

Department of Textile Engineering

Sr. No.	Name of Research Centre	Total Seat	No. of Students Presently Registered	Total vacancy	No. of Students Completed PhD
1	Textile Engineering Department	18	01 ongoing	Nil	03 as per (Earline) last approval

Sr. No.	Name of Supervisor	Thrust Area
1	Dr. G. Kakad	Fabric Engineering, Technical Textiles.
2	Dr. S. K. Soni	Textile Engineering Chemical processing comfort properties
3	Dr. A. R. Rathod	Yarn Engineering Technical Textiles

Research Facilities (Textile Engineering Department)

Our department provides state of the art laboratories, software tools, and workshops to support PhD level research, industrial consultancy, and advanced training.

Textile Engineering Research Lab

- The Textile Engineering Research Lab is a state-of-the-art facility dedicated to advancing the field of textile engineering through innovative research and development. Our lab is equipped with cutting-edge equipment and staffed by a team of experienced researchers and engineers.

Research Areas:

- - Textile Materials: Development of new textile materials, including fibers, yarns, and fabrics.
- - Textile Processing: Optimization of textile processing techniques, including spinning, weaving, and finishing.
- - Textile Testing and Characterization: Analysis of textile properties, including strength, durability, and comfort.
- - Sustainable Textiles: Development of sustainable textile technologies and processes.

Facilities:

- - Textile testing equipment: High volume instruments (HVI) testing machine, abrasion tester, and pilling tester, etc.
- - Microscopy and imaging: High resolution microscope and optical microscope.
- - Fabric simulation and modeling: Computer-aided design (CAD) software and simulation tools.
- - Chemical processing
- Laboratory dyeing machines, matching cabinets, colour fastness testers.

Research Projects:

- - Development of sustainable textile fibers from natural resources.
- - Optimization of textile processing techniques for energy efficiency.
- - Investigation of textile performance in extreme environments.

Collaborations:

- - Industry partners: Collaboration with textile manufacturers and suppliers to develop new products and processes.
- - Academic institutions: Partnerships with universities and research institutions to advance textile engineering research.
- Our research lab is committed to advancing the field of textile engineering and contributing to the development of innovative textile products and technologies.

Details of Scholars Awarded PhD

Sr. No	Name of Scholars	Name of Supervisor	Topic of Research	Caste	Year of Registration	Year of Award of PhD	Registration Number
1	Dr. G. Kakad	Dr. A. W. Kolhatkar	“Investigation of Various Fiber, Yarn & Fabric Parameters Influencing Total Appearance Value Of Worsted Suiting Fabric”	OBC	2011	31th October 2018	SGBAU/Ph.D./Text. Engg/3/2011, w.e.f. 15/01/2011, File No. : 4295.
2	Dr. S. K. Soni	Dr. A. W. Kolhatkar	“Evaluation of Handle Properties of Denim Fabric By Subjective And Objective Methods “,	Open	2011	31th October 2018	SGBAU/Ph.D./Text. Engg/2/2011, w.e.f. 15/01/2011, File No. : 4294.
3	Dr. A. R. Rathod	Dr. A. W. Kolhatkar	Investigation of Factors Influencing Ultraviolet Protection of Bamboo Fabric & Prediction of Its Degradation From Ultraviolet Radiation”,	VJNT	2011	31th October 2018	SGBAU/Ph.D./Text. Engg/1/2011, w.e.f. 15/01/2011, File No. : 4293.

• Details of Ongoing PhD Scholars

Sr. No	Name of Scholars	Name of Supervisor	Topic of Research	Caste	Year of Registration	Registration Number
1	Prof. P.S. Rahagdale	Dr. A. W. Kolhatkar	Development of Textile Based Composites for Electromagnetic Shielding Applications	Open	2013	SGBAU/Ph.D./Text. Engg./5524/2013, w.e.f. 15/01/13, File No. : 5524.