

SYLLABUS OF SEMESTER SYSTEM

FOR THE TRADE OF

Fashion Design & Technology

Under

Craftsmen Training Scheme (CTS)

(One year/Two Semesters)

Redesigned in

2014

By

Government of India

Ministry of Labour & Employment (DGE&T)

General Information

1. **Name of the course** : **Fashion Design and Technology**
2. **N.C.O. Code no.** : **(7435.10)**
3. **Duration** : One Year (2 semesters)
4. **Power Norms** : 5 Kw
5. **Space Norms** : 64 sq m (4 Sq.m/trainee)
6. **Entry Qualification** : Passed 10th class examination
7. **Unit Size** : 16 Trainees
8. **Instructor's Qualification** : Degree(4yrs duration) in fashion Designing/Technology
From Recognized university with one year Experience in the relevant field
OR
Degree(3yrs duration) in fashion Designing/Technology from Recognized university with TWO year Experience in the relevant field

OR
Three year Diploma in fashion Designing/Technology/CDDM from (AICTE)
|
with Two Years Experience Or NTC/NAC in Fashion design & technology (earlier name of trade as "fashion technology "with three year experience in relevant field
9. **Desirable Qualification** : Preference will be given to a candidate With Craft Instructors Training certificate (CITS) in Fashion design & technology (earlier name of trade as "fashion technology)

Note: Out of two instructors required for the unit 1+1, one must have Degree/Diploma & other must have NTC/NAC qualification

Objectives of the course:

- To learn appropriate Fashion and Fabric Terminology
- To understand the fashion business.
- To develop and initialize a design vocabulary, an essential tool for practicing as designers.
- To introduce students the rudiments of sketching and its perspectives.
- To introduce students to garment making.
- To introduce the various traditional embroideries
- To learn appropriate surface design of fabric.

Learning outcome

After Finishing the course trainees shall be able to work as:

- Assistant Merchandiser Production
- Supervisors
- Sample Coordinators
- Design technician
- Assistant Designer
- Boutique managers

Syllabus For The Trade Of Fashion Design Technology under CTS

FASHION DESIGN and TECHNOLOGY

CTS (SEMESTER –I)

Semester Code: FDT-SEM-I

week no.	Practical :6 hrs	Theory: 2 hrs
1	<ul style="list-style-type: none"> ❖ Identification of Tools & Equipments ❖ Familiarization to Industrial model Lock stitch sewing machine ❖ Basic part and attachment ❖ Functions ❖ Defects and remedies ❖ Needles and threads Practice of sewing and practical exercises on sewing 	<ul style="list-style-type: none"> ❖ Introduction and familiarization with the institute ❖ Importance of safety and general precaution ❖ Safety precautions ❖ Introduction to work ethics, Discipline ❖ ERGONOMICS ❖ Tools & Equipments <ul style="list-style-type: none"> • measuring tools and Techniques • marking tools and Techniques • cutting tools and Techniques • pressing tools and Techniques
2		<ul style="list-style-type: none"> ❖ Introduction to sewing machine & its components ❖ Basic part and attachment and Their applications ❖ Classification of sewing machine, cutting machines, and finishing equipments and their applications ❖ Defects and remedies ❖ Needles ❖ Safe broken Needle disposable Policy. ❖ Threads
3-4	<p>Introduction to Basic hand and Machine stitches(Sample Making)</p> <ul style="list-style-type: none"> ❖ Temporary ❖ Permanent ❖ Decorative stitches(in context to contemporary stitches) <ul style="list-style-type: none"> • Flat Stitches • looped stitches • knotted stitches • crossed stitches ❖ Seams ❖ Seam finishes 	<ul style="list-style-type: none"> ❖ Introduction To Hand Stitching ❖ Introduction to decorative stitches <ul style="list-style-type: none"> • Flat Stitches • looped stitches • knotted stitches • crossed stitches ❖ Introduction To Seams &Seam Finishes <ul style="list-style-type: none"> ❖ Seams ❖ Seam finishes
5-6	<ul style="list-style-type: none"> ❖ Samples of Weaving <ul style="list-style-type: none"> • Plain weave • Twill weave • Satan weave • Basket weave • Sateen weave • Rib weave • Honey comb ❖ knitting Samples ❖ Warp Knits and Weft Knits 	<ul style="list-style-type: none"> ❖ Textile fabric, <ul style="list-style-type: none"> • Meaning and definition of textile fibres • Classification of fibres-natural fibre, manmade fibres • Characteristics/ properties of above mentioned fibres • Identification of textile fibres ❖ yarn construction, <ul style="list-style-type: none"> • Elementary processing of different types of fibre to yarn

