III Year B.Tech. Textile Technology - I - Semester	L	T	P	To	C
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TT 331 TEXTILE TESTING– I LAB

Course Description & Objectives:

This objective of this course is to understand practical concepts of different testing methods for fibres and yarns.

Course Outcomes:

1. *Students will able to perform basic testing of fibres and yarns.*
2. *The student will observe various fibre and yarn properties practically*

LIST OF EXPERIMENTS

1. Identification of textile fibers under microscope (Demonstration).
2. Determination of fiber maturity by NaOH swelling method and differential dyeing techniques.
3. Determination of fiber length by Bear Sorter and Interpretations by other methods.
4. Determination of fiber fineness by ATIRA fineness tester.
5. Determination of fiber strength by Stelometer.
6. Determination of yarn count by Beesley's yarn balance.
7. Determination of yarn count by Wrap reel.
8. Determination of single and plied yarn twists.
9. Determination of moisture content of cotton material.
10. Determination of Single Yarn Strength.
11. Determination of CSP and CCSP of Yarns
12. Determination of Regain of different fibers.
13. Determination of ginning percentage.
14. Determination of fiber length by Hallo and Butterfly Method.