

Syllabus for the trade
of

Fashion Technology

(SEMESTER PATTERN)

Under
CRAFT TRAINING SCHEME

Designed in 2013

by

Government. of India
CENTRAL STAFF TRAINING AND RESEARCH INSTITUTE
Directorate General of Employment & Training
Ministry of Labour & Employment
EN-81, SECTOR – V, SALT LAKE CITY,
Kolkata – 700 091.

List of Members of Trade committee meeting for the trade of “Fashion Technology” held at NVTI, Noida, Dated 16/12/2011

Sl. No.	NAME & DESIGNATION	REPRESENTING ORGANIZATION	REMARK
1.	Ms. Upma Bhatia, Jt. Director of Training/Principal	National Vocational Training Institute for Women, D-1, Sector – 1, Noida – 201301	Chairman
2.	Mr. Rajender Kumar, Jt. Director of Training	Director General of Employment & Training, Sharam Shakti Bhavan, New Delhi	Member
3.	Ms Tulika Kumar	Proprietor, Matt Global, A-33, Sector – 58, Noida 0120-4262350	Member
4.	Ms Ritu Lal, Fashion Designer	Free Launcher	Member
5.	Mr Aseem Kumar, M.D., KAURUB	EXPORTS LTD.	Member
6.	Ms Krishi Sareen, H.O.D	,Footware Design & Development Institute, Sector 24, Noida	Member
7.	Ms Laxmi Rohella	Merchandiser, Flying Fashions, E- 46/3, Okhla Industrial Area, Phase II, New Delhi.	Member
8.	Mr Shiv Kumar, Software consultant,	Optitex India Limited, New Delhi	Member
9.	Ms Neeru	Software Trainer, Optitex India Limited, New Delhi	Member
10.	Ms Anju Bhatia	Viva Jeans, 39, M S Market, CP, New Delhi	Member
11.	Mr Amar Pundir	Manager HR, M/S Creative Clothes, A – 1, Sector – 59, Noida	Member
12.	Ms Tanushree Mitra	Project Manager, M/S Creative Clothes, A – 1, Sector – 59, Noida	Member
13.	Ms Gloria Mary Rose, Training Officer,	NVTI, Noida	Member
14.	Ms Abha Rastogi, Training Officer,	NVTI, Noida	Member
15.	Mr S S Meena, Training Officer,	NVTI, Noida	Member
16.	Ms Sonu Ghiya, Training Officer,	NVTI, Noida	Member
17.	Ms Anju, Training Officer,	RVTI, Jaipur	Member
18.	Ms Bhagya Shree, Training Officer,	RVTI, Panipat	Member
19.	Ms Pragna.H.Ravat Training Officer,	RVTI, Calcutta	Member

List of members attended the Workshop to finalize the syllabi of existing CTS into Semester Pattern held from 6th to 10th May'2013 at CSTARI, Kolkata.

Sl. No.	Name & Designation	Organisation	Remarks
1.	R.N. Bandyopadhyaya, Director	CSTARI, Kolkata-91	Chairman
2.	K. L. Kuli, Joint Director of Training	CSTARI, Kolkata-91	Member
3.	K. Srinivasa Rao, Joint Director of Training	CSTARI, Kolkata-91	Member
4.	L.K. Mukherjee, Deputy Director of Training	CSTARI, Kolkata-91	Member
5.	Ashoke Rarhi, Deputy Director of Training	ATI-EPI, Dehradun	Member
6.	N. Nath, Assistant Director of Training	CSTARI, Kolkata-91	Member
7.	S. Srinivasu, Assistant Director of Training	ATI-EPI, Hyderabad-13	Member
8.	Sharanappa, Assistant Director of Training	ATI-EPI, Hyderabad-13	Member
9.	Ramakrishne Gowda, Assistant Director of Training	FTI, Bangalore	Member
10.	Goutam Das Modak, Assistant Director of Trg./Principal	RVTI, Kolkata-91	Member
11.	Venketesh. Ch. , Principal	Govt. ITI, Dollygunj, Andaman & Nicobar Island	Member
12.	A.K. Ghate, Training Officer	ATI, Mumbai	Member
13.	V.B. Zumbre, Training Officer	ATI, Mumbai	Member
14.	P.M. Radhakrishna pillai, Training Officer	CTI, Chennai-32	Member
15.	A.Jayaraman, Training officer	CTI Chennai-32,	Member
16.	S. Bandyopadhyay, Training Officer	ATI, Kanpur	Member
17.	Suriya Kumari .K , Training Officer	RVTI, Kolkata-91	Member
18.	R.K. Bhattacharyya, Training Officer	RVTI, Trivandrum	Member
19.	Vijay Kumar, Training Officer	ATI, Ludhiana	Member
20.	Anil Kumar, Training Officer	ATI, Ludhiana	Member
21.	Sunil M.K. Training Officer	ATI, Kolkata	Member
22.	Devender, Training Officer	ATI, Kolkata	Member
23.	R. N. Manna, Training Officer	CSTARI, Kolkata-91	Member
24.	Mrs. S. Das, Training Officer	CSTARI, Kolkata-91	Member
25.	Jyoti Balwani, Training Officer	RVTI, Kolkata-91	Member
26.	Pragna H. Ravat, Training Officer	RVTI, Kolkata-91	Member
27.	Sarbojit Neogi, Vocational Instructor	RVTI, Kolkata-91	Member
28.	Nilotpala Saha, Vocational Instructor	I.T.I., Berhampore, Murshidabad, (W.B.)	Member
29.	Vijay Kumar, Data Entry Operator	RVTI, Kolkata-91	Member

