

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E Semester: 4 Textile Technology

Subject Code 142902
Subject Name Weaving II

Sr.No	Course contents
1.	Double lift dobbies: Negative dobbies; Cross border dobbies; Positive dobbies; Timings and Settings of dobbies; Introduction of Electronics dobby.
2.	Multiple box motions. Pick-at will motions. Planning for box chains.
3.	Beam and Sectional Warping process and mechanisms; High Speed Warping; Super speed warping; Planning for coloured warp; Modern developments in warping.
4.	Sizing Machines; Preparation of size mixture for various Yarn and cloth requirements. Modern Controls, beam to beam sizing m/c, creel to beam sizing m/c, Filament sizing m/c, Single End Filament sizing; Modern developments in sizing.
5.	Methods of drawing in knotting machines for warp.

Reference Books:

1. Weaving machine, mechanism and management – Talukdar & Ajgonkar.
2. Yarn Preparation (Volume I & II) – R. Sen Gupta.
Process Control in Sizing – Paliwal, Kimoti & Subramanian. (ATIRA)