

# GUJARAT TECHNOLOGICAL UNIVERSITY

## B. E. SEMESTER: V

### TEXTILE TECHNOLOGY

Subject Name: **Textile Manufacturing Processes (Institute Elective-II)**

Subject Code: **152905**

Teaching Scheme				Evaluation Scheme		
Theory	Tutorial	Practical	Total	University Exam (Theory) (E)	Mid Sem Exam (Theory) (M)	Practical (I)
4	0	2	6	70	30	50

Sr. No.	Course content
1.	<b>Yarn Manufacturing Processes:</b> Ring frame, Rotor spinning, Dref spinning and air-jet spinning systems, Comparison of yarn properties produced by above systems.
2.	<b>Fabric Manufacturing Processes:</b> Woven, Non-woven & knitted fabrics.
3.	Garment manufacturing processes.
4.	<b>Different Weft Insertion Methods:</b> Shuttle, Air-jet, Water jet, Sulzer, Rapier.
5.	Recent developments.

#### **Practical:**

Based as per the syllabus prescribed.

#### **Term Work:**

This shall consist of record of practical work done during practical and recorded in the journal.

#### **Reference Books:**

1. Cotton spinning, Ahmedabad Textile Association.
2. Elements of practical cotton spinning, T. K. Pattabhiram & others.
3. New spinning systems Vol.-V –W. Klein.
4. Plain Loom Motions by Aswani.
5. Weaving machine, mechanism and management, Talukdar & Ajaonkar.

