

VJTI Annual Report 2024 - Computer Engineering



Date: 31-8-2024

Vision

To be a globally recognized leader in engineering education, setting benchmarks for academic excellence and research innovation. We aspire to shape future leaders who drive progress and address the world's complex challenges with cutting-edge solutions. Our commitment is to create a dynamic learning environment that fosters creativity, critical thinking, and societal impact. We aim to integrate sustainable practices and interdisciplinary approaches to prepare our students for the demands of a rapidly evolving world.

Mission

To provide an exceptional educational experience that combines rigorous academic training with practical, hands-on learning. We are dedicated to advancing knowledge through pioneering research and fostering a culture of curiosity and discovery. Our mission is to empower students with the skills, values, and ethical framework needed to excel in their careers and contribute positively to society. We strive to build strong industry and community partnerships that enhance our educational programs and support our mission of excellence and innovation.

History

VJTI Mumbai, established in 1887 as the Victoria Jubilee Technical Institute, has been a trailblazer in India's engineering education, research, and training landscape. Following independence, it was instrumental in the establishment of prestigious institutions like the IITs and RECs, contributing significantly to the nation's technological advancement. In 1997, VJTI underwent a name change to Veermata Jijabai Technological Institute, in tribute to the mother of Chhatrapati Shivaji Maharaj.



Board of Directors

Name	Position
Dr. A. Sharma	Chairman
Dr. B. Patel	Director
Dr. CP. Adhik	CEO
Dr. M. Rathi	Vice Chairman
Dr. S. Rao	Director of Research
Dr. N. Kulkarni	Director of Finance
Dr. T. Singh	Director of Administration
Dr. L. Mehta	Director of Outreach
Dr. J. Rao	Chief Academic Officer
Dr. P. Naik	Chief Operations Officer
Dr. Q. Kumar	Chief Technology Officer
Dr. V. Sinha	Director of Student Affairs
Dr. R. Verma	Director of Alumni Relations
Dr. G. Patel	Director of International Relations

Faculty Records

Name	Department
Prof. C. Kumar	Computer Science
Prof. D. Singh	Electronics
Prof. R. Gupta	Mechanical Engineering
Prof. S. Patel	Civil Engineering
Prof. A. Verma	Chemical Engineering
Prof. T. Sharma	Electrical Engineering
Prof. M. Singh	Engineering Physics
Prof. N. Desai	Engineering Mathematics
Prof. O. Gupta	Engineering Chemistry
Prof. P. Kumar	Information Technology
Prof. R. Patel	Production Engineering
Prof. V. Sharma	Engineering Design
Prof. W. Rao	Data Science



Departments

Department
Computer Science
Electronics
Mechanical Engineering
Civil Engineering
Electrical Engineering
Information Technology
Production Engineering
Engineering Design
Data Science

Publications

Title	Author	Link
Research on AI	Dr. E. Verma	Paper
Advances in Robotics	Prof. F. Jain	Paper
Innovations in Data Science	Prof. A. Kumar	Paper
Machine Learning Techniques	Dr. B. Singh	Paper
Robotics and Automation	Prof. C. Patel	Paper
Advanced Thermal Engineering	Dr. D. Mehta	Paper
Structural Analysis and Design	Prof. E. Shah	Paper
Computational Fluid Dynamics	Dr. F. Rao	Paper
Bioengineering Breakthroughs	Prof. G. Yadav	Paper
Modern Chemical Processes	Dr. H. Patel	Paper
Electronic Circuit Design	Prof. I. Verma	Paper
Advanced Software Engineering	Dr. J. Sharma	Paper
Civil Engineering Innovations	Prof. K. Gupta	Paper
Engineering Mathematics Advances	Dr. L. Desai	Paper
Energy Systems and Management	Prof. M. Shah	Paper
Artificial Intelligence Applications	Dr. N. Jain	Paper
Mechanical Engineering Fundamentals	Prof. O. Kumar	Paper
Environmental Impact Assessments	Dr. P. Rao	Paper
Marine Engineering Technologies	Prof. Q. Nair	Paper
Aerospace Systems and Design	Dr. R. Patel	Paper

Events

Event	Date
Annual Tech Fest	March 15, 2024
Guest Lecture Series	June 10, 2024
Inter-college Robotics Competition	April 20, 2024
National Engineering Conference	July 15, 2024
Student Innovation Showcase	August 5, 2024
Alumni Meet	September 22, 2024
Engineering Workshop Week	October 10-14, 2024
Annual Sports Day	November 3, 2024
Cultural Fest	December 15, 2024
International Guest Speaker Series	January 25, 2024
Research Symposium	February 18, 2024
Career Fair	March 30, 2024
Summer Internship Program	May 1, 2024
Science and Engineering Fair	June 5, 2024
Design Thinking Workshop	July 12, 2024
Technology Transfer Seminar	August 25, 2024
Engineering Design Contest	September 10, 2024
Health and Wellness Week	October 1-7, 2024
International Engineering Day	November 20, 2024
Research and Development Expo	December 22, 2024



Achievements

Achievement Title
VJTI secured the 150 - 200 position in the National Institutional Ranking Framework (NIRF) 2024.
Our Computer Science and Engineering program received reaccreditation from the National Board of Accreditation (NBA).
Awarded ₹5 crore in research grants from the Department of Science and Technology (DST) for innovative research in Artificial Intelligence.
Filed 3 patents for new technologies developed in our Robotics and Mechanical Engineering departments.
Our team won the first prize in the RoboMasters Competition 2024 held in China and secured top positions in the Smart India Hackathon.
Completed the construction of the new Innovation Hub, featuring state-of-the-art laboratories and collaborative spaces.
Achieved a 90% placement rate for the graduating class of 2024, with notable recruiters including JPMC, Citi, Microsoft, Google

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