

About Mechanical Engineering:

Mechanical engineering is the combination of laws of physics and mathematics principles with materials science to design, analyses and manufacture . It is one of the oldest and vast engineering branch . Mechanical Engineers play a vital role in various industries such as power energy transformation, medical, computers, aerospace and automobiles etc. This requires them to have an understanding of the environment that any product or machine used in daily life or its parts, will have to encounter, thereby designing them accordingly keeping in mind factors like durability, aesthetics, and functionality. Graduates with mechanical engineering, one can find job in various government and private sector companies. Mechanical engineers also start their own business in field of production ,maintenance and machine and their part .

Mechanical engineers are able to design and manufacture everything from small parts to large machine parts like gears & turbines . Engineers take a product from binging to finish and design for aesthetics, functionality, and durability. Examples of products that mechanical engineers can design and develop are: Train engine , engine parts , aircraft engines , automatic systems , pulley & chain drives, measurement tools; sensors, thermal and hydraulic turbines, wind turbines, fuel cells; compressors, pump, robots, and machine tools etc.

Laboratories :

- Material Testing
- I.C. Engine
- Kinematics and Mechanisms
- Refrigeration & Air Conditioning
- Mechanical Vibration
- CAD Lab
- Fluid Mechanics Lab
- CNC LAB
- Fluid Machinery Lab etc.



MECHANICAL ENGINEERING

UNIVERSITY INSTITUTE OF
ENGINEERING & TECHNOLOGY
(SCHOOL OF ENGINEERING AND TECHNOLOGY)

CSJM UNIVERSITY, KANPUR



About the Department:

Department of Mechanical Engineering was established in 1996. It is currently offering and Undergraduate programme of B.Tech. in Mechanical Engineering with an intake of 66 students. The Department has well equipped laboratory and research facilities to cater to the need of UG Program. Department also extends Testing and Consultancy work for local industries.

Vision:

To be a centre of excellence in Mechanical Engineering education and research for the benefit of global society and humanity.

Mission:

- To transform our students into employable technologists.
- To educate and train the graduates to contribute in manufacturing and allied sectors.
- To impart multidisciplinary competence to enable the graduates to contribute in higher education, IT and IT enabled services, research and development organisations.
- To prepare the graduates for employability and professionalism by involving experts from commerce, industry and small enterprises.

Courses taught include:

- Kinematics And Mechanism
- Basic Fluid Mechanics & Rate Processes
- Dynamics of Machines & Vibrations
- Design Of Machine Elements
- Computer Aided Manufacturing
- Refrigeration & Air-Conditioning
- Industrial Management
- Production System etc.



Career Opportunities:

1. Mechanical engineers play their role in various sectors such as:

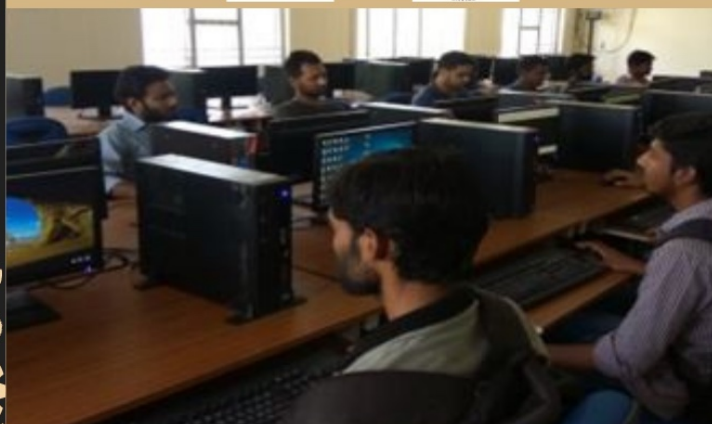
- Product and Process industries
- Automobiles, Heavy engineering
- Oil and Gas, Transportation etc.

2. They pursue many job profiles covering shop floor, quality, design and analysis, R & D, Sales and marketing.

3. Our student can get job in public, Private and government sector.

4. Several students go for higher studies in IITs and NITs.

5. Some Companies students placed are: INDIAN RAILWAYS, NTPC, ISRO, BHEL, BARC, IOCL, ORDINANCE FACTORY, VEDANTA LIMITED, RELIANCE PETROLEUM, ONGC



Faculty:

Quality of Department is very much related to the quality and commitment of the faculty. We have taken great care to select the best available youngsters and well experienced elders as our faculty. They are all hard-working, committed to the task undertaken and willing to learn and acquire knowledge in their respective fields. They are fully conscious of the nobility of the profession of teaching that is why we have absolute faith in them and in their ability to maintain excellence at the campus.

Faculty Qualification:

- Er. Ramendra Singh Niranjana (M.Tech, HBTU Kanpur)
- Er. Ajeet Pratap Singh (M.Tech, AIDU Allahabad)
- Er. Mukesh Kumar Verma (M.Tech, NIT Kurukshetra)
- Er. Yastuti Rao Gautam (M.Tech, MNNIT Allahabad)
- Er. Shishupal Singh (M.Tech, HBTU Kanpur)
- Er. Vikash Katiyar (M.Tech, IIT Kanpur)
- Er. Arpit Srivastava (M.Tech, HBTU Kanpur)
- Er. Ranvir Mukhya (M.Tech, IIT Kharagpur)

For Queries:

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