

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E Semester: 4

Textile Production

Subject Code 142803

Subject Name Yarn Preparation & Weaving

Sr.No	Course contents
1.	Winding : Warp Winding Machines, Weft Winding Machines, Conventional & Modern Machines.
2.	Warping : Beam Warping Machines
3.	Slow Speed Warping
4.	High Speed Warping
5.	Modern Warping
6.	Sizing : Sizing Machines
7.	Two Cylinder Sizing
8.	Multi Cylinder sizing
9.	Preparation of Size Recipes for coTPon, blended & Synthetic Material.
10.	Sectional Warping Machines : Old & Modern Machines
11.	Plain Power Looms : Primary, Secondary & Auxiliary Motors.
12.	Introduction to Different Dobbies & Jacquards.
13.	Introduction to Different texurising Processes.

Reference Books:

1. Textile Wap Sizing – Sydel
2. Winding / Warping & Sizing / Loom Shed – BTRA
3. Weaving Productivity Standards & Methods of Evaluation – BTRA
4. Preventive Maintenance Of Sizing Machines – BTRA
5. CoTPon Warp Sizing Hand Book – Houghton
6. Plain Weaving Motions – Aswini
7. Fancy Weaving Mechanisms – Aswini
8. Mechanisms Of Weaving – Fox
9. Weaving Mechanisms Vol. I & Vol. II – Banerjee
10. A Guide To Crimping / Texturising Technology - MANTRA