



# VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE

(An Autonomous Institution of Government of Maharashtra)  
MATUNGA, MUMBAI – 400019

## MECHANICAL ENGINEERING DEPARTMENT

### M.TECH MACHINE DESIGN

#### ABOUT VJTI AND MECHANICAL ENGINEERING DEPARTMENT

Veer mata Jijabai Technological Institute (VJTI), Mumbai, established in 1887, is one of India's premier autonomous institutes. Known for its academic excellence, state-of-the-art facilities and strong industry connection.

The Mechanical Engineering Department, one of the oldest and most reputed departments of VJTI, has a rich legacy of innovation, research and producing industry-ready professionals.

#### HIGHLIGHTS OF M.TECH MACHINE DESIGN

##### Industry Relevant Curriculum

Covers advanced topics in Machine Design, Mechanics, Materials, and Design Optimization.

##### Hands-on Learning

Emphasis on design methodologies, simulation tools and experimental validation through projects.

##### Expert Faculty

Learn from experienced faculty with strong academic and industry background.

##### Research & Innovation

Opportunities in cutting-edge research in machine design and allied areas.

##### Industry Collaboration

MoUs and active interaction with leading industries and research organizations.

#### PLACEMENT RECORD

##### Strong Placement Track Record



Our students are placed in core engineering companies, R&D organizations and emerging technology firms.

#### FACILITY

##### Advanced CAD/CAM Lab

High-end software and workstations for design and manufacturing applications.

##### Machine Design Lab

Equipped with universal testing machines, design rigs and measurement instruments.

##### Dynamics of Machines Lab

Study of vibration, balancing and dynamic behavior of mechanical systems.

##### Finite Element Lab

High performance systems for structural analysis and simulation.

##### Metrology & Measurement Lab

Precision measurement equipment for component inspection and quality analysis.



#### WHY VJTI AND MECHANICAL?



135+ YEARS OF EXCELLENCE

Legacy of academic excellence and nation building.



REPUTED & AUTONOMOUS

Consistently ranked among top engineering institutes in India.



HOLISTIC DEVELOPMENT

Focus on technical skills, research, ethics and leadership.



INDUSTRY READY CURRICULUM

Designed to meet evolving industry and global standards.



PRIME LOCATION MUMBAI

In the heart of India's commercial and industrial hub.



STRONG ALUMNI NETWORK

VJTI alumni are leaders and changemakers worldwide.

DESIGN TODAY. ENGINEER TOMORROW.  
LEAD THE FUTURE.



Join M.Tech Machine Design at VJTI and build a future of innovation and impact.