

NIRVANA

DEPARTMENT OF MECHANICAL ENGINEERING
VIVEKANANDA COLLEGE OF ENGINEERING & TECHNOLOGY, PUTTUR. 08251-234555



प्रत्येकश्वासः पारितोषिकमस्ति

Volume: 12

Issue: 2

Pages: 02

July 2025

BIANNUAL NEWSLETTER

A Talk on "Energy Audit on Pumps"

The Department of Mechanical Engineering, in association with the Mechanical Engineering Students' Association (MESA), organized a technical talk on the topic "**Energy Audit on Pumps**". The session was held on 11th March 2025 in Krishna Chethana Block. Mr. Sathwik welcomed the gathering. The primary goal was to enhance students' understanding of industrial energy usage and the importance of optimizing pump systems for energy efficiency. The talk was delivered by **Dr. K Gangadharan Nair**, Associate at Rachana Ener Care. Dr. Nair is a renowned expert in the field of energy conservation and has rich experience in conducting energy audits across various industries.



Dr. Nair began the session by introducing the importance of energy conservation and the significant role pumps play in industrial energy consumption. He explained the concept of energy audits, their objectives, and methodology, especially in the context of pumping systems. The session covered: Types of pumps and their applications, Common inefficiencies in pump systems, Techniques to improve energy efficiency and Real-life case studies of energy savings through audits. The session concluded with a Q&A, where students actively interacted and clarified their doubts. Mr. Swasthik P D delivered the vote of thanks to the resource person. The event successfully enhanced awareness about energy efficiency and sustainable practices.

Vision

"To be a well-recognized department in providing conducive environment for learning, leading to well-qualified engineers who are innovative and successful in their diverse careers".

Mission

M1: Students: To Prepare, educate, inspire and mentor the students to excel as professionals.

M2: Faculty: To Facilitate in academic and research activities.

M3: Infrastructure: To provide state of the art infrastructure facilities in the field of mechanical engineering.

M4: Teaching Learning: To improve pedagogical methods employed in delivering the academic programs.

EDITORS TEAM

Mr. Sudarshan M L

- Chief Editor

Mr. Ajith K

Mr. Satheesha Kumar

- Co- Editors

Mr. Sooryakanth

Mr. Vidhath H U

- Associate Editors



Aqueduct Systems



Roman aqueducts were sophisticated systems that carried fresh water from distant sources to cities and towns using gravity flow. These systems, constructed from the 4th century BC to the 3rd century AD, are testaments to Roman engineering prowess, with arched bridges, tunnels, and underground channels that supplied water for public fountains, baths, and private homes.

"To invent, you need a good imagination and a pile of junk."

— Thomas Edison

Alumni Talk on “Bio-Mechanics and Human-Machine Interaction Design”



An alumni talk on the topic “Bio-Mechanics and Human-Machine Interaction Design” was delivered by Mr. Deepak B C, an esteemed alumnus of the Mechanical

Engineering Department. Drawing from his academic and professional expertise, Mr. Deepak offered valuable insights into the interdisciplinary field of biomechanics, emphasizing the role of mechanical engineering principles in enhancing human-machine interaction and designing more efficient, ergonomic systems. His talk shed light on current trends, challenges, and future opportunities in the domain, inspiring students to explore this dynamic and impactful area. The session began with a warm welcome address by Dr. Deepak K B, who highlighted the relevance of such talks in expanding students’ horizons beyond the traditional curriculum. The event concluded with a vote of thanks delivered by Prof. Sudarshan M L, who expressed sincere appreciation to Mr. Deepak for his enriching presentation and to the attendees for their active participation.

Sports Achievers

The students of our Engineering College delivered a **special and commendable performance** in the **VTU Inter Collegiate events**, showcasing their exceptional talent, dedication, and competitive spirit. Their achievements reflect not only their individual hard work but also the collective effort of mentors and faculty who guided them throughout the journey. The following mechanical engineering students represented college and won many medals.

1. Sambhram G of 6th Sem has won Bronze medal in 4x400 mixed relay.
2. Ramithrai N of 6th Sem has won Bronze medal in 4x100m relay
3. Anagha KN of 2nd Sem has won Gold medal in 200m, gold in 400m, silver medal in 4x1 OOm relay, bronze medal in 4x400m mixed relay
4. Nithya N, Bhuvanram of 4th Sem, Hithesh, Vijeth, Gourav, Yashas, Pratheek of 2nd Sem has won Silver Medal In VTU State Level Kabaddi Tournament 2025.

This remarkable performance has further strengthened the college's reputation within the VTU community and inspired peers to strive for excellence in both academic and extracurricular pursuits.

Class 2024-25 Mechanical Engineers



SAMARANGANA SUTRADHARA

Samarāṅgaṇasūtradhāra is an 11th-century poetic treatise on classical Indian architecture (*vastu shastra*) written in the Sanskrit language attributed to Paramara King Bhoja of Dhar. The title *Samarāṅgaṇasūtradhāra* is a compound word that literally means "architect of human dwellings", but can also be decomposed to an alternate meaning as "stage manager for battlefields" – possibly a play of words to recognize its royal author. It outlines designs for mechanical machines, including **flying machines (Vimanas)** and **robotic-like automata**, showing early conceptualization of mechanical systems.