General Information

1. **Name of the course** : Fashion Technology
2. **N.C.O. Code no.**
3. **Duration** : One Year (2 semesters)
4. **Power Norms** : 4 Kw
5. **Space Norms** : 56 Sq .mt
6. **Entry Qualification** : Passed 10th class examination
7. **Unit Size** : 16 Trainees
8. **Instructor's/Trainer's Qualification** :
Degree in fashion Designing/Technology from recognized university with one year experience in the relevant field
OR
Three year Diploma in fashion Designing/Technology from a recognized board /Institution.
OR
NTC/NAC in the trade with three years experience in the relevant field
9. **Desirable Qualification** : Preference will be given to a Candidate with Craft Instructor) Certificate (CIC)

Note: At least one Instructor must have Degree/Diploma in Relevant Field

Syllabus For The Trade Of “Fashion Technology” Under C.T.S
DURATION: Six Months

First Semester

Semester Code : FAT : SEM I

Week No.	Trade Practical	Trade Theory
1.	Trade Knowledge <ul style="list-style-type: none"> • Introduction • Scope Importance	Familiarization with the Institute
2.	Trade Knowledge <ul style="list-style-type: none"> • Introduction • Scope Importance	Female Sketch (10.5” &12.5”)-front,back,3/4 &side <ul style="list-style-type: none"> • Block figure • Stick Figure
3.	Female Sketch (10.5” &12.5”)-front,back,3/4 &side <ul style="list-style-type: none"> • Fleshing • Rendering 	Computer Knowledge <ul style="list-style-type: none"> • Introduction • Parts • Connection • Operating System
4.	Developing embroidery samples <ul style="list-style-type: none"> • Flat Stitches • Chain Stitches • Knot stitches 	History of Fashion <ul style="list-style-type: none"> • Importance • Evolution of Fashion • Indian/ International Fashion Designers Basic Embroidery Stitches <ul style="list-style-type: none"> • Introduction • Type • Use • Importance
5.	Developing Elements of design on sheets Lines <ul style="list-style-type: none"> • Straight • Curved • Dotted • Zigzag 	Elements of Design <ul style="list-style-type: none"> • Lines • Dots • Shape • Space • Texture • Color
6.	Developing Elements of design on sheets. <ul style="list-style-type: none"> • Dots • Shape • Space • Texture 	Principles of Design <ul style="list-style-type: none"> • Harmony • Rhythm • Proportion & Scale • Balance • Emphasis