		<ul style="list-style-type: none"> • Characteristic of yarn <ul style="list-style-type: none"> ○ twist ○ Size ○ count and count measuring system • Types of yarn- <ul style="list-style-type: none"> ○ Simple ○ Complex • Fabric manufacturing <ul style="list-style-type: none"> ○ Yarn preparation ○ Elementary weaving theory ○ Fabric structure-Woven, Knitted and non-woven <ul style="list-style-type: none"> ❖ Introduction to Dyeing & Printing ❖ Introduction to knitting ❖ Types of Knitted Fabric used in garment industry ❖ Finishes <ul style="list-style-type: none"> • Mechanical • Chemical
7	<ul style="list-style-type: none"> ❖ Prepare sample file and a survey report On Different type of <ul style="list-style-type: none"> • cotton fabric • Synthetic • Woolen • Worsted • Sheer • Silk • Linen • Pile fabrics • Laces • Buttons • Braids • Cords • Fusings ,etc 	<ul style="list-style-type: none"> ❖ Introduction and Identification Of Different type of: <ul style="list-style-type: none"> • cotton fabric • Synthetic • Woolen • Sheer • Silk • Linen • Pile fabrics • Laces • Buttons • Braids • Cords • Fusings ,etc
8	<p>Introducing Fullness(Sample Making)</p> <ul style="list-style-type: none"> • Darts: • Pleats: • Tucks: • Gathers & Shirrs: • Frills • Godets 	<ul style="list-style-type: none"> ❖ Introducing Fullness. <ul style="list-style-type: none"> • Darts: • Pleats: • Tucks: • Gathers & Shirrs • Frills • Godets
9	<p>Sample Making of :</p> <ul style="list-style-type: none"> ❖ Plackets & Openings ❖ Pockets ❖ Facing ❖ Binding 	<p>Introduction to:</p> <ul style="list-style-type: none"> ❖ Plackets and openings: ❖ Pockets ❖ Facing ❖ Binding
10 - 11	<p>Making draft and samples of</p> <ul style="list-style-type: none"> ❖ Sleeves: <ul style="list-style-type: none"> • Plain • Raglan • Magyar • Puff • Bell • Leg o' mutton 	<ul style="list-style-type: none"> ❖ Introduction to measurement <ul style="list-style-type: none"> • ISI Standards of measurements • Relationship of sizes & measurements • methods of measuring body and dress form • Measurement charts.

