

## 10. RESOURCE REQUIREMENT

### 10.1 Physical Resources

#### 10.1.1 Space Requirement

The total space for lecture halls, tutorial rooms and drawing hall/studio may be worked out as per latest AICTE norms

#### 10.1.2 Equipment Requirement

Sr. No.	Details of Equipment	Quantity
<b>A) DRAFTING AND PATTERN MAKING WORKSHOP</b>		
1.	Drafting tables (3' X 2½' X 1 mt) with soft Worsen Top	30
2.	Drafting squares (Graduated)	15
3.	Full size mirror – 6 ft. x 4 ft.	LS
4.	Scissors 5", 9", 12" (blade size)	2 each
5.	Pattern punching machine	01
6.	Dress forms	16
	Children (size 4) = 4	
	Ladies (size 10) = 5 (3 with sleeve, 2 without sleeve)	
	(size 12) = 5 (3 with sleeve, 2 without sleeve)	
	(size 14) = 2 (1 with sleeve, 1 without sleeve)	
	(size 16) = 2 (1 with sleeve, 1 without sleeve)	
	Mens = 5	
7.	Pinking shears 10" blade	06
8.	Miscellaneous equipment: Tailors art curves, measuring tapes, meter scales, thimbles, tracing wheel, readymade patterns, notcher	6 Sets

Sr. No.	Details of Equipment	Quantity
<b>B) CONSTRUCTION LABORATORY</b>		
1.	Sewing Machine (Industrial Machines) (Juki/Brother make)	30
2.	Cutting Tables with felt top (2.5 mt x 1.5 mt x 1 mt)	04
3.	Over lock machine: (Juki/Brother) Motorized 5 Thread	02
4.	Ironing boards and sleeve boards	02 each
5.	Flat Lock (Juki/Brother)	02
<b>C) INDUSTRIAL MACHINE WORKSHOP</b>		
1.	Button Hole Machine (Motorized)	01
2.	Eyelet Button Hole Machine	01
3.	Button Stitch Machine	01
4.	Double needle lock stitch machine	01
5.	Steam Iron with Boiler (work station)	02
6.	Electric cutter (Straight knife 8" blade, round Blade) Eastman	01 each
7.	Flat bed – Fusing machine	01
8.	Notcher	01
9.	Rivet Attaching Machine	01
10.	Drilling Machine	01
11.	Manual Spreading machine	01
12.	Attachments-piping ,edge guide, folders etc	LS
13.	Embroidery frames	LS

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Sr. No.	Details of Equipment	Qty
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**D) COMPUTER LABORATORY**

1.	PC Computer	30
2.	Laser Printer and inkjet printer	01
3.	Software: XP Windows, MS Office, latest version Coral Draw, Adobe Photoshop, Web Camera, Digital Camera (8.7 Mega pixle/Auto Zoom)	LS

\* A printer sharing unit may be used to switch the printer between computers

**E) CAD LABORATORY**

Set of digitizer and scanner

Software: Lectra/GGT/Tuka technology and any other available software (purchase any one) (Technical Institutes are given special concession for purchase of certain software as these are used for training purpose)

**F) TEXTILE TESTING LABORATORY**

1.	Projection Microscope (Magnification upto 1500 times)	02
2.	Magnifying Glass (Mounted in stainless steel with handle)	20
3.	Spirit Lamps (125 ml)	15
4.	Basin	6
5.	Pick Counting Glass (1" x 1/2" x 1/4")	20
6.	Electronic Weighing Balance (0.001-200 gm) (Electronic)	01
7.	Crockometer	01
8.	Miscellaneous Items for Testing and Analysis	LS

(Test tubes, Test tube holders, Test tube stands, Wooden spoons, Enamel Bowls, Tube, Buckets, Chemicals, Graph Papers, Samples of different fabrics and Yarn of different types)

Sr. No.	Details of Equipment	Qty
9.	Water Bath	01
10.	Laundrometer	01
11.	Printing Table	02
12.	Blocks (Printing)	25
13.	Spectrometer	01
14.	Fabric Inspection Table	01
15.	Gray Scale Set	LS
16.	Breslay's Balance	01
17.	Printing Trays	30
18.	Squeezers	30

**G) DESIGN STUDIO WITH DISPLAY BOARDS**

**10.2 Human Resource Requirement**

Weekly work schedule, annual work schedule, student-teacher ratio for various group and class size, staffing pattern, work load norms, qualifications, experience and job description of teaching staff, workshop staff and other administrative staff may be worked out as per norms and standards laid down by AICTE. The website [www.aicte.ernet.in](http://www.aicte.ernet.in) may be referred for downloading current norms and standards pertaining to technician courses.