7.	Color <ul style="list-style-type: none"> • Color Wheel • Color Scheme 	Color <ul style="list-style-type: none"> • Color Wheel • Color Scheme • Color psychology
8.	Draping <ul style="list-style-type: none"> • Procedure 	Draping <ul style="list-style-type: none"> • Introduction • Importance • Type and method
9.	Development of Motif <ul style="list-style-type: none"> • Geometrical • Traditional • Floral • Baby print • Enlargement • Copying • Reduction 	Textile Science <ul style="list-style-type: none"> • Introduction to fiber, yarn, • Importance • Yarn count & Yarn twist
10.	Texture <ul style="list-style-type: none"> • Pencil rolling • Leaf • Thumb • Stencil • Block • Fevicol • Fist • Thread pulling • Dabbing 	Fiber <ul style="list-style-type: none"> • Classification • Identification • Properties
11.	Introduction to different mediums (Draping/ Crooqui) <ul style="list-style-type: none"> • Pencil • Stedelar • Water color • Poster color 	Silhouette <ul style="list-style-type: none"> • Introduction • Types
12.	Fabric <ul style="list-style-type: none"> • Weave • Fabric Testing • Color Fastening • Count • Balance • Color Fastening • Shrinkage 	Fabric <ul style="list-style-type: none"> • Type • Weave • Knit • Fabric Testing • Count
13.	Removing of different Stains using chemicals & other materials	Stain Removing <ul style="list-style-type: none"> • Classification • Removing of Stains • Precautions

14.	Fabric rendering (any 10) <ul style="list-style-type: none"> • Plain Cotton • Tissue • Brocade • Denim • Corduroy • Chiffon • Georgette • Striped fabric • Checked fabric • Embossed velvet • Velvet • Suede • Leather Developing samples of Tie & Dye	Information about Safety & First Aid Grain Lines (effect on fabric of grain line)
15.		Tie & Dye <ul style="list-style-type: none"> • Introduction • Type Methods
16.	Element of Garments(drawing) <ul style="list-style-type: none"> • Frills • Gathers • Pleats • Ruffles • Darts • Necklines • Shirring • Quilting • Ruching • Style line • Waistline 	Elements of Garment (Introduction, Type & use) <ul style="list-style-type: none"> • Frills • Gathers • Pleats • Ruffles • Darts • Necklines • Shirring • Quilting • Ruching • Style line • Waistline
17.	<ul style="list-style-type: none"> • Pockets • Plackets • Sleeves • Collar • Cuff 	<ul style="list-style-type: none"> • Pockets • Plackets • Sleeves • Collar • Cuff
18.	<ul style="list-style-type: none"> • Tops • Blouses • Skirt • Jackets • Trousers 	<ul style="list-style-type: none"> • Tops • Blouses • Skirt • Jackets • Trousers

19.	Practice on Industrial Sewing Machine <ul style="list-style-type: none"> • Speed Control • Threading of machine • Sitting Posture – Eye, Hand & Foot coordination. 	Sewing Machine <ul style="list-style-type: none"> • History • Types • Parts • Maintenance
20.	<ul style="list-style-type: none"> • Running on <ul style="list-style-type: none"> ○ Straight lines ○ Square ○ Zig Zag lines ○ Circle ○ Semi Circle 	Sewing machine <ul style="list-style-type: none"> • Attachments • Sitting posture during working • Stitch Formation • Trouble Shooting Needles <ul style="list-style-type: none"> • Types & uses <ul style="list-style-type: none"> ○ Sewing Threads
21.	<ul style="list-style-type: none"> • Practice of making Hand Stitches 	Seams & Hand Stitches <ul style="list-style-type: none"> • Types • Use
22.	<ul style="list-style-type: none"> • Practice of making Seams 	Pattern Making <ul style="list-style-type: none"> • Introduction • Importance • Systems-direct, metric, etc • Tools • Measurements
23.	Elements of garment (stitching) <ul style="list-style-type: none"> • Gathers • Ruching • Ruffles • Frills • Pleats • Darts • Shirring • Quilting 	Drafting & Pattern Making of Pockets, Plackets, Sleeve
24.	<ul style="list-style-type: none"> • Necklines • Plackets • Sleeves • Collar • Cuff • Pockets 	Drafting & Patter Making of Collar, Pleats, Tucks
25.	Project work / Industrial visit (optional)	
26.	Examination	

