



GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP
DIRECTORATE GENERAL OF TRAINING

COMPETENCY BASED CURRICULUM

FASHION DESIGN & TECHNOLOGY

(Duration: One Year)

CRAFTSMEN TRAINING SCHEME (CTS)

NSQF LEVEL- 4



SECTOR – TEXTILES AND APPAREL

FASHION DESIGN & TECHNOLOGY

(Non-Engineering Trade)



(Revised in 2018)

CRAFTSMEN TRAINING SCHEME (CTS)

NSQF LEVEL - 4

कौशल भारत - कुशल भारत

Developed By

Ministry of Skill Development and Entrepreneurship

Directorate General of Training

CENTRAL STAFF TRAINING AND RESEARCH INSTITUTE

EN-81, Sector-V, Salt Lake City,

Kolkata – 700 091

ACKNOWLEDGEMENT

The DGT sincerely acknowledges contributions of the Industries, State Directorates, Trade Experts, Domain Experts and all others who contributed in revising the curriculum. Special acknowledgement is extended by DGT to the following expert members who had contributed immensely in this curriculum.

List of Expert members participated for finalizing the course curriculum of Fashion Design & Technology trade.			
S No.	Name & Designation Shri/Mr./Ms.	Organization	Remarks
1.	Dr.Darlie Koshy Director General and CEO	IAM & ATDC Apparel Export Promotion Council Gurgaon	Chairman
2.	Mr. S. Venkatesh, Head HR & Admin	Raymond	Member
3.	Mr. Sanjeev Mohanty Managing Director	Bennetton India Pvt. Ltd., Gurgaon	Member
4.	Mr. Animesh Saxena	Udyog Vihar Industries Association, Gurgaon B-40, Phase 5, Udyog Vihar Gurgaon- 122017	Member
5.	Mr. Arindam Das	National Institute of Fasion Technology, New Delhi	Member
6.	Dr. Kushal Sen Professor	D/o Textile Technology IIT Delhi	Member
7.	Mr. Bhatacharya. G HOD Textiles Department	Institute for Textile Technology, CHOUDWAR	Member
8.	Ms. Poonam Thakur Professor & Academic Head	NIIFT, Mohali	Member
9.	Mr. L.N. Meena, Lecturer	Arya Bhatt Polytechnic, Delhi	Member
10.	Mr. Prabhas Kashyap , General Manager-Planning & Production Co-ordination	Gokaldas Export Ltd., Bangalore	Member
11.	Bishwanath Ganguly	Madura Fashion & Retail, Aditya Birla Centre for Retail Excellence (A B C R E)	Member
12.	K.N. Chatterjee, HOD Fashion and Apparel Engineering	THE TECHNOLOGICAL INST. OF TEXTILE & SCIENCES, Bhiwani, Haryana, INDIA-127021.	Member
13.	Tapas Kumar Adhikari, Sr. Manager	Reliance Industries Ltd.	Member
14.	Vikas Verma, Asst. Vice President	Welspun India Ltd.	Member
15.	Navjot Walia, Vice President	Maral Overseas Ltd., Noida	Member
16.	Rajeev Mehani, Vice President	Vardhaman Textiles	Member

Mentor			
17.	Mr.R.P. Dhingra, Director (P)	DGT	Mentor
Core Group			
18.	Nirmalya Nath, ADT	CSTARI, Kolkata	Coordinator
19.	Renuka Tiwari, TO	RVTI, Kolkata	Member
20.	Gopal Biswas, Instructor	Govt. ITI for Physically Challenged Boys & Girls, Kolkata	Member
21.	Mr. Haradhan Das, TO	CSTARI, Kolkata	Member
22.	Mr. Subhankar Bhowmik, DPA Gr. B	NIMI, Chennai	NIMI Representative
23.	Mr. Rajendra Kumar, JDT(WT)	DGT	Member
24.	Ms. D. Shanthi, ADT	RVTI, Trivendrum	Member
25.	Ms. Abha Rastogi, TO	RVTI, Panipat	Member
26.	Ms. Chitra, TO	RVTI, Panipat	Member
27.	Ms. Rinku Soni, TO	RVTI, Jaipur	Member
28.	Ms. Babita, TO	NVTI, Noida	Member
29.	Ms. Bhagyashree, TO	RVTI, Indore	Member
30.	Mr. L. R. Ramesh Babu, TO	RVTI, Trivendrum	Member
31.	Mr. S.S. Meena, TO	NVTI, Noida	Member
32.	Mr. Bhavin Kumar M. Solanki	ITI, Jambughoda, Gujarat	Member
33.	Mrs. Divya, TO	RVTI, Bangalore	Member

