

PROTO TYPE CAPABILITIES

PILOT CAPABILITIES

- Needle Punching
- Thermal Bonding
- Through Air Bonding
- Dip Coating
- Knife - on Roll Coating



COMMERCIAL CAPABILITIES

- Wipes Converting
- Coir Mat Production
- Hot Melt Coating & Lamination



[Contact: manufacturing.int@gapps.psgtech.ac.in](mailto:manufacturing.int@gapps.psgtech.ac.in)

TRAINING PROGRAM CAPABILITIES



- Training program for students (Textile / Non-Textile)
- Customized training programs
- Guest Lectures on selected technical textile topics
- Workshops for Industry people
- Seminar & Conferences

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CONTACT

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INTRODUCTION

PSG College of Technology established in 1951, is one of the many educational institutions nurtured by PSG & Sons charities Trust. The college is government aided, AICTE approved Autonomous institution affiliated by Anna University, Chennai and ISO 9001 certified. Equipped with the latest facilities and excellent Infrastructure, the college offers a total of 48 full time programmes in Engineering, Technology, Management and Science at UG, PG and Doctorial levels. The Departments of Textile Technology and Automobile Engineering of PSG College of Technology are sanctioned with COE in Industrial / Home Textiles by Ministry of Textiles under Technology Mission on Technical Textiles (TMTT) scheme to promote the field of Technical Textiles in India. This facility is coming up on a sprawling campus in Neelambur, Coimbatore. The term 'Industrial Textiles' refers to a subgroup of a wider category of Technical Textiles, referring specifically to those textile products used in the course of manufacturing operations.

VISION

To be a dynamic, competitive and world class "Center of Excellence" for Industrial textiles research dedicated the aspirations of the Indian technical textile Industry.

MISSION

- To have Resource Center
- To provide Consultancy
- To provide Pilot Facility
- Support BIS for development of Test Standards
- To setup Testing Capabilities
- To conduct Training & Workshop
- To establish Incubation Center

PRODUCT FOCUS



FILTRATION & SEPARATION

- Air Filters
- Liquid Filters
- Battery Separators

INSULATIVE MATERIALS

- Acoustical Products
- Thermal Insulation
- Gasket Materials

GREEN CONCEPTS

- Floor Mats
- Coir Mattress
- Mulch Mats
- Coir Particle Board
- Coir Plant pots

CLEANING SOLUTIONS

- Industrial Wipes
- Oil Sorbents
- Cleaning Products

COATED & LAMINATED TEXTILES

- Hot Melt Laminates
- Aprons / Belts
- Abrasives
- Tents / Tarpaulins
- Nano Materials / Coatings

SPECIALITY PRODUCTS

- Wall Coverings
- Mattress Protectors
- EMI Shielding
- Paper Machine Clothing
- Aplix Materials

Contact: productdevelopment.int@gapps.psgtech.ac.in

TESTING CAPABILITIES

FILTER TESTING

- Filter Test Rig for Fuel
- Filter Test Rig for Oil
- Porosity Measurement
- Air Permeability

INSULATION TESTING

- Impedance for Sound Absorption
- Thermal Resistivity Tester
- Electrical Surface Resistivity Tester

FIRE TESTING

- Vertical Flame Test
- Horizontal Flame Test
- Inclined Flame Test
- LOI

CHEMICAL TESTING

- FTIR
- pH meter
- UV Spectroscopy
- Laundrometer
- Viscometer

SURFACE CHARACTERISTICS TESTING

- Process Tensiometer
- Wet Scrub Abrasion
- Martindale Abrasion
- Taber Abrasion Tester

ANALYTICAL TESTING

- FSEM • DSC • XRD
- UV Accelerated Weatherometer
- UV Transmittance Analyzer
- Hydrostatic Head
- Fogging

PHYSICAL TESTING

- Tensile tester - 100 kN
- Tensile tester - 10 kN
- Tear Strength Tester
- Weighing Balance
- Thickness Tester
- Spray Rating
- Burst Strength Tester
- Stiffness Tester



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