

PET TFT SYLLABUS

S.No.	Contents	Weightage
1.	Polymer Fibre Science and Fabric Structures	15%
1.1.	Polymer Sources: Natural/Manmade/Synthetic and their features	
1.2.	Fibre Production: Cultivation/Synthesis & Processing	
1.3.	Types/ Varieties of Textiles	
1.4.	Fibre Properties and Uses- Minor and Major Fibres	
1.5.	Woven, Knitted and Nonwoven structures: characteristics, properties and applications	
1.6.	Technical Textiles and its sectors	
1.7.	Quality Assurance of Fibres, Yarns and Fabrics	
1.8.	Laundry Care – Dry and Wet, Equipments and Auxiliaries required	
1.9.	Recent Developments in Fibres and Fabric Structures	
2.	Textile Processing and Finishing	15%
2.1.	Theory of Colour	
2.2.	Dyes and Pigments Classification and application	
2.3.	Dyeing and Printing styles, methods and techniques	
2.4.	Physical Finishes	
2.5.	Chemical Finishes	
2.6.	Eco finishes and recent developments	
2.7.	Technological advancements in Coloration including CAD in printing	
2.8.	Quality Assurance of Coloration and Finishes	
3	Clothing and Garment Production Technology	15%
3.1.	Pattern Drafting Systems, Displacements, Concealments, Pleats, Gathers etc- Manual and CAD	
3.2.	Grading systems- Manual and CAD	
3.3.	Marker planning and cutting- Manual and CAM	
3.4.	Sewing machines and various features for garment finishing, embroidery, surface ornamentation- Manual and CAD, CAM	

3.5.	Garment accessories such as threads, buttons, interlinings etc	
3.6.	Garment Construction methods, types of seam finishes	
3.7.	Draping basics for Garment Construction	
3.8.	Finishing equipment	
3.9.	Quality Assurance in Garment Production	
3.10.	Recent developments	
4	Historic Textile Crafts and Costumes	15%
4.1	Indian Traditional Woven Textiles	
4.2	Indian Traditional Printed Textiles	
4.3	Indian Traditional Painted Textiles	
4.4	Indian Traditional Embroidered Textiles	
4.5	Indian Traditional Costumes- Statewise/Regionwise	
4.6	World Historic Textiles- through centuries and regions	
4.7	World Historic Costumes- through centuries and regions	
5.	Fashion/Apparel/Accessory Design and Product Development	15%
5.1	Fashion Illustration and Rendering- Manual and CAD	
5.2.	Inspiration, Mood boards, Design Boards, Technical Boards- Manual & CAD	
5.3	Trend Forecasting and Analysis- Global Sustainability Trends	
5.4	Design Development Process	
5.5.	Prototype Preparation & Design Development	
5.6.	Portfolio Making and Documentation	
5.7.	Fashion photography and creative presentations	
5.8.	Fashion designers and Fashion brands- Indian and International	
5.9	Costume Styling- Theatre, Films, Serials, Casual, Occassions	
6	Textile and Fashion Marketing and Merchandising	15%
6.1.	Merchandising planning/systems and business plans	
6.2.	Market research	
6.3.	Supply chain management	

6.4.	Market segmentation	
6.5.	Costing and pricing systems and strategies	
6.6.	Retail business and consumerism	
6.7.	Fashion business and media communication- Fashion Shows, Exhibition etc	
6.8.	Technology for Merchandizing and Marketing	
6.9	Online /Digital Marketing	
7	Management of Textile and Fashion Industry	10%
7.1.	Resource Management and Systems Appraisal	
7.2.	Human Resource Management	
7.3.	Information Technology Management	
7.4.	Finance Management	
7.5.	Entrepreneurship: skills, resource utilization and start-ups	
7.6.	Innovation in Sustainable Textile from Fibre to Fashion/Product- Management of Idea to Venture	
7.7.	Intellectual property rights: Business ethics, copyrights, trademarks, patents, geographical indication system.	