

M.Tech > Mechanical Engineering



Duration : 2year

Eligibility:

- Bachelor's Degree or equivalent in the relevant field.
- Obtained at least 50% marks (47.75% in case of candidates belonging to reserved category) at the qualifying examination.

Mechanical Engineering is one of the oldest and broadest engineering branches and hence, one of the most preferred one by the engineering aspirants. The branch applies the principles of engineering, physics and material science for the design, analysis, manufacturing and maintenance of mechanical systems. This branch of engineering involves design, production, and operation of machinery.

- Mechanical Engineering is one of the oldest branch in engineering, but it truly relates the saying "Old is Gold". And hence we can say that it is the golden branch of engineering.
- It is also cited as the mother of all engineering disciplines as it links all branches together and imparts base for all engineering education.
- Mechanical Engineering involves designing, development, production and use of mechanical tools to solve mechanical issues.
- Generally hired by manufacturing industries, these engineers have employment opportunity in both private and public sectors.
- Government sectors like Defense, PWD, Post and Telegraphs, and CPWD also hire these engineers. They also have equal opportunities outside India.

M.Tech in Mechanical Engineering Information and Requirements

A Mechanical Engineer is generally expected to fulfill the following duties.

- Designing and implementing economical equipment modifications to improve safety and reliability.
- Creating project specifications with team mates.
- Developing, designing, testing etc.
- Project management
- Monitoring and commissioning plant and systems.

Job Description

Mechanical engineers are hugely demanded in both India and abroad. The growth is ample in this industry, in fact increasing, as more and more people are showing interest in this field. As per a survey report, ample growth is registered in this industry and it is said that **by 2018 Mechanical Engineering will be the highest paid career option.**



Career Prospects:

Earnings

2.34 Lakhs to 30 Lakhs per annum

(Salary data sourced from PayScale.com)

Earnings Details

Mechanical Engineers can work in thermal power industry, gas turbines industry, air conditioning and refrigeration industry, oil and gas exploration and refining industries, agricultural sector, educational sector, aviation companies, shipping industries, aerospace industry, armed forces, pharmaceutical, automobile industry and many others.

Students can also go for a teaching career after mechanical engineering. This will include teaching subjects in mechanical engineering in **top engineering colleges of India**. The pay package is good for professors of this branch of engineering.

Big firms like Siemens, Delhi Metro Rail Corporation Ltd, Bharat Electronics Limited, Chennai Metro Rail Corporation Ltd. and many others hire these engineers.

- Design Engineer
- Machine component designer
- Technical Officer
- Product Manager
- Purchasing Officer
- Sales & Maintenance Engineer.....





Major Recruiting Companies

- ISRO
- BHEL
- NTPC
- OIL/IOCL/BPCL
- NPCIL
- L&T
- Brahmos Aerospace
- Maruti Suzuki
- Tata Motors/Tata Group
- Reliance Group
- Mahindra Group
- Adani Group
- Schlumberger
- General Motors India
- Bajaj Automobiles
- Godrej & Boyce..... many more....