	<ul style="list-style-type: none"> • Bishop • Petal • Circular • Batwing • Kimono <ul style="list-style-type: none"> ❖ Collars: <ul style="list-style-type: none"> • Peter pan • Shirt • Stand or Chinese • Swinging • Roll • Shawl • Sailor • Tie stand 	<ul style="list-style-type: none"> ❖ Introduction to paper pattern <ul style="list-style-type: none"> • Definition • Types- Flat Pattern and Draped pattern • Importance • Consideration while making paper pattern • Introduction to Bodice Block • Introduction to sleeve block • Introduction to collar • Introduction to skirt block ❖ Introduction To Draping method for apparel Design
12	<ul style="list-style-type: none"> ❖ Sample Making of Fasteners: <ul style="list-style-type: none"> • Buttonholes • Buttons • Frogs • Snaps • Zippers • Hooks and Eyes • Velcro ❖ Sample making of Trimmings 	<ul style="list-style-type: none"> ❖ Theoretical Introduction to ❖ Fasteners ❖ Trimmings ❖ Hems
13	<ul style="list-style-type: none"> ❖ Sample Making of neckline finishes ❖ Sample making of Hems 	<ul style="list-style-type: none"> ❖ Necklines ❖ Edge finishing ❖ Hems
14	<p>Free Hand Sketching of Different Types of Line</p> <ul style="list-style-type: none"> ❖ Line sketches in pencil & ink ❖ Geometric construction of two dimensional geometric shapes and forms 	<ul style="list-style-type: none"> ❖ Brief idea about <ul style="list-style-type: none"> • drawing tools and Techniques materials ❖ Elements of design
15	<ul style="list-style-type: none"> ❖ Prepare chart only(color wheel, color scheme, grey scale, Tints and shades ,gradation) ❖ Female croque(12.5) <ul style="list-style-type: none"> • Block figure • Stick figure 	<ul style="list-style-type: none"> ❖ Introduction to elements and principles of design ❖ Fundamentals and basics of color ❖ Color & color Theories and color scheme ❖ understand concepts of design ❖ textures ,shapes and forms
16	<p>Creation Of Designs Using Elements and principles Of Design in terms of dress(through sketching)</p> <ul style="list-style-type: none"> ❖ Prepare sheets of optical illusions ❖ repeat pattern and composition 	<p>Introduction to :</p> <ul style="list-style-type: none"> ❖ Principles Of Design
17	<ul style="list-style-type: none"> ❖ Drawing Texture ❖ Fabric rendering <ul style="list-style-type: none"> • Plain cotton • Chiffon • Mesh/ net • Tissue • Brocade • Denim • Corduroy • Fabric rendering according to weight, fall and opacity. 	<ul style="list-style-type: none"> ❖ Selection of Dresses according to (age,occasion,climate,personality,age &sex) ❖ Age group relation to design <ul style="list-style-type: none"> • various categories of men's wear ,women's wear,kids wear ❖ Ready Made Garments Industry <ul style="list-style-type: none"> • Introduction • Basis of selection of readymade garment • Merits. • Overview of garment mass

		<p>Production Setup</p> <ul style="list-style-type: none"> ❖ Precaution to be taken while working with different kinds of fabric ❖ Preparation of material before cutting
18-19	<ul style="list-style-type: none"> ❖ Developing Motifs for various Traditional Embroideries ❖ Contemporarization of Various Traditional Motifs 	<ul style="list-style-type: none"> ❖ Motifs (enlargement and reduction) ❖ Sources of design inspiration& conceptualization ❖ optical illusion, ❖ silhouette, ❖ Draping of garment
20	<ul style="list-style-type: none"> ❖ Introduction and designing through Corel Draw ❖ Practice on Tools ❖ Working with Shapes 	<ul style="list-style-type: none"> ❖ Introduction and importance of designing through computers ❖ Use of Corel Draw in Design creation ❖ Tools ❖ Working with Shapes
21	<ul style="list-style-type: none"> ❖ Working with special effects ❖ Creating Fabric Designs ❖ Creating Croqui 	<ul style="list-style-type: none"> ❖ Working with special effects ❖ Creating Fabric Designs ❖ Creating Croqui
22	<ul style="list-style-type: none"> ❖ Rendering & Draping ❖ Accessories Designing 	<ul style="list-style-type: none"> ❖ Rendering & Draping ❖ Accessories Designing
23	<ul style="list-style-type: none"> ❖ Project : Prepare ARTICLES : (ANY ONE) <ul style="list-style-type: none"> • BABY SETS - Toddler Garments • Designer dress using any two elements and two principles of design. 	
24-25	<ul style="list-style-type: none"> ❖ Industrial training (for practical knowledge of working environment of industries) Report to be submitted on practical knowledge attained . 	
26	Revision and examination	

FASHION DESIGN and TECHNOLOGY
CTS(SEMESTER-II(6 months))
Semester Code: FDT-SEM-I

