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*				
VUTX201	VC	APPAREL MANUFACTURING TECHNOLOGY	0	0	0	60	40	0	0	8	4

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 Objective (CEOs):
1. To introduce textile technology.
2. To provide knowledge and skills for apparel manufacturing.

Course Outcomes (Cos):
Students will be able:
1. To understand textile technology.
2. To prepare the pattern of garments and understand the size measurement.
3. To understand the spreading, cutting, finishing, and pressing.
4. To manufacture a complete garment using the proper sewing machine, stitch, seam needle, and threads.
5. To apply skills for attachment of accessories.

SYLLABUS

Unit I Introduction to Textile Technology
- Introduction to textile fibers and classification.
- Process of yarn manufacturing, yarn number systems.
- Methods of fabric construction- weaving and knitting and Basic weaves.
- Dyeing, preparatory process, dying methods, Printing- block, tie-dye, etc.
- Introduction of general testing of yarn and fabric.

Unit II Apparel Industry and Pattern Making
- Introduction to apparel industry – History, growth, product categories.
- Types of samples and collection of samples and garment production flow
- Size chart- Measurement and size charts for men, women, and children -requirement and breakdown of the garment flow process. Fabric estimation for different garments.
- Basic principles of pattern making, measurement, tools, workroom terms & definitions, and grading.
- Marker Planning -the importance of maker, methods of laying pattern

Chairperson	Chairperson	Controller of Examination	Registrar
Board of Studies	Faculty of Studies	Shri Vaishnav Vidyapeeth	Shri Vaishnav Vidyapeeth
Shri Vaishnav Vidyapeeth	Shri Vaishnav Vidyapeeth	Vishwavidyalaya, Indore	Vishwavidyalaya, Indore
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- Draft of basic bodice pattern, block, and dart application.

Unit III Spreading and Cutting
- Inspection & control,
- Methods of spreading, Type of spreading machine
- Object & types of cutting machines/ tools & their application
- Methods of bundling – ticketing
- Role of fabric checker

Unit IV Seam and Stitches
- Sewing room – Types, application of different types of stitches & seams and their application,
- Introduction to sewing machine parts and their functions, sewing & pattern tools, types of garment machines and their application, interlock, lockstitch, Bartech, etc., and machine maintenance.
- Machine attachments - folders, binders, edge guides, right angle double fold binders, lap seam folders, yoke setter, flat stitching guide, sewing arm stitching guide, cylindrical stitching guides.
- Types of needles and their application, ticket number, thread packages, seam performance, SPI.
- Role of Supervisor

Unit V Accessories attachment and finishing
- Accessories attachments – button, lace, etc.
- Finishing room- Finishing equipment and their applications, Defects, and remedies. Quality control, trimmings, methods of pressing, labeling, folding, and different types of packing.
- Fusing - Introduction, Methods of fusing, Base cloth, resins, coating system, fusing machine and equipment.

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- Role of garment checker.

References:
1. Technology of clothing manufacture - Carr & Latham
2. Apparel manufacturers handbook - Jacob Solinger
3. Pattern making for fashion design – H. G. Armstrong
4. Metric pattern cutting - Winifred Aldrich
5. Pattern making made easy - Gollian Holman