



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
Shri Vaishnav Institute of Textile Technology
Choice Based Credit System (CBCS) in Light of NEP-2020
Generic Elective for UG Courses
(2021-2025)

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME									
			THEORY			PRACTICAL			L	T	P	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
BTTX901	GE	GARMENT CARE AND FINISHING	60	20	20	-	-	3	0	0	3	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit.

***Teacher Assessment** shall be based following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

Course Educational Objectives (CEOs):

1. To provide the requirements of water softness for garment processing .
2. To gain knowledge about laundry equipment used in industries.
3. To provide the knowledge of garment finishing and its machines.

Course Outcomes (COs):

Students will be able:

1. To select the water according to its softness at different processing.
2. To supervise the requirement and need of laundry.
3. To install and suggest the finishing machines for garments.
4. To remove the various types of stains from the garment without damaging it.

UNIT I Garment Processing & Visual Effects

10HRS

Water –soft water –hard water – methods of softening water. Garment dyeing, dye selection, garment-dyeing machinery, Washing: Stone washing, acid washing, enzyme washing, bio polishing, mercerization, bleaching, laser fading and ozone fading.

UNIT II Processing Chemicals Study and Types of Finishing

8 HRS

Study of laundry equipment and reagents , soaps , detergents, cleaning action of soaps, study of modern and industrial cleaning agents. Finishing; Optical brightening, mercerization, liquid ammonia treatment, stiffening, softening, crease resistant and crease retentive finish, anti-static finish, anti-bacterial finish, water proofing, flame proofing, soil release finish, mildew and moth Proofing.

UNIT III Garment finishing Equipments

7HRS

Study of garment finishing room equipments, steam iron, steam busters , vacuum ironing tables ,form finishing equipments , trouser toppler, shirt press, collar/cuff press, form finisher for jackets and coats, study of boiler and related equipment for finishing room. Fusing machines for interlinings.

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UNIT-IV Stain Removal Methods

10HRS

Principles of laundering stain removal various solvents for stain removing blood, tea, rust, oil/grease etc. Different methods of washing-application of friction by hand rubbing-scrubbing-tumble wash.

UNIT V Garment Washing & Drying Methods

10HRS

Stain removal - Oil, colour matter, chemicals. Use of care labels and standards/ norms for care labels. Garment laundering equipments and procedures. Study of different types of household/ industrial washing machines-rotary-swirling-pressure-tumble washes etc

References:

1. Fundamentals of Textile and their care by Dantyagi S., Oriental long mans Ltd, New Delhi, 1980.
2. House hold Textiles & laundry work by Denlkar, Atma Ram & Sons, Delhi, 1993.
3. Garment Dyeing: Ready to wear fashion from the dye house by Harrison. P (Editor), The Textile Institute, U.K. 1988.
4. Fabric Care by Noemia D'Souza. ,New Age International(P) Ltd.Publisher, Chennai, 1998.
5. An Introduction to Textile Finishing by Marsh, J.T., Chapman and Hall Ltd., London, 1979.
6. Technology of Textile Finishing by Shenai, V.A., Sevak Publications, Bombay, 1995.
7. Textile Finishing by Hall, A. J., Elsevier Publishing Co. Ltd., 1986.

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