WEEK NO.	Practical : 6 hrs	Theory :2 hrs
1	<ul style="list-style-type: none"> ❖ Revision of 1st semester 	<ul style="list-style-type: none"> ❖ Revision of 1st semester
2-3	<ul style="list-style-type: none"> ❖ Cutting, stitching and finishing of frock ❖ Cutting stitching & finishing of night suit <p>Practice of developing dress pattern from Draping Technique:</p> <ul style="list-style-type: none"> ❖ Basic Bodies (dart and princess line) ❖ Basic Skirt (Straight and circular) ❖ Drafting of ladies block pattern set (bodice sleeve ,skirt and trouser) 	<ul style="list-style-type: none"> ❖ Anatomy (in brief) <ul style="list-style-type: none"> • Joints and muscles • Growth and development • Eight head theory ❖ Types of human figure ❖ Introduction To Kids Pattern,(Drafting, pattern making ,estimation, and layout of the garments) ❖ Child Bodice block and sleeve block with size variation <ul style="list-style-type: none"> ❖ Skirt Block (Children) ❖ Drafting <ul style="list-style-type: none"> • Frock • night suit

4 - 6	<p>Cutting , Stitching and Finishing of</p> <ul style="list-style-type: none"> • ladies Kurta, /kalidar kurta • Salwar, Chudidar and ,Patiala salwar. • Saree <i>Blouse</i> 	<ul style="list-style-type: none"> ❖ Principles of pattern making ❖ Adult Bodice Block #8 ❖ Introduction to dart manipulation ❖ Drafting of <ul style="list-style-type: none"> • ladies kurta • salwar • churidar • skirts • saree – blouse
7	<ul style="list-style-type: none"> ❖ Female Croquis(10.5-12.5), front , $\frac{3}{4}$, half, back view ❖ Male Croquis <ul style="list-style-type: none"> • Casual wear • Formal wear 	<ul style="list-style-type: none"> ❖ FASHION Drawings <ul style="list-style-type: none"> • block • stick • fleshing
8	<ul style="list-style-type: none"> ❖ Sketching of <ul style="list-style-type: none"> • Necklines • Collars • Sleeves • Yokes • Gathers • pleats • Bows and ties • Caps and hats • Pockets • cascades • Belts • Style lines 	<ul style="list-style-type: none"> ❖ Rendering of different type of fabric- <ul style="list-style-type: none"> • Plain • Checks • Dotted • Printed • Stripped • Textured
9	<ul style="list-style-type: none"> ❖ Drape and draw sketches of indo-western ladies wear as per Fashion and style 	<ul style="list-style-type: none"> ❖ Drape and draw 5 sketches of indo-western ladies wear as per Fashion and style ❖ Wardrobe planning <ul style="list-style-type: none"> • How to select and wear the dress • How to select colour and pattern • To develop good taste in clothes • Dressing according to personality ❖ Fashion and style
10-11	<ul style="list-style-type: none"> ❖ Drape and draw in different medium (10 Sketches From each no.) <ul style="list-style-type: none"> • sketches gents wear • casual wear • sports wear • office wear 	<ul style="list-style-type: none"> ❖ Career in fashion <ul style="list-style-type: none"> • Fashion designer • Auxiliary Service in Fashion Design • Fashion Design Technician • Education • industry
12	<ul style="list-style-type: none"> ❖ Draping on dress form: Ladies wear- <ul style="list-style-type: none"> ❖ long dresses ❖ ,basic bodice ❖ basic skirts, 	<ul style="list-style-type: none"> ❖ Draping <ul style="list-style-type: none"> • Principles of draping • Methods of Draping • Draping Techniques • Contour Draping

