

Faculty of Technology
B. Tech. Textile Technology
(R 2017) Semester – III
TT8361 FIBRE SCIENCE LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Microscope	1		
2.	Weighing balance	1		
3.	Conditioning Chamber	1		

Faculty of Technology
B. Tech. Textile Technology
(R 2017) Semester – III
TT8311 YARN MANUFACTURE LABORATORY I
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Ginning Machine	1		
2.	Blow room Machinery	1		
3.	Carding machine	1		
4.	Drawing machine	1		
5.	Comber preparatory and combing machines	1		
6.	Roving machine	1		

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(R 2017) Semester – III
EE8362 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	D. C. Motor Generator Set	2		
2.	D.C. Shunt Motor	2		
3.	Single Phase Induction Motor	2		
4.	Ammeter A.C and D.C	20		
5.	Voltmeters A.C and D.C	20		
6.	Watt meters LPF and UPF	12		
7.	Resistors & Breadboards (Necessary Quantities)	20		
8.	Cathode Ray Oscilloscopes	4		
9.	Dual Regulated power supplies	6		
10.	A.C. Signal Generators	4		
11.	Communication system demonstration kits	2		
12.	Modulation and demodulation demo kits	2		
13.	ADC and DAC circuit demo kits	2		

Faculty of Technology
B. Tech. Textile Technology
(R 2017) Semester – IV
TT8411 YARN MANUFACTURE LABORATORY II
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Carding machine	1		
2.	Drawing machine	1		
3.	Roving machine	1		
4.	Ring frame	1		
5.	Rotor spinning machine	1		

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B. Tech. Textile Technology
(R 2017) Semester – IV
TT8461 FABRIC MANUFACTURE LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Cone / Cheese winding machine	1		
2.	Pirn winding machine	1		
3.	Sizing chemicals (Consumables)	1		
4.	Loom with tappet shedding	1		
5.	Loom with doobby shedding	1		
6.	Loom with jacquard	1		
7.	Loom with dropbox	1		
8.	Shuttleless loom	1		

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(R 2017) Semester – V
TT8561 FABRIC ANALYSIS LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	GSM Cutter	3		
2.	Beesley Balance	2		
3.	Crimp Tester	2		
4.	Electronic balance	1		

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B. Tech. Textile Technology
(R 2017) Semester – VI
TT8681 TEXTILE CHEMICAL PROCESSING LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Stainless vats (500 ml)	30		
2.	Water bath	2		
3.	Stirrer	1		
4.	Steam ager	1		
5.	Pilot padding mangle	1		
6.	HHP Beaker dyeing machine	1		
7.	Pilot curing chamber	1		
8.	Fastness tester for Washing, Light, Perspiration & Rubbing	1		
9.	Printing table	1		
10.	Spectrophotometer	1		

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(R 2017) Semester – VI
TT8611 KNITTING AND GARMENT CONSTRUCTION LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Circular knitting machine: Plain	1		
2.	rib	1		
3.	interlock	1		
4.	Single Needle Lock stitch machine	15		
5.	Button hole machine	1		
6.	Button attaching machine	1		
7.	Feed off arm machine	1		
8.	Flat lock Machine	1		

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(R 2017) Semester – VI
FT8661 TEXTILE QUALITY EVALUATION LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Baer Sorter	1		
2.	Fibre Bundle strength tester	1		
3.	Fibre Fineness tester	1		
4.	Trash Analyser	1		
5.	Projection Microscope	1		
6.	Wrap Reel	1		
7.	Wrap Block	1		
8.	Yarn Twist Tester	1		
9.	Single Yarn Strength Tester	1		
10.	Bundle yarn strength tester	1		
11.	Ballistic Tester	1		
12.	Yarn Unevenness tester	1		
13.	Weighing balance	1		
14.	Yarn appearance Board Winder	1		
15.	Yarn appearance Board (Standards)	1		

16.	Fabric tensile strength tester	1		
17.	Fabric tearing strength tester	1		
18.	Fabric Thickness Tester	1		
19.	Fabric Stiffness Tester	1		
20.	Fabric Crease Recovery Tester	1		
21.	Fabric Bursting Strength Tester	1		
22.	Fabric Abrasion Resistance Tester	1		
23.	Fabric Pilling resistance tester	1		
24.	Fabric air permeability tester	1		
25.	Fabric Drape meter	1		