

Sr. No	Name of the Module	Course Code	Machine Requirement	Machine to Trainee Ratio		
1.	Embroidery Machine Operator	TC GMT 01	Embroidery Machines	Machine to trainee ratio 1:2		
2.	Fuser & Ironer	TC GMT 02	 Ironing table Steam iron with steam attachment Fusing machine 	 Ironing table - Machine to trainee ratio 1:3 Steam iron with steam attachment - Machine to trainee ratio 1:3 Fusing machine- Machine to trainee ratio 1:10 		
3.	Computer Embroidery Machine Operator	TC GMT 03	Minimum six head computer embroidery machine along with computer and required supporting software	Machine to trainee ratio 1:15		
4.	Garment Checker	TC GMT 04	Inspection table <mark>(minimum size 60X40 inches)</mark>	Machine to trainee ratio 1:5		
5.	CAD Operator	TC GMT 05	 Computer set with CAD software Digitizing board Printers / plotters 	 Computer set with CAD software – Machine to trainee ratio 1:15 Digitizing board – Machine to trainee 		
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		TEXTILI	ES COMMITTEE		
		Infrastructure Requirements – Machine to Trainee ratio		RESOURCE SUPPORT AGENCY under Samarth	
				ratio1:30 3. Printers / plotters – Machine to trainee ratio 1:30	
6.	Sewing Machine Operator	TC GMT 06	 Industrial Sewing M Buttonhole and but machines for demo purpose: 		
7.	Pattern Maker	TC GMT 07	Table for Pattern Making (minimum size 60X40 incl	Machine to Trainee ratio 1:5	
8.	Fabric Checker	TC GMT 08	 Checking table (minin size 64X40 inches) Fabric inspection made 	1:5 2 Fabric inspection	
9.	Fabric Cutter	TC GMT 09	Cutting machines – straight/bend/circular	Machine to Trainee ratio 1:10	

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Infrastructure Requirements – Machine to Trainee ratio

10.	Overlock & Flatlock Machine Operator	TC GMT 10	 Overlock Stitching machines with accessories Flatlock Stitching machines with accessories 	Machine to Trainee ratio 1:4	
11.	Sewing Machine Mechanic	TC GMT 11	Sewing machine, Over lock machine, Flat lock machine, Feed of the arm machine, Bartack machine, Button stitch machine, Button hole machine	Machine to Trainee ratio 1:10 (for respective machines)	
12.	Circular Knitting Machine Operator	TC KNT 01	Circular Knitting Machine	Machine to trainee ratio 1:10	
13.	Warp Knitting Machine Operator	TC KNT 02	Warp Knitting Machine	Machine to trainee ratio 1:15	
14.	Knitting Machine Operator – Flat Bed Knitting	TSC/Q4102	Flat Bed Knitting Machine	Machine to trainee ratio 1:15	
15.	HTHP Cheese Dyeing Machine Operator	TC PRC 01	 HT-HP Cheese Dyeing machine One crane for shifting bobbin carrier Hydro extractor (Desirable) 	 HT-HP Cheese Dyeing machine:- Machine to Trainee ratio 1:15 Hydro extractor (Desirable):- Machine to Trainee ratio 1:30 	
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Infrastructure Requirements – Machine to Trainee ratio

16.	Singeing Machine Operator	TC PRC 02	Fabric Singeing Machine	Machine to trainee ratio 1:30
17.	Desizing Machine Operator	TC PRC 03	Fabric Desizing Machine	Machine to trainee ratio 1:30
18.	Continuous Bleaching Range Machine Operator	TC PRC 04	Continuous Bleaching Range	Machine to trainee ratio 1:30
19.	Mercerizing Machine Operator	TC PRC 05	Fabric Mercerizing Machine	Machine to trainee ratio 1:30
20.	Jigger Machine Operator	TC PRC 06	Jigger Machine of any type like Jumbo or hooded etc	Machine to trainee ratio 1:30
21.	Stenter Machine Operator	TC PRC 07	Stenter Machine	Machine to trainee ratio 1:30
22.	Calendering Machine Operator	TC PRC 08	Calendering Machine	Machine to trainee ratio 1:30
23.	Zero Zero Finishing Machine Operator	TC PRC 09	Zero Zero Finishing Machine	Machine to trainee ratio 1:30
24.	Winch Dyeing Machine Operator	TC PRC 10	Winch Dyeing Machine	Machine to trainee ratio 1:30
25.	Soft Flow Dyeing Machine Operator	TC PRC 11	Soft Flow Dyeing Machine	Machine to trainee ratio 1:30

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Infrastructure Requirements – Machine to Trainee ratio

