

Turbines

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SECAB.I.E.T, MECHANICAL ENGINEERING
DEPARTMENT, BAGALKOT ROAD,
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From HOD'S Desk

It is my pleasure to welcome you to the department of mechanical engineering at the SECAB institute of engineering and technology Vijaypur. Mechanical engineering has been thought of traditionally as a professional discipline and the mechanical engineers of today are multidisciplinary, with knowledge from other branches of engineering.

The academic programmes of the department reflect not only the core areas of mechanical engineer but also the research specialization of the faculty. All the faculties are working in close co-operation while retaining individual identities. We provide our students with a solid engineering education that focuses on creativity, innovation, strong ethical responsibility and place equal emphasis on developing strong leadership qualities in our students.

"Education is the most powerful weapon which you can use to change the world"

As far as the faculties of the department is concerned, I am very happy to inform you that, we have great team of well qualified, dedicated, devoted, young, energetic and dynamic faculty members who are very brilliant in handling the challenging subjects in a very easy and graspable way by applying a various new teaching methods and intelligible demonstrations during the course of work. Further, Faculty pay dedicated attention to vigorous research and students' projects engendering in them untiring efforts, indomitable will, immense patience and soft skills as desired by industry.



Ambika Honakatti
3rd SEM

Western Ghats

Western Ghats also known as Sahyadri is a mountain range that covers an area of 140,000 kilometre square in a stretch of 1600 km parallel to The Western coast of the Indian peninsula, traverse the states of Kerala, Tamil Nadu, Karnataka, Goa, Maharashtra and Gujarat. It is a UNESCO World Heritage site and is one of the eight hottest hotspots of biological diversity in the world. It is sometimes called the Great Escarpment of India. It is a biodiversity hotspot that contains a large proportion of the countries flora and fauna; many of which are found in India and nowhere else in the world. According to UNESCO, Western Ghats are older than Himalayan mountains. It also influences Indian monsoon weather patterns by intercepting the rain Laden monsoon winds that sweep in form the Southwest during late summer. The range runs north to south along the Western edge of the Deccan Plateau, and separate the plateau from an arrow coastal plains called Konkan, along the Arabian Sea. A total of 39 areas including national parks Wildlife sanctuaries and reserve forests were designated as world heritage sites. 20 in Kerala, 10 in Karnataka, 5 in Tamilnadu and 4 in Maharashtra.

Pramod Jatkar.
5th SEM

RECENT TRENDS IN MECHANICAL ENGINEERING

Looking towards the new era in technology mechanical engineering offers the addition of new subjects and new versions of old subjects. Nanotechnology, Clean technology, and many other fields are being introduced in the scientific and industrial area. The design has made its entry a decade back into the core part of mechanical engineering and got itself manipulated in different forms. Several key emerging Technologies for fundamentally within the domain of mechanical engineering expertise. Among these technologies are micro and nanoscale fabrication processes, energy and the environment. Modern mechanical engineers can navigate virtual design environment and are adept in computing so that they play a significant role in the future development of Information Technology.



Sachin Kalyani.
7th SEM

ABOUT MECHANICAL ENGINEERING

Mechanical engineering is a diverse subject that derives its breadth from the need to design and manufacture everything from small individual parts and devices (e.g., microscale sensors and inkjet printer nozzles) to large systems (e.g., spacecraft and machine tools). The role of a mechanical engineer is to take a product from an idea to the marketplace. Mechanical engineering deals with anything that moves, including the human body, a very complex machine. Mechanical engineers learn about materials, solid and fluid mechanics, thermodynamics, heat transfer, control, instrumentation, design, and manufacturing to understand mechanical systems. Specialized mechanical engineering subjects include biomechanics, cartilage-tissue engineering, energy conversion, laser-assisted materials processing, combustion, MEMS, microfluidic devices, fracture mechanics, nanomechanics, mechanisms, micropower generation, tribology (friction and wear), and vibrations.



ENIFFER.P.S / 3rd sem



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