



VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE

(Autonomous Institute of Government of Maharashtra)

MATUNGA, MUMBAI - 400019

ELECTRICAL ENGINEERING DEPARTMENT (EED)

Institute Website: <https://vjti.ac.in/>

Department Webpage: <https://vjti.ac.in/electrical-engineering/>



Courses Offered:

B.Tech in Electrical Engineering (Intake- 60)

M.Tech in Electrical Engineering- **Integrated Power Systems** (Intake- 25)

M.Tech in Electrical Engineering- **Embedded Control Systems** (Intake- 25)

Ph.D. in Electrical Engineering

Expert Areas:

- Non-Linear and Linear System Modelling
- Power System Stability, Control and Fault Analysis
- Grid Connected Converter and Microgrid design simulation
- Embedded Systems and Control
- Electromagnetic Field Analysis
- High Voltage Engineering
- Machine Learning Applications in Engineering
- Temporal Data Study and modelling
- Generative AI-Transformer Architecture

LABORATORIES

- Electrical Machines & Drives Lab
- High Voltage Lab
- Simulation Lab
- E-MC² Lab
- Controls Lab
- Electrical Workshop
- Measurement and Instrumentation Lab
- Electrical Circuits Lab
- Power Electronics Lab
- Basic Electrical and Electronics Lab



SIEMENS – AICTE HIGH VOLTAGE LAB

INDUSTRY MOUs

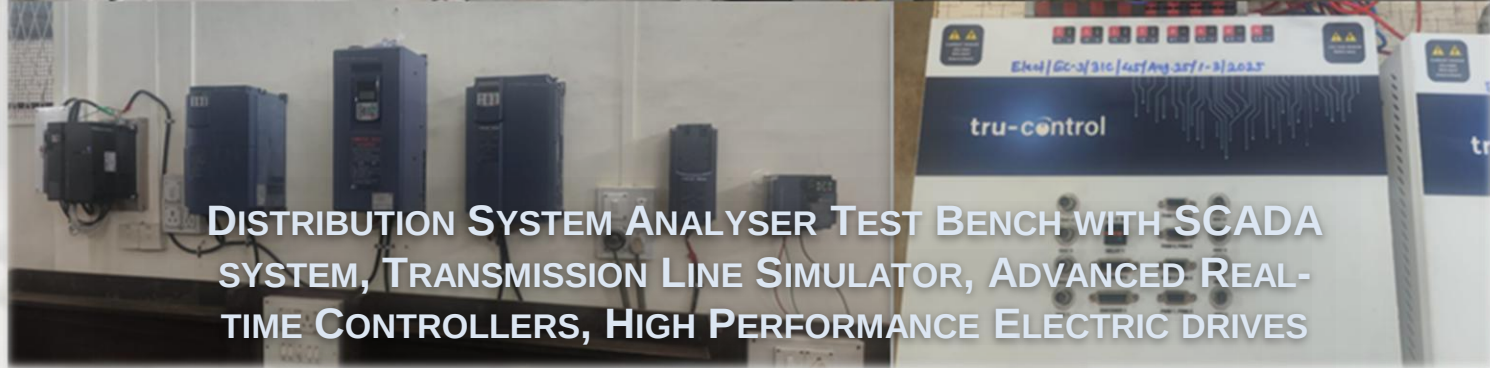
- International Gemological Institute Pvt. Ltd.
- Savex Technologies.
- Motwane and Test Data Technologies India Pvt. Ltd.



DISTRIBUTION SYSTEM ANALYSER TEST BENCH WITH SCADA SYSTEM, TRANSMISSION LINE SIMULATOR, ADVANCED REAL-TIME CONTROLLERS, HIGH PERFORMANCE ELECTRIC DRIVES

ACADEMIC MOUs

- Binghamton University, New York, USA.
- University of Sannio, Italy.



STUDENT ACHIEVEMENTS

- Final Year Student Received **Best Paper Award** at the **IEMTRONICS 2026 Conference**, Imperial College London, UK, for research on a wearable exoskeleton for human arm kinematic data acquisition.
- Two UG students Awarded the **VJTI Alumni Scholarships**.
- Final Year Student Received the **OPJEM National Scholarship** sponsored by the **Jindal Group**.
- Final Year Student Awarded the **Late Smt. Lalitha Rao and Shri M. R. Bhimrao Scholarship**.
- Third Year Student Received the prestigious **Siemens Scholarship**.



E-MC² Lab

RESEARCH FACILITIES

Typhoon HIL, dSpace, DIgSILENT, COMSOL Multiphysics, PIC EM Simulator, FPGA, MATLAB, Tiny ML-Adriano Nano, etc.



TOP RECRUITERS