13	<ul style="list-style-type: none"> ❖ Checking of garment with respect to measurement and stitching, Preparation and designing of ❖ Tech pack ❖ Cost sheet 	<ul style="list-style-type: none"> ❖ Meaning and scope of business ❖ Introduction to Fashion merchandising
14	<ul style="list-style-type: none"> ❖ Introduction To Quality assurance ❖ Quality Management ❖ Textile Testing and product evaluation ❖ Quality Inspection ❖ Care Labeling of apparels 	<ul style="list-style-type: none"> ❖ Care and storage wash care symbols <ul style="list-style-type: none"> • Introduction to Quality control and quality assurance • Stain removal • Immediate repairing
15	<ul style="list-style-type: none"> ❖ Assignment Report based on; <ul style="list-style-type: none"> • fashion trend • trade fairs, • fashion show, • boutique, • garment production unit • Apparel Retail Channels 	<ul style="list-style-type: none"> ❖ Brief knowledge of fashion trend, trade fairs, fashion show, boutique, garment production unit
		<ul style="list-style-type: none"> ❖ Study of fashion Fraternity <ul style="list-style-type: none"> • Leading Fashion Designers • Textile Designers
16-17	<ul style="list-style-type: none"> ❖ Design and creating of fashion accessories <ul style="list-style-type: none"> • head gears • scarf • fashion jewelry • tie and bow • belts • bows • bag and purses • hand gloves 	<ul style="list-style-type: none"> ❖ Introduction to trims and accessories for fashion industry ❖ Fashion accessories <ul style="list-style-type: none"> • head gears • scarf • fashion jewelry • tie and bow • belts • bows • bag and purses • hand gloves
18-20	<p style="text-align: center;">Ready To Wear Collection from slot dresses:</p> <ul style="list-style-type: none"> • Replication • Variations • Creation • Construction 	
21-23	<ul style="list-style-type: none"> ❖ Project work: /or as per latest trend based on Indo western Design – Development client ,material, latest trend research and exploration with one theme. 	
24-25	Industrial training (To experience the industry and markets from a deeper and more complete view point)	
26	Revision and examination	

Note :

- Visit to any garment industry to know how the garment Industry runs.
- Market survey to explore different type of fabrics as per trend & availability& prepare a swatch file.
- Full work should be in the form of file as Pattern Making file, Garment Making File, Fashion Illustration File.

TRADE: FASHION DESIGN TECHNOLOGY
LIST OF TOOLS & EQUIPMENT

Sl. No.	Name of the Article	Quantity (Number)
Sketching Laboratory		
1.	Drawing Table with adjustable top. Desk having facility of keeping tools	17
2.	Revolving Chair with adjustable height & back support	17
3.	Faculty Table & Chair set	01
4.	Storage Almirah	01
5.	Adjustable Set square	17
6.	White Magnetic Board with Felt board & accessories	01
7.	Air Conditioner unit split 2 Ton capacity with Stabilizer	02
8.	Display board	04
9.	Dress forms(dummies) <ul style="list-style-type: none"> • Children • Ladies • Gents 	02 02 02
10.	Tracing table	02
11.	Mannenquins: childrens Ladies gents	02 02 02
Theory Room		
12.	Single desks for trainees with arrangements of keeping Books etc.	16
13.	Revolving Chairs without arms	16
14.	Faculty Table & Chair set	01
15.	Computer set with UPS & multimedia projector	01
16.	White Magnetic Board with Felt board & accessories	01
17.	Display Board	02
18.	Storage Almirah	01
19.	Book Shelf	01
20.	A/C unit split type 2 TR capacity with Stabilizer	As per requirement
Drafting/Cutting /Sewing Room Tools & Equipment		
21.	Scissors 25 cm	17
22.	Pinking Shears	05
23.	Tailors Square	17
24.	Leg Shaper	17
25.	Garment Hangers	17
26.	Screw Driver Set	04
27.	Cart chop	02
28.	Table Sharpener	04
29.	Pressing Table	05
30.	Blanket for padding of Pressing Table	05
31.	Rubber mat (Size as per requirement)	05
32.	Sprayer	05