Syllabus For The Trade Of “Fashion Technology” Under C.T.S
DURATION: Six Months

Second Semester

Semester Code : FAT : SEM II

Week No.	Trade Practical	Trade Theory
1.	Revision of 1 st Semester work	Introduction to the Trade & Job Opportunities
2.	Child Illustration <ul style="list-style-type: none"> • Crooqui • Block • Stick figure • Fleshing of Figure <ul style="list-style-type: none"> ○ Toddler ○ Teenager ○ Child 	Study of Size chart for Children Drafting of Childs Bodice Block
3.	Pattern Making & Stitching Of Block. Testing of Block, Alteration in Block & Final Block Making.	Study of Size Chart for Ladies Drafting of Ladies Bodies Block
4.	Practice of working with Excel	Computer Knowledge <ul style="list-style-type: none"> • Introduction • Parts • Connection • Operating System
5.	<ul style="list-style-type: none"> • Pattern Making, Cutting & Stitching of Petticoats using different methods of bottom finishing 	Drafting <ul style="list-style-type: none"> • Petticoat 4 Panel • Petticoat 6 Panel • Petticoat Smart Fitting
6.	<ul style="list-style-type: none"> • Pattern making Cutting & Stitching of Baby sheet, Pillow Covers, Jhabla, Nappi 	Drafting <ul style="list-style-type: none"> • Baby set comprises of Baby sheet, Pillow Covers, Jhabla, Nappi
7.	<ul style="list-style-type: none"> • Pattern Making, Cutting & Stitching of salwars with different designs of Bottoms 	Drafting <ul style="list-style-type: none"> • Plain Salwar • Belted Salwar • Patiala Salwar
8.	Do	<ul style="list-style-type: none"> • Afghani Salwar • Marzeena Salwar
9.	Pattern Making, Cutting & Stitching of Churidar Pyajama	Drafting <ul style="list-style-type: none"> • Churidar Pyajama
10.	<ul style="list-style-type: none"> • Pattern Making, Cutting & Stitching of 	Drafting <ul style="list-style-type: none"> • Fitted Shirt

	Shirts with different necklines	<ul style="list-style-type: none"> • A line Shirt
11.	<ul style="list-style-type: none"> • Shirts with style lines 	<ul style="list-style-type: none"> • Shirt with Style lines (Princess, Panel from shoulder, Empire, Gored)
12.	<ul style="list-style-type: none"> • Shirts in Angarkha Style 	<ul style="list-style-type: none"> • Angarkha Shirt • Anarkali Style
13.	<ul style="list-style-type: none"> • Pattern Making, Cutting & Stitching of Blouse 	Drafting <ul style="list-style-type: none"> • Plain Blouse • Choli-cut Blouse
14.	<ul style="list-style-type: none"> • Pattern Making, Cutting & Stitching of Choli-cut Blouse 	Drafting <ul style="list-style-type: none"> • Katori style Blouse • Designer Blouse
15.	Drape & draw 5 sketches of sleep wear for Kids Check the garment prepared	Inspection <ul style="list-style-type: none"> • Introduction • Type • Necessity
16.	Drape & draw 5 sketches of Theme wear for Kids	Psycho analysis <ul style="list-style-type: none"> • Social Factors – Age, Occasion, season, Budget • Personality • Personal Choice
17.	Drape & draw 5 sketches of Indian wear for Ladies	Definition, basic concept- needs, wants, demands, products value and satisfaction.
18.	Drape & draw 5 sketches of Indo western wear for Ladies	Exchange and transaction, market, simple marketing system, marketing & marketer
19.	Drape & draw 5 sketches of western wear for Ladies	Market Research- <ul style="list-style-type: none"> • Definition • Objectives • Types of marketing
20.	Drape & draw 5 sketches of Sportswear/ Indian ethnic wear for Ladies	Market Segmentation- <ul style="list-style-type: none"> • Single variable • Multivariable
21.	Develop samples of the following - Kasuti <ul style="list-style-type: none"> • Motif & Border Chikankari • Flat & Knotted (with its type using gold & silver thread) Kantha	History of traditional embroideries- Kasuti of Karnatka Chikankari of Lucknow Kantha of West Bengal
22.	Checking of garments in respect of Measurements & stitching.	Quality Control <ul style="list-style-type: none"> • Definition, factors affecting QC

		& benefits <ul style="list-style-type: none"> • Quality Assurance System & Statistical QC
23.	Practice of working with Power Point	Estimation of material for different width & size
24.	Project work with Embroidery	Costing Of Garments <ul style="list-style-type: none"> • Costing Elements • Factors Affecting Costing • Procedure
25.	Revision	
26.	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.
- Hourly Practice of Word, Excel & Power point on Computer & submission in form of project in Semester – II

