



# VJTI Annual Report

Year: 2024 Mumbai. Photo: VJTI Mumbai

Date: 5-9-2024

## Vision & Mission

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### Our 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.

### Our 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.

## Our History

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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.

# Our Team

## 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 Name
1	Computer Science
2	Electronics
3	Mechanical Engineering
4	Civil Engineering
5	Electrical Engineering
6	Information Technology
7	Production Engineering
8	Engineering Design
9	Data Science

# Publications

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

Marine Engineering Technologies	Prof. Q. Nair	<a href="#">View Paper</a>
Aerospace Systems and Design	Dr. R. Patel	<a href="#">View Paper</a>

# Events

Event Name	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

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- 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



## Student Achievements

#	Student Name	Achievement
1	Aarti Patel	Won the Gold Medal in International Mathematics Olympiad 2024.
2	Ravi Sharma	Secured the First Place in National Coding Competition 2024.
3	Sneha Desai	Awarded Best Paper Presentation at the International Conference on Renewable Energy.
4	Amit Kumar	Recognized as the Best Student Entrepreneur in the University Start-up Contest.
5	Priya Gupta	Received the National Scholarship for Excellence in Engineering Studies.
6	Nikhil Rathi	Achieved the Best Research Project Award in the Annual Science Fair.
7	Neha Singh	Won the Gold Medal in All-India Debate Competition 2024.





# Extracurricular Activities

#	Activity	Student Name	Description
1	President of the Student Council	Ravi Sharma	Led the student council in organizing campus events and improving student engagement.
2	Founder of Tech Club	Sneha Desai	Initiated and managed various tech workshops and guest lectures for the student body.
3	Editor of the College Magazine	Aarti Patel	Oversaw the publication and content creation for the college magazine.
4	Captain of the College Football Team	Amit Kumar	Led the team to victory in the inter-college football championship.
5	Volunteer at the Annual Science Fair	Priya Gupta	Coordinated with participants and assisted in the smooth execution of the science fair.

6	Coordinator of the Environment Club	Nikhil Rathi	Organized various environmental awareness programs and sustainability initiatives on campus.
7	Head of the Cultural Fest Committee	Neha Singh	Managed the organization and execution of the annual cultural fest.
8	Member of the University Debate Team	Rajesh Verma	Participated in national debate competitions and won accolades for the team.

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