

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. Semester: I

M.E. TEXTILE ENGINEERING

Subject Name: **Modern Spinning Technology (Inter disciplinary Elective-I)**

Sr.No	Course content
1.	Introduction:- of modern spinning technology - Open end spinning, Dref spinning, Airjet spinning
2.	Open end spinning:- Principals of rotor spinning and basic mechanism of rotor spinning, yarn properties and advantages and limitation.
3.	Dref spinning: - Principals of Dref spinning and basic mechanisms of Dref-II and Dref-III spinning. Yarn properties, advantages and limitations.
4.	Airjet spinning: - Principals of Airjet spinning and basic mechanism of Airjet spinning. Yarn properties and advantages and limitation.
5.	Modern developments in spinning: - With specific reference to latest developments by Rieter and Trutzschler

Reference Books:

1. The Textile Institute Publication - Manual of Textile Technology – Short Staple Spinning Series
Vol.V – New spinning systems by W. Klein.
2. New Spinning Systems-NCUTE Publications by R.V.Mahendra Gowda