33.	Waste Bin Big / Small	10
34.	Pattern Punch	05
35.	Pattern Notcher	05
36.	Pattern Hanging Stand	04
37.	Water Tub 60 cm dia	01
38.	Stand for hanging dresses	05
39.	Trial room with 3 side mirrors of size 150 cm X 60 cm each with arrangements of hanging Dresses	01
40.	Electric Automatic steam press	05
41.	Sewing Machine – Single Needle Lock stitch Industrial model	16
42.	Over Lock Machine 3 Thread	01
43.	Pick Glass	05
44.	Zig Zag Multi Purpose Machine	01
45.	Machine attachments	As per requirement
46.	Chairs with low back rest or stools for the machines (one for each machine)	16
47.	Drafting Table	8
48.	Display board covered with glass or acrylic sheet 120*90cm	02
49.	Instructor Table	01
50.	Instructor Chair	02
51.	Steel Almirah 195 X 90 X 60 cm	02
52.	Pigeon hole Almirah 10 lockers & separate locking arrangements for trainees	02
53.	Locks for above pigeon hole	16
54.	Wall Clock	03
55.	Calculator Desk Type	01
56.	White Board with accessories (size as per requirement)	02
57.	Dummy (Lady)	02
58.	Mannequins(lady)	02
59.	Mannequins(Kids)	02
60.	Mannequins(Gents)	02
Computer Laboratory		
61.	Computer with multimedia System (Latest Configuration) with software & UPS (0.5 VA with 15 minute back up)	17
62.	Server system (Latest Configuration) with software	01
63.	LAN Connectivity & Internet facility to the computers	As per requirement
64.	Designing Software Coral Draw Latest Version	02
65.	Antivirus Software	16
66.	Laser Printer color A4	01
67.	Colored laser Printer A3	01
68.	Scanner	01
69.	Computer Table for server	01
70.	Printer Table	02
71.	Table for Scanner	01
72.	White Magnetic Board with Felt board & accessories	01
73.	Display Board	02
74.	Storage Almirah (Size as per requirement)	02

75.	Air Conditioner unit split type 2 Ton capacity with Stabilizer	02
76.	Wall Clock	01
77.	Modular Workstation with chair	16
78.	LCD Projector	01
79.	Vacuum Cleaner	01
80.	Trainer's Table & Chair	01 set
TRAINEES' TOOL KIT FOR 16 TRAINEES + 1 Instructor		
81.	Measuring Tape 150 cm	17
82.	Seam Ripper	17
83.	Thimble	17
84.	Drafting Card Scales(set of six scales)	17
85.	Tailors Square – Plastic	17
86.	French Curve Set of six	17 sets
87.	Thread Cutter	17
88.	Scale plastic 24"	17
89.	Paper Cutter	17
90.	Loop Turner	17
91.	Drafting Pins(set)	17
92.	Drawing Drafting Template Stencil	17
93.	Clutch Pencil	17
94.	Eraser	17
95.	Drawing Pencil (HB,2B,4B,6B)	17 each
96.	Brushes Round(00,1,2,4,6,8)	17 each
97.	Brushes Flat(1/4 inch,1/2 inch,1 inch)	17 each
98.	Color Palate	17
99.	Pencil Crayons(set of 24 colors)	17
100.	Poster Colour (set of 12 colors)	17
101.	Water Colour (Set of 12 colors)	17

Note:

- The quantity of hand Tools may be suitably increased as per the number of supernumeraries admitted in a unit.
- Trainees Tool kit may be treated as consumables in respect of trainees actually completing the course of one year (both the semesters) duration.

Note:

1. Due to the rapid changes in the technologies frequent Modernization of equipments and technologies is necessary.
2. Training Programme for Staff should be organized in the new fields added in the curriculum for the proper implementation of the same.
3. Experts from the Industry may be called for special lectures and demo's as and when required.

Trade testing and certification:

After Completion of the course a trainee will be awarded NCVT certificate of Fashion Design & Technology under CTS .

Further Learning Pathways:

On successful completion of the course trainees can opt for -

- higher qualification under CITS.
- Following MES courses to improve their skill areas –
 - Visual display assistant
 - Apparel Production supervisor
 - Apparel Export Merchandising
 - Production supervisor & quality control.
 - Software application in pattern making