TRADE: FASHION TECHNOLOGY
LIST OF TOOLS & EQUIPMENT
A. Sketching Room

Sl. No.	Name of the Tools/Equipment	Quantity
01	Drawing Table with adjustable top. Desk having facility of keeping tools.	16 Nos
02	Revolving Chair with adjustable height & back support	16 Nos
03	Faculty Table & Chair set	01 Nos
04	Storage Almirah	01 Nos
05	Adjustable Set square	17 Nos
06	White Magnetic Board with Felt board & accessories	01 Nos
07	Air Conditioner unit split 2 Ton capacity with Stabilizer	01 Nos
08	Display board	04 Nos
09	Computer (Latest Configuration) with software & UPS (0.5 VA with 15 minute back up)	05 Nos
10	Printer	01 Nos
11	Workstation with chair	04 Nos
12	Table for Printer	01 Nos

B. Theory Room

Sl. No.	Name of the Tools/Equipment	Quantity
01	Single desks for trainees with arrangements of keeping Books etc.	16 Nos
02	Revolving Chairs without arms	16 Nos
03	Faculty Table & Chair set	01 Nos
04	Computer set with UPS & multimedia projector	01 Nos
05	Audio address system	01 Nos
06	White Magnetic Board with Felt board & accessories	01 Nos
07	Display Board	02 Nos
08	Storage Almirah	01 Nos
09	Book Shelf	01 Nos
10	A/C unit split type 2 Ton capacity with Stabilizer	01 Nos

C. Drafting/Cutting/Stitching Rooms

(One for each unit)

Sl No.	Name of the Article	Quantity (Number)
1.	Scissors 25 cm	17 Nos
2.	Pinking Shears	05 Nos
3.	Tailors Square – Plastic	17 Nos
4.	Leg Shaper – Plastic	17 Nos
5.	Measuring Tape 150 cm	17 Nos
6.	Seam Ripper	17 Nos
7.	Thimble	17 Nos
8.	Tailor's Card Scale Triangular	17 Nos
9.	French Curve Set of three	17 set
10.	Garment Hangers	17 Nos
11.	Screw Driver Set	04 set
12.	Table Sharpener	04 Nos
13.	Pressing Table	05 Nos
14.	Blanket for padding of Pressing Table	05 Nos
15.	Rubber mat (Size as per requirement)	05 Nos
16.	Sprayer	05 Nos
17.	Waste Bin Big / Small	8 Nos
18.	Pattern Punch	04 Nos
19.	Pattern Notcher	04 Nos
20.	Pattern Hanging Stand	04 Nos
21.	Water Tub 60 cm dia	01 No
22.	Stand for hanging dresses	05 Nos
23.	Trial room with 3 side mirrors of size 150 cm X 60 cm each with arrangements of hanging Dresses	01 No
24.	Electric Automatic steam press	05 Nos
25.	Sewing Machine – Single Needle Lock stitch Industrial model	16 Nos
26.	Over Lock Machine 3 Thread	01 No
27.	Zig Zag Multi Purpose Machine	01 No
28.	Machine attachments	As per requirement
29.	Chairs with low back rest or stools for the machines	(one for each machine)
30.	Drafting Table	8 Nos
31.	Display Board Covered with glass or Acrylic Sheet 120 X 90 cm	02 Nos

32.	Instructor Table	01 No
33.	Instructor Chair	02 Nos
34.	Steel Almirah 195 X 90 X 60 cm	02 Nos
35.	Pigeon hole Almirah 10 lockers & separate locking arrangements for trainees	02 Nos
36.	Locks for above pigeon hole	16 Nos
37.	Wall Clock	02 Nos
38.	Calculator Desk Type	01 No
39.	White Board with accessories (size as per requirement)	01 No
40.	Dummy (Lady)	02 Nos

Note:

- The quantity of hand Tools may be suitably increased as per the number of supernumeraries admitted in a unit.
- One number each of item no. 4 to 9 in respect of trainees actually completing the course of one year (both the semesters) duration may be treated as consumables.

Note:

1. Due to the rapid changes in the technologies frequent Modernization of equipments and technologies is necessary.
2. Training Programmes 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.