

GUJARAT TECHNOLOGICAL UNIVERSITY

DIPLOMA IN TEXTILE PROCESSING TECHNOLOGY

SEMESTER: 4

Subject Name TECHNOLOGY OF BLEACHING & FINISHING-II

Sr.No	Course content
1.	INTRODUCTION TO TEXTILE FINISHING 1.1 Objects of Textile Finishing. 1.2 Classification of Textile Finishing. 1.3 Basic principles of various finishes.
2	MECHANICAL FINISHES 2.1 Creeping, Mechanical Softening, Drying and Heat-Setting Process for Textiles. Machineries for these different processes 2.2 Sanforizing process i.e. Zero Zero Finish.(Anti-shrink process/Shrink proof process) 2.3 Principles of calendaring and its various machines. 2.4 Study of mechanical finishes of knitted fabrics.
3	CHEMICAL FINISHES 3.1 Low wet pickup finishing solution application methods such as Expression method, Foam finishing technique, Kiss roll or Lick roll technique and loop transfer technique. 3.2 Delustring, Stiffening, softening, water repellency, water proofing flame proofing, flame retardancy, Antipilling, Antistatic, Moth proofing, Mildew proofing, soil release and soil repellent finishes. 3.3 Resin finishes like Crease resistant finish, wash & wear finish and Durable press finish.
4	RECENT DEVELOPMENTS IN FINISHING 4.1 Preparation and finishing of polyester micro fibres. 4.2 Damping, Raising, Peach finish, Teflon finish and Inter lining finish. 4.3 Eco-friendly and Bio Finishing technique. 4.4 Application of plasma and nano technology in Textile Finishing Such as U.V. protection, Flame retardant finish, Antistatic finish, Lotus effect, Antimicrobial finishes. 4.5 Garment finishing specially on Denim. 4.6 Continuous Bleaching Technology

Reference Books:

Sr. No.	Name of Books	Authors
1.	Textile Finishing	J. T. Marsh
2.	Textile Finishing	A. J. Hall
3.	Cloths care	John
4.	A Glimpse of chemical processing of Textiles	R. R. Chakrabarty
5.	Technology of Finishing (Vol. – X)	V. A. Shenai
6.	Textile Finishing	R. S. Prayag