

# GUJARAT TECHNOLOGICAL UNIVERSITY

## B.E Semester: 3 Textile Technology

Subject Code 132903  
Subject Name Weaving-I

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Sr.No	Course contents
1.	<p>Winding</p> <p>(a) Warp Winders: Central idea of development of Winding Machines Precision Winding; Tension Control; Slub Catchers; Study of Automatic Winders such as Barber &amp; Auto-corner, Winding faults &amp; remedies.</p> <p>(b) Pirn Winders: Need for Pirn Winding; Brief outline of non-automatic pirn winders; Study of automatic pirn commonly used. Modern developments in winding.</p>
2.	<p>Plain Loom : Basic Weaving Mechanism such as shedding; picking &amp; beating Shuttle and shuttle boxes; shuttle flight control; Slay movement; General idea of tappet design; Secondary motion. negative let off motion, brake motion; weft fork stop motion etc. Heads &amp; reeds &amp; Temples. Timings &amp; Settings of plain looms. Simple cloth faults and their remedies.</p>

### Reference Books:

1. Principles of weaving by Marks & Robinson, Textile Institute
2. Plain Loom Motions by Aswani
3. Woven Fabric Production Part I, NCUTE publication
4. Yarn Preparation Vol. I by Sengupta