26.	Compacting Machine Operator	TC PRC 12	Compacting Machine	Machine to trainee ratio 1:30
27.	Washing Operator (DENIM)	TC PRC 13	Washing Machine, Hydroextractor, Drier, Work station fitted with pant leg shaped strong wooden flat, Design pattern made up of rubber material, Compressed air with pressure, Work station Mounted Horizontal to the surface level - Fitted with Two M.S.pipe, each pipe per leg of the Jeans pant and both end of each pipe covered by the Rubber tube / sheet & tighten by suitable clamping. complete set is attached to the semi-rotary mechanism, Grinding Machine, Grinding wheel, Tacking Machine/Hand Tacking gun, Pressure tank for spraying, fitted with pressure indicator & Regulator.	Machine to trainee ratio 1:30

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Infrastructure Requirements – Machine to Trainee ratio

28.	Handloom Weaver (Frame Loom)	TC HLM 01	Handloom Machine	Machine to Trainee ratio 1:5
29.	Hand Dyeing Operator	TC HLM 02	Dye Bath/Dyeing Vat and burners	Machine to Trainee ratio 1:5
30.	Hand Block Printing	TC HLM 03	In case of production units existing facility of blocks and printing table and in case of other Training Institutes printing table with blocks of different design and suitable no. of washers and boiler for steaming	Machine to Trainee ratio 1:4
31.	Dobby Handloom Weaver	TC HLM 04	Dobby Handloom	Machine to Trainee ratio 1:5
32.	Jacquard Handloom Weaver	TC HLM 05	Jacquard handloom	Machine to Trainee ratio 1:5
33.	Electroplating and Effluent Treatment	TC MET 01	 Buffering, Grinding & Polishing machine Electro plating relevant line tanks Effluent Treatment plant 	 Buffering, Grinding & Polishing machine (Machine to Trainee ratio 1:10) Electro plating relevant line tanks (Machine to Trainee ratio 1:4) Effluent Treatment plant

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TEXTILES COMMITTEE	
Infrastructure Requirements – Machine to Trainee ratio	RESOURCE SUPPORT AGENCY under Samarth

34.	Basic Art of Engraving	TC MET 02	Engraving equipments [Working Table (Tripod Stand), Engraving Kalam and Hammers]	Machine to Trainee ratio 1:1
35.	Lacquering and Painting	TC MET 03	 Buffering, Grinding & Polishing machine Degreasing machine Spray booth Spray Gun Oven with backing Fresh Air System/Compressor 	 Buffering, Grinding & Polishing machine (Machine to Trainee ratio 1:10) Degreasing machine (Machine to Trainee ratio 1:30) Spray booth (Machine to Trainee ratio 1:30) Spray Gun (Machine to Trainee ratio 1:30) Oven with backing (Machine to Trainee ratio 1:30) Fresh Air System/Compressor (Machine to Trainee ratio 1:30)
36.	Packaging	TC MET 04	Packaging machine (Sealing Equipments,Strapping equipments,	Machine to Trainee ratio 1:30

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TEXTILES COMMITTEE	
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			wrapping machine, coding and labeling equipment)	
37.	Powder Coating	TC MET 05	 Pre treatment line of tanks for Phosphating / chromating Dryer Oven Spray booth Powder Spray Gun Curing Oven with backing Fresh Air System/Compressor 	 Pre treatment line of tanks for Phosphating / chromating (Machine to Trainee ratio 1:4) Dryer Oven (Machine to Trainee ratio 1:30) Spray booth (Machine to Trainee ratio 1:30) Spray booth (Machine to Trainee ratio 1:30) Powder Spray Gun (Machine to Trainee ratio 1:30) Curing Oven with backing (Machine to Trainee ratio 1:30) Fresh Air System/Compressor (Machine to Trainee ratio 1:30)
38.	Quality Control	TC MET 06	Facility of testing lab which comprieses testing equipments like Toxic Metal testing, drop tester, moisture meter and corrosion	Machine to Trainee ratio 1:30

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39.			Resistance testing, Salt Spray unit, etc Computer system installed with	
	Computer Aided Design	TC MET 07	CAD software	Machine to Trainee ratio 1:2
40.	Welding and Soldering	TC MET 08	 Welding Machine Soldering Equipments 	 Welding Machine (Machine to Trainee ratio 1:10) Soldering Equipments (Machine to Trainee ratio 1:2)
41.	Carving Artisan - Stonecraft	HCS/Q1502	 Sanding / Buffing Machine Marble Cutting Machine Hand Cutter Machine 	 Sanding / Buffing Machine (Machine to Trainee ratio 1: 10) Marble Cutting Machine (Machine to Trainee ratio 1: 10) Hand Cutter Machine (Machine to Trainee ratio 1: 15)
42.	Inlay Artisan – Stonecraft	HCS/Q1504	Buffing Machine	Machine to Trainee ratio 1: 10
43.	Casting Operator (Metal Handicrafts)	HCS/Q2801	 Furnace Drill Machine 	 Furnace (Machine to Trainee ratio 1: 30) Drill Machine (Machine to