Skill India
कौशल भारत - कुशल भारत

S No.	Topics	Page No.
1.	Course Information	1
2.	Training System	2-5
3.	Job Role	6
4.	General Information	7-8
5.	NSQF Level Compliance	9
6.	Learning/ Assessable Outcome	10-11
7.	Learning Outcome with Assessment Criteria	12-15
8.	Syllabus	16-24
9.	Syllabus Core Skill - Employability Skill	25-28
10.	Annexure I - List of Trade Tools & Equipment	29-31
	List of Tools & Equipment for Employability Skill	32
11.	Annexure II - Format for Internal Assessment	33

Skill India
कौशल भारत - कुशल भारत

1. COURSE INFORMATION

During the one-year duration of “**Fashion Design & Technology**” trade a candidate is trained on Professional Skill, Professional Knowledge and Employability Skill. In this trade we don't just teach Interior Design, we encourage each and every student to access and nurture their own natural sense of flair and creativity. We also help them to know that how can they create new ideas, thoughts and also to execute them in real form. In addition to this a candidate is entrusted to undertake project work, extracurricular activities and on job training to build up confidence. The broad components covered related to the trade are categorized in two semester of six months duration each. The semester wise course coverage is categorized as below:-

1st Semester – The broad professional skills covered as part of the skill training start with familiarization and identification of tools & sewing machine, sketches female croquis and design using elements and principle of design in terms of dress. The trainees learn to draw texture and perform fabric rendering. Also develop motifs for various traditional embroideries and perform machine stitches to make different parts as per design. The content also covers different fabrics, designing through Corel draw and working on special effects are also part of the professional components in this part.

2nd Semester – In this semester, the professional skill starts sketching different elements of garment. Develop different views of male & female croquis and develop designer wears based on draping techniques. Ensure quality and gets ideas about fashion merchandising and career prospect in the field. Finally, the trainees are imparted skills on designing fashion accessories as per latest trend.

The trainee also undergoes two weeks project work at the end of each semester which gives them more practical exposure and helps to build up confidence level.

2. TRAINING SYSTEM

2.1 GENERAL

Directorate General of Training (DGT) under Ministry of Skill Development & Entrepreneurship offers range of vocational training courses catering to the need of different sectors of Labour market. The vocational training programmes are running under aegis of National Council of Vocational Training (NCVT). Craftsman Training Scheme (CTS) and Apprenticeship Training Scheme (ATS) are two pioneer programmes under NCVT for propagating vocational training.

Fashion Design & Technology trade under CTS is one of the popular courses delivered nationwide through a network of ITIs. The course is of one-year (02 semester) duration. It mainly consists of Domain area and Core area. In the Domain area (Trade Theory & Practical) impart professional skills and knowledge, while the core area (Employability Skill) imparts requisite core skills, knowledge, and life skills. After passing out the training program, the trainee is awarded National Trade Certificate (NTC) by NCVT which is recognized worldwide.

Broadly candidates need to demonstrate that they are able to:

- Read & interpret technical parameters/documentation, plan work, identify necessary materials and tools;
- Perform task with due consideration to safety rules, accident prevention regulations and environmental protection stipulations;
- Apply professional knowledge, core skills & employability skills while performing the job.
- Check the task/assembly as per drawing for functioning, identify and rectify errors in task/assembly.
- Document the technical parameters related to the task undertaken.

2.2 CARRIER PROGRESSION PATHWAYS:

- Can join Apprenticeship programme in different types of industries leading to National Apprenticeship certificate (NAC).
- Can join Crafts Instructor Training Scheme (CITS) in the trade for becoming instructor in ITIs.

2.3 COURSE STRUCTURE:

Table below depicts the distribution of training hours across various course elements during a period of one-year (02 semesters): -

S. No.	Course Element	Notional Training Hours
1	Professional Skill (Trade Practical)	1320
2	Professional Knowledge (Trade Theory)	264
3	Employability Skills	110
4	Library & Extracurricular activities	66
5	Project work	160
6	Revision & Examination	160
	Total	2080

2.4 ASSESSMENT & CERTIFICATION

The trainee will be tested for his skill, knowledge and attitude during the period of the course and at the end of the training program as notified by the Government of India (GoI) from time to time. The employability skills will be tested in the first two semesters itself.

a) The **Internal Assessment** during the period of training will be done by **Formative Assessment Method** by testing for assessment criteria listed against learning outcomes. The training institute has to maintain an individual trainee portfolio as detailed in assessment guideline. The marks of internal assessment will be as per the template (Annexure – II).

b) The final assessment will be in the form of summative assessment method. The All India Trade Test for awarding NTC will be conducted by NCVT at the end of each semester as per the guideline of Government of India. The pattern and marking structure is being notified by Govt. of India from time to time. **The learning outcome and assessment criteria will be the basis for setting question papers for final assessment. The examiner during final examination will also check** the individual trainee's profile as detailed in assessment guideline before giving marks for practical examination.

