

General Information for Apparel Pattern Making & CAD

Name of Sector	Garment
Name of Module	Apparel Pattern Making & CAD
MES Code	GAR 805
Competency as per NCO Code	After completion of the course the candidate would have the technical skills in Pattern Making and can work as a Assistant Pattern Master, CAD Operator or Sampling Coordinator.
Duration of Course	1040 Hrs
Entry Qualification of Trainee	12 th Pass
Unit Size	20
Power Norms	7 kw
Space Norms – Work Shop - Class Room Room	
Instructors Qualification	1. Graduate in Apparel related subject or 3 years Diploma in Costume Design & Dress Making/Fashion Technology from recognized Institute with 2 years of Experience in the field
Desirable Qualification	1. Craft Instructor Certificate in any trade of garment Sector

• Practical Competencies	Under pinning Knowledge (Theory)
<ul style="list-style-type: none"> • Practice Health & Safety – select, use, maintain & store – tools, equipments • & clothing safely • Practice of seams, samples and garment components • Practice of various exercises 	<ul style="list-style-type: none"> • Basic communication skills and building industrial vocabulary • Understanding of work ethics, importance of discipline, health and hygiene • Safety precautions in garment industry

<p>on Industrial sewing machine using different work aids and machine attachments</p> <ul style="list-style-type: none"> • Practice of making various basic pattern of Upper & lower manually like body block, skirt block etc. • Practice of making patterns as per Specification Sheet • Practice of manipulate the pattern • Practice of To making various pattern through CAD • Handling different types of fabrics • Identification of common fabrics and flagging • Sample preparation of dyeing and printing methods • Visit to textile/fabric sourcing hub • Practice of different types of seam, plackets, packets, cuffs, collars & neck lines • Operating various specialized industrial machines • Practice of cutting various upper 	<ul style="list-style-type: none"> • Introduction to seams and stitches • Introduction to industrial sewing machines • Importance of work aids and machine attachments • Knowledge of drafting of basic bodice block, sleeve, shirt and trouser block • Development of various styles of collar, sleeves, shirts, cuffs, pockets etc • Knowledge about Textile Manufacturing process, fabric appreciation & Sourcing • Profile and organizational set up of a garment industry • Introduction to garment styles and identification of components and parts • Pre-production planning • Knowledge about spreading techniques and equipment • Cutting equipment and cut-order planning • Marker modes and marker efficiency
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<p>& Lower garments, cutting techniques</p> <ul style="list-style-type: none"> • Construction of complete garments: • top, skirt, shirt, trouser etc. • Practice of pattern making, grading and marker making tools using CAD software • Preparation of mini-marker and development of commercial patterns using digitizer and plotter • Visit to a garment manufacturing unit 	<ul style="list-style-type: none"> • Knowledge about spreading and material handling • Production systems and planning in the sewing room • Fabric consumption & marker making • Understanding of pattern making, grading and marker making tools using CAD software
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TOOLS AND EQUIPMENT FOR A BATCH OF 25 TRAINEES

S No.	Descripti	Quantity
1.	Digital contents for Communication Skills & Personality Development	
2.	Digital contents for health & Hygiene	
3.	Single Needle Lock Stitch Machine	20
4.	Double Needle Lock Stitch Machine	5
5.	Over Lock Machine	2
6.	Button Sewing / Button Hole Machine	2 each
7.	Bobbin & Bobbin Case	20
8.	Seam ripper	20
9.	Scissor 10"	20
10.	Cutting Table	5

11.	Machine Attachments- Binder, Zipper Foot, Bottom Fold	
12.	Pressing Table	5
13.	Steam Press	5
14.	Pick Glass	20
15.	Material for Fabric Dyeing & Printing	
16.	Table Loom	5
17.	Swatch Library	1
18.	Pattern Tables	4
19.	Dummy	5
20.	24" Scale	20
21.	French Curve	20
22.	L-Square Scale	20
23.	Hip Curve	20
24.	Measuring Tape	20
25.	Notcher	5
26.	Tracing Wheel	5
27.	Scissors (paper Cutting)	5
28.	Computer	10
29.	Fabric	30 m each
30.	Interlining	2 m each
31.	Digitizer	1
32.	Plotter	1
33.	CAD Pattern Making Software	5 keys