



DEPARTMENT OF TEXTILE ENGINEERING

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

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



2 YEARS · FULL TIME

M. Tech in Technical Textiles

PROGRAM HIGHLIGHTS

Core areas covered across the two-year curriculum

- ◆ Substrates for Technical Textiles
- ◆ Bioprocessing of Smart Textiles & Clothing
- ◆ Multifunctional & Multiuse Intelligent Textiles
- ◆ Technical Textiles for Infrastructure, Agriculture & Automotive sector
- ◆ Protective textile for extreme Environment
- ◆ Manufacturing of Technical Work wear
- ◆ Assembly & Fabrication of Technical Textiles
- ◆ Technology of Converted & Made ups for Technical Textiles
- ◆ Environmental safeguards for Technical Textiles
- ◆ Sustainable Processes for Technical Textiles

FACILITIES

What the department puts behind every student

- ◆ PG hostel facility
- ◆ Experienced, qualified & mentoring faculty
- ◆ Designed to empower the next generation Technical textiles skills
- ◆ State of the art labs augmented with **10 CR grant received under NTTM**
- ◆ Opportunity to innovate & collaborate



TECHNICAL TEXTILES AT WORK

INFRASTRUCTURE / AGRICULTURE / AUTOMOTIVE / PROTECTIVE / MEDICAL / GEOSYNTHETICS



THRUST RESEARCH AREAS

Where dissertations, patents and consultancy work happen

- ◆ FRCs & Green Composites
- ◆ Thermoregulatory Fabrics
- ◆ Electrically conductive Textiles Eco-friendly Multifunctional Finishes
- ◆ Medical & Therapeutic textiles
- ◆ Thermal insulation materials
- ◆ Smart Materials
- ◆ Sustainable Processing Techniques
- ◆ Nanotechnology applications in textiles 3D
- ◆ Fabric development
- ◆ Design modification of textile machinery
- ◆ Non-woven and Geosynthetics



SUSTAINABLE FUNCTIONAL FINISHES



FRC & GREEN COMPOSITE



SMART MATERIALS & NANOTECHNOLOGY

RECENT POSTGRADUATE PLACEMENTS Where our PG graduates are working



VJTI-MUMBAI

VEERMATA JIJABAI
TECHNOLOGICAL INSTITUTE
(AUTONOMOUS INSTITUTE OF
GOVT. OF MAHARASHTRA)
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