2.4.1 PASS REGULATION

The minimum pass percentage for practical is 60% & minimum pass percentage of theory subjects is 40%. For the purposes of determining the overall result, 50% weightage is applied to the result of each semester examination.

2.4.2 ASSESSMENT GUIDELINE

Appropriate arrangements should be made to ensure that there will be no artificial barriers to assessment. The nature of special needs should be taken into account while undertaking the assessment. Due consideration should be given while assessing for teamwork,

avoidance/reduction of scrap/wastage and disposal of scrap/waste as per procedure, behavioral attitude, sensitivity to the environment and regularity in training. The sensitivity towards OSHE and self-learning attitude are to be considered while assessing competency.

Assessment will be evidence based comprising the following:

- Job carried out in labs/workshop
- Record book/ daily diary
- Answer sheet of assessment
- Viva-voce
- Progress chart
- Attendance and punctuality
- Assignment
- Project work

Evidences of internal assessments are to be preserved until forthcoming semester examination for audit and verification by examining body. The following marking pattern to be adopted while assessing:

Performance Level	Evidence
(a) Weightage in the range of 60%-75% to be allotted during assessment	
For performance in this grade, the candidate should produce work which demonstrates attainment of an acceptable standard of craftsmanship with occasional guidance, and due regard for safety procedures and practices	<ul style="list-style-type: none"> • Demonstration of good skill in the use of hand tools, machine tools and workshop equipment. • Below 70% tolerance dimension achieved while undertaking different work with those demanded by the component/job. • A fairly good level of neatness and consistency in the finish. • Occasional support in completing the project/job.
(b) Weightage in the range of 75%-90% to be allotted during assessment	
For this grade, a candidate should produce work which demonstrates attainment of a reasonable standard of craftsmanship, with little guidance, and regard for safety procedures and practices	<ul style="list-style-type: none"> • Good skill levels in the use of hand tools, machine tools and workshop equipment. • 70-80% tolerance dimension achieved while undertaking different work with those demanded by the component/job. • A good level of neatness and consistency in the finish. • Little support in completing the project/job.
(c) Weightage in the range of more than 90% to be allotted during assessment	
For performance in this grade, the candidate, with minimal or no support in	<ul style="list-style-type: none"> • High skill levels in the use of hand tools, machine tools and workshop equipment.

organization and execution and with due regard for safety procedures and practices, has produced work which demonstrates attainment of a high standard of craftsmanship.

- Above 80% tolerance dimension achieved while undertaking different work with those demanded by the component/job.
- A high level of neatness and consistency in the finish.
- Minimal or no support in completing the project.

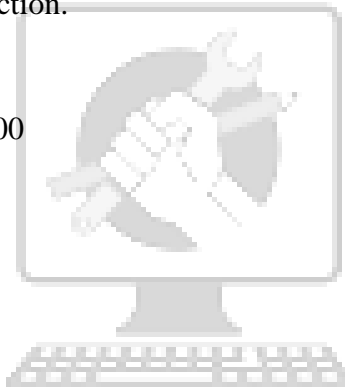


Skill India
कौशल भारत - कुशल भारत

Brief description of Job roles:

Designer; Pattern Maker (Garments) develops, designs and makes pattern for new styles of men's, women's and children's garments. Studies existing styles, develops new ideas and draws out full scale drawing of garments on paper. Marks and cuts out paper patterns of different parts of garments. Gets cloth cut according to paper patterns and gets sample garment stitched as required. Tries garment on model and makes changes in pattern, if necessary. May make specifications and supervise production.

