



# Veermata Jijabai Technological Institute

MATUNGA, MUMBAI

## **ELECTRICAL ENGINEERING DEPARTMENT**

### **M.Tech (Electronics)**

#### **PROGRAM EDUCATIONAL OBJECTIVES**

- ✓ To provide students with a solid foundation in mathematical, scientific and engineering fundamentals required to formulate, analyze & solve engineering problems related to Electronics Engineering.
- ✓ Students to succeed in employment, profession and/or to pursue research education in Electronics Engineering.
- ✓ Students to exhibit knowledge for innovate, create and design electronic engineering systems.
- ✓ To inculcate in students professional and ethical attitude, effective communication skills and teamwork to become a successful professional in global perspective.

#### **PROGRAM OUTCOMES (POs)**

**At the end of Post Graduate Program, students will have**

- ✓ Sufficient knowledge of mathematics, science and Electronics Engineering and able to apply this knowledge for modelling and solving Electronics Engineering problems using the techniques, skills and modern Electronics Engineering tools necessary for engineering practice.
- ✓ An ability to design, develop and test electronics systems in the areas related to analog and digital electronics, signal processing, embedded systems and VLSI design.
- ✓ Ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.
- ✓ An understanding of professional and ethical responsibility and able to communicate effectively.
- ✓ Be aware of current good practices of electrical & electronic engineering for sustainable development.
- ✓ Ability to communicate effectively as an individual and in group.
- ✓ Be aware that a professional engineer work have social, culture, global and environmental ramification.