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Infrastructure Requirements – Machine to Trainee ratio

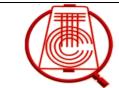
				Trainee ratio 1: 15)
44.	Stamping Operator (Metal Handicrafts)	HCS/Q2802	Stamping Machine	Machine to Trainee ratio 1: 10
45.	Sakhta Saaz (Paper Mache)	HCS/Q4401	 Putty Mixer Hand Grinder Compressor Machine 	 Putty Mixer (Machine to Trainee ratio 1: 10) Hand Grinder (Machine to Trainee ratio 1: 5) Compressor Machine (Machine to Trainee ratio 1: 30)
46.	Engraving/Carving/Etching Assistant	HCS/Q7001	Trimming Tool	Machine to Trainee ratio 1: 2
47.	Traditional Hand Embroiderer	HCS/Q7301	 Embroidery Frame/Hoops (round and square) Sewing Machine Embroidery Machine Design / Cutting Machine 	 Embroidery Frame/Hoops (round and square) (Machine to Trainee ratio 1: 1) Sewing Machine (Machine to Trainee ratio 1: 6) Embroidery Machine (Machine to Trainee ratio 1: 6) Design / Cutting Machine (Machine to Trainee ratio 1: 6)

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Infrastructure Requirements – Machine to Trainee ratio

48.	Hand Crochet Lace Maker	HCS/Q7703	Lace Making /Crochet tools	Machine to Trainee ratio 1: 1	
49.	Master Crochet Lace Maker	HCS/Q7704	Sewing Machine	Machine to Trainee ratio 1: 4	
50.	Crochet Lace Tailor	HCS/Q7705	Tailoring (Sewing) Machine	Machine to Trainee ratio 1: 4	
51.	Bamboo Mat Weaver	HCS/Q8702	 Stick / Slitting / Splitting Machine Hand saw 	 Stick / Slitting / Splitting Machine (Machine to Trainee ratio 1:10) Hand saw (Machine to Trainee ratio 1:4) 	
52.	Bamboo Basket Maker	HCS/Q8704	 Bamboo splitting tools Hand saw 	 Bamboo splitting tools (Machine to Trainee ratio 1: 3) Hand saw (Machine to Trainee ratio 1: 4) 	
53.	Bamboo Utility Handicrafts Assembler	HCS/Q8705	 Hand saw / zig saw Circular saw Bamboo shaver saw Bamboo splitter 	 Hand saw / zig saw (Machine to Trainee ratio 1: 4) Circular saw (Machine to Trainee ratio 1: 10) Bamboo shaver saw (Machine to Trainee ratio 1: 4) Bamboo splitter (Machine to 	
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				Trainee ratio 1: 4)	
54.	Handloom Weaver (Carpets)	HCS/Q5412	Carpet Handloom Machine	Machine to Trainee ratio 1:5	
55.	Carpet Weaver (Knotted)	HCS/Q5701	Carpet Knotted Machine	Machine to Trainee ratio 1:5	
56.	Carpet Weaver (Tufted)	HCS/Q5702	Carpet Tufting Machine	Machine to Trainee ratio 1:5	
57.	Jute Selector cum Assorter	TSC/Q0107	 Jute Spreader Machine (Desirable) with other equipments Jute Softener Machine (Desirable) with other equipments 	Machine to Trainee ratio 1:30	
58.	Jute Carding Operator	TSC/Q0108	 Jute Breaker carding Machine with other equipments Jute Finisher Carding Machine with other equipments 	Machine to Trainee ratio 1:30	
59.	Jute Spinning Sardar (Jobber) cum Jr. Supervisor	TSC/Q0204	Jute Spinning Frame Machines	Machine to Trainee ratio 1:30	
60.	Jute Weft Winding Operator	TSC/Q0304	Any of Jute weft winding machine and/or any of Cop winding Machine	Machine to Trainee ratio 1:30	

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			in working condition	
61.	Jute Beaming Operator	TSC/Q2104	Beaming and Sizing Machine	Machine to Trainee ratio 1:30
62.	Automatic Shuttle Loom Operator	TSC/Q2201	Any shuttle loom fitted with weavers beam in working condition.	Machine to Trainee ratio 1:10
63.	Shuttle-Less Loom Weaver – Projectile	TSC/Q2202	Projectile Shuttleless loom fitted with weavers beam in working condition.	Machine to Trainee ratio 1:10

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