



# VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE

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

## MECHANICAL ENGINEERING DEPARTMENT

### M.TECH ELECTRIC VEHICLE TECHNOLOGY

#### ABOUT VJTI AND MECHANICAL ENGINEERING DEPARTMENT

Veermata 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 ELECTRIC VEHICLE TECHNOLOGY

##### Industry Relevant Curriculum

Focused on EV systems, power electronics, energy storage, thermal management and smart mobility.

##### Hands-on Learning

Practical exposure through well-equipped labs, EV projects and industry case studies.

##### Expert Faculty

Experienced faculty with strong academic and industry background.

##### Research & Innovation

Opportunities in cutting-edge research in EV technologies and sustainable mobility.

##### Industry Collaboration

MoUs and active interaction with leading automotive and technology companies.

#### PLACEMENT RECORD

##### Strong Placement Track Record



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

#### FACILITY

##### EV Powertrain Lab

Study and testing of motors, inverters, transmissions and complete EV powertrain systems.

##### Energy Storage Lab

Battery testing, BMS development and characterization for EV applications.

##### EV Charging Lab

AC & DC charging station test bed and V2G/V2H system evaluation.

##### Simulation & HIL Lab

Advanced simulation, modelling and hardware-in-the-loop for EV systems.

##### Research Facilities

Advanced instrumentation and facilities to support innovation in EV and smart mobility.



#### 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. DRIVE TOMORROW.  
LEAD THE FUTURE.**



Join M.Tech Electric Vehicle Technology at VJTI and be part of the transition towards a smarter, cleaner and connected future.