Reference NCO- 2015: 7532.0100



Skill India
कौशल भारत - कुशल भारत

4. GENERAL INFORMATION

Name of the Trade	FASHION DESIGN & TECHNOLOGY
NCO - 2015	7532.0100
NSQF Level	Level – 4
Duration of Craftsmen Training	One year (Two semesters each of six months duration).
Entry Qualification	Passed 10 th class examination under 10+2 System of education
Unit Strength (No. Of Student)	16
Space Norms	64 sq. m.
Power Norms	5 KW
Instructors Qualification for	
1. Fashion Design & Technology Trade	<p>Degree (4 yrs duration) in fashion Designing/Technology From Recognized university with one year Experience in the relevant field OR</p> <p>Degree (3 yrs duration) in fashion Designing/Technology from Recognized university with TWO year Experience in the relevant field OR</p> <p>Three year Diploma in fashion Designing/Technology/CDDM from (AICTE) with Two Years Experience OR</p> <p>NTC/NAC in Fashion design & technology (earlier name of trade as "fashion technology " with three years post qualification experience in the relevant field.</p> <p>Desirable: - Preference will be given to a candidate with CIC (Craft Instructor Certificate) in Fashion Design & Technology trade.</p> <p><i>Out of two Instructors required for the unit of 2(1+1), one must have Degree/Diploma and other must have NTC/NAC qualifications.</i></p>
2. Employability Skill	<p>MBA OR BBA with two years experience OR Graduate in Sociology/ Social Welfare/ Economics with Two years experience OR Graduate/ Diploma with Two years experience and trained in Employability Skills from DGET institutes.</p> <p>AND</p> <p>Must have studied English/ Communication Skills and Basic Computer Application at 12th / Diploma level and above.</p> <p>OR</p>

	Existing Social Studies Instructors duly trained in Employability Skills from DGT institutes			
List of Tools and Equipment	As per Annexure – I			
Distribution of training on Hourly basis: (Indicative only)				
Total Hours /week	Trade Practical	Trade Theory	Employability Skills	Extra-curricular Activity
40 Hours	30 Hours	6 Hours	2 Hours	2 Hours



Skill India
कौशल भारत - कुशल भारत

5. NSQF LEVEL COMPLIANCE

NSQF level for **Fashion Design & Technology** trade under CTS: **Level 4**

As per notification issued by Govt. of India dated- 27.12.2013 on National Skill Qualification Framework total 10 (Ten) Levels are defined.

Each level of the NSQF is associated with a set of descriptors made up of five outcome statements, which describe in general terms, the minimum knowledge, skills and attributes that a learner needs to acquire in order to be certified for that level.

Each level of the NSQF is described by a statement of learning outcomes in five domains, known as level descriptors. These five domains are:

- a. Process
- b. Professional knowledge
- c. Professional skill
- d. Core skill
- e. Responsibility

The Broad Learning outcome of **Fashion Design & Technology** trade under CTS mostly matches with the Level descriptor at Level- 4.

The NSQF level-4 descriptor is given below:

Level	Process Required	Professional Knowledge	Professional Skill	Core Skill	Responsibility
Level 4	work in familiar, predictable, routine, situation of clear choice	factual knowledge of field of knowledge or study	recall and demonstrate practical skill, routine and repetitive in narrow range of application, using appropriate rule and tool, using quality concepts	language to communicate written or oral, with required clarity, skill to basic Arithmetic and algebraic principles, basic understanding of social political and natural environment	Responsibility for own work and learning.

6. LEARNING/ ASSESSABLE OUTCOME

Learning outcomes are a reflection of total competencies of a trainee and assessment will be carried out as per the assessment criteria.

6.1 GENERIC LEARNING OUTCOME

1. Recognize & comply safe working practices, environment regulation and housekeeping.
2. Explain the concept in productivity, quality tools, and labour welfare legislation and apply such in day to day work to improve productivity & quality.
3. Explain energy conservation, global warming and pollution and contribute in day to day work by optimally using available resources.
4. Explain personnel finance, entrepreneurship and manage/organize related task in day to day work for personal & societal growth.
5. Plan and execute the work related to the occupation.

6.2 SPECIFIC LEARNING OUTCOME

Semester – I

6. Understand and Illustrate importance of Fashion designing.
7. Sketch fashion croqui of female and design garments with the help of elements using principles of design and colour scheme.
8. Drape, illustrate Fabric rendering and drawing texture.
9. Apply surface ornamentation with embroidery, dying, printing.
10. Perform basic Stitches, Seams and Edge finishes with operation of Sewing machine.
11. Identify different Fibres and Fabrics along with Weaves and Knits.
12. Create and Design Garments and Accessories in Corel Draw using tools and commands.
13. Create Bodice Block Set & Patterns and construct samples of Design Details.

Semester – II

14. Apply garment details in fashion illustration.
15. Illustrate Male and Female wear on Croquie and develop designer Wears based on draping Technique/ sketches as per fashion & style.
16. Analyse human anatomy with Eight Head theory and different types of body contour.

