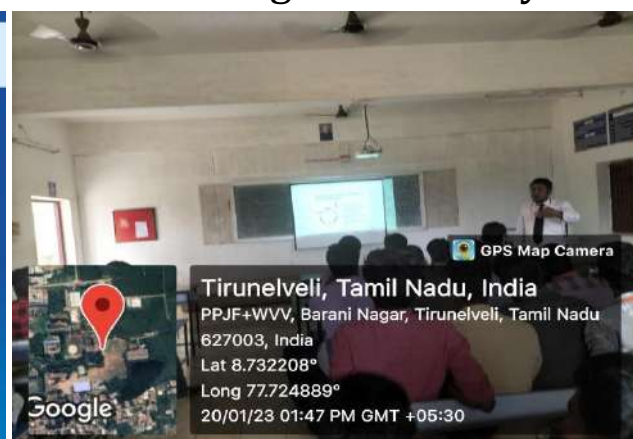
Co-ordinator
Dr. R.K.A. Bhalaji
Assistant Professor / M.ECH

Convener
Dr. R. Samuel Hansen
HOD / M.ECH

Dr. Lourdes Poopala Rayen
Director EDC & IIC, President

Dr. K. Jayakumar
General Manager - Development

Dr. V. Velmurugan
Principal



INDUSTRY CONNECT

M/s. Nova Carbons India Private Limited, Tirunelveli, requested that Dr. R. K. A. Bhalaji, AP/Mech, OHSAS Certified Safety Auditor, perform the Industrial Safety Audit in their industry.

Nova Carbons India Private Limited (100% EOU)
Address : B47, 48 & 49, SIPCOT Industrial Growth Centre I Gangakondan
Tirunelveli - 627 352 | India | Tel.: +91 462 251 8800-13 | Fax: +91 462 251 8814
E-mail: info.jcino@jacobi.net | web: www.jacobi.net

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To
The principal,
Francis Xavier Engineering College,
Tirunelveli.

18/01/2023

Dear Sir

Sub: Requisition for conducting Industrial Safety Audit

Ref: Institute Industry Connect activities of Centre for Entrepreneurship Development, Francis Xavier Engineering College, Tirunelveli

We came to know that your college Mechanical Engineering Assistant Professor Dr. R. K. A. Bhalaji has completed his Doctoral degree in Industrial Safety Engineering and having Certified Safety Auditor as per OHSAS standards.

As we must complete the external safety audit, I request Dr. R.K.A. Bhalaji to conduct the Industrial Safety Audit as per the industry norms and the report may be submitted to the Managing Director as early as possible.

For Nova Carbons India Pvt Ltd

N. [Signature]
Vasantha Prabhu N
General Manager.



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