

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E Semester: 3 Textile Technology

Subject Code 132902
Subject Name Yarn Manufacturing-I

Sr.No	Course contents
1.	General idea of Ginning & Baling Processes, Characteristics of bales and importance of contaminations..
2.	Objects of Mixing; Methods of Mixing; Different types of conventional feeders; openers & cleaners; Use of air currents for cleaning & Transportation; Blow Room sequence for different cotton & manmade fibres; Construction & working of machines for single process Blow Room, Modern openers & cleaners.
3.	Principles & objects of carding; construction of working of revolving flat card; card clothing and its effect on sliver quality.,mounting; Grinding & stripping with integrated grinding system., card settings; High Production Cards. Card waste and importance of suction hood for waste optimization at card
4.	Recent developments, all modern attachment like pre and post carding elements etc, Tandem Card-Chute feeding system-Auto levelers at card.
5.	Common defects and remedies in product delivered at each machine.
6.	Calculations pertaining to machines dealt with above.
7.	Maintenance of machines.

Reference Books:

1. A practical guide to opening and carding- W .klein.
2. Spun yarn technology, volume I, Blow room processes - A.Ventasubramani.
3. Spun yarn technology, volume II, carding - A.Ventasubramani.