17. Ensure the Quality of production.
18. Analyse fashion merchandising, fashion scope and Career Prospect.
19. Free Hand designing of Fashion accessories as per latest trend.



Skill India
कौशल भारत - कुशल भारत

7. LEARNING OUTCOME WITH ASSESSMENT CRITERIA

GENERIC LEARNING/ ASSESSABLE OUTCOME	
LEARNING/ ASSESSABLE OUTCOME	ASSESSMENT CRITERIA
1. Recognize & comply safe working practices, environment regulation and housekeeping.	1. 1. Follow and maintain procedures to achieve a safe working environment in line with occupational health and safety regulations and requirements.
	1. 2. Recognize and report all unsafe situations according to site policy.
	1. 3. Identify and take necessary precautions on fire and safety hazards and report according to site policy and procedures.
	1. 4. Identify, handle and store / dispose off dangerous/unsalvageable goods and substances according to site policy and procedures following safety regulations and requirements.
	1. 5. Identify and observe site policies and procedures in regard to illness or accident.
	1. 6. Identify safety alarms accurately.
	1. 7. Report supervisor/ Competent of authority in the event of accident or sickness of any staff and record accident details correctly according to site accident/injury procedures.
	1. 8. Identify and observe site evacuation procedures according to site policy.
	1. 9. Identify Personal Productive Equipment (PPE) and use the same as per related working environment.
	1. 10. Identify basic first aid and use them under different circumstances.
	1. 11. Identify different fire extinguisher and use the same as per requirement.
	1. 12. Identify environmental pollution & contribute to avoidance of same.
	1. 13. Take opportunities to use energy and materials in an environmentally friendly manner
	1. 14. Avoid waste and dispose waste as per procedure
	1. 15. Recognize different components of 5S and apply the same in the working environment.
2. Explain the concept in productivity, quality tools, and	2.1 Explain the concept of productivity and quality tools and apply during execution of job.

labour welfare legislation and apply such in day to day work to improve productivity & quality.	2.2 Understand the basic concept of labour welfare legislation and adhere to responsibilities and remain sensitive towards such laws.
	2.3 Knows benefits guaranteed under various acts
3. Explain energy conservation, global warming and pollution and contribute in day to day work by optimally using available resources.	3.1 Explain the concept of energy conservation, global warming, pollution and utilize the available recourses optimally & remain sensitive to avoid environment pollution.
	3.2 Dispose waste following standard procedure.
4. Explain personnel finance, entrepreneurship and manage/organize related task in day to day work for personal & societal growth.	4. 1. Explain personnel finance and entrepreneurship.
	4. 2. Explain role of Various Schemes and Institutes for self-employment i.e. DIC, SIDA, SISI, NSIC, SIDO, Idea for financing/ non financing support agencies to familiarizes with the Policies /Programmes & procedure & the available scheme.
	4. 3. Prepare Project report to become an entrepreneur for submission to financial institutions.
5. Plan and execute the work related to the occupation.	5. 1. Use documents, drawings and recognize hazards in the work site.
	5. 2. Plan workplace / assembly location with due consideration to operational stipulation
	5. 3. Communicate effectively with others and plan project tasks
	5. 4. Execute the task effectively.

कौशल भारत - कुशल भारत

SPECIFIC LEARNING/ ASSESSABLE OUTCOME	
LEARNING/ ASSESSABLE OUTCOME	ASSESSMENT CRITERIA
<u>Semester-I</u>	
6. Understand and Illustrate importance of Fashion designing.	6.1. Appraise the importance of Fashion Designing in socio economic point of view.
	6.2. Identify the requirement of designing to modernize and also link it with our past eras with change of habit and use.
	6.3. Compare and relate Fashion Designing with other industries.
	6.4. Functional and operational knowledge of tools equipments and drawing materials and its operations.
7. Sketch fashion croqui of female and design garments with the help of elements using principles of design and colour scheme.	7.1 Create a fashion Stick and Block Figure (10.5 & 12.5 heads).
	7.2 Drape the designer wear on Female Croqui and show Optical illusions.
	7.3 Recognize the elements and principle of designing in Fashion Designing.
	7.4 Recognize and apply colour sets (Warm & Cool) in designing.
	7.5 Draw Geometrical, Abstract and Realistic shapes & forms.
	7.6 Apply different techniques of free hand sketches to create designs.
8. Drape, illustrate Fabric rendering and drawing texture.	8.1 Demonstrate basic Drape on Dress-form.
	8.2 Illustrate Rendering of different fabric and prints.
	8.3 Develop sketch of draped design with texture and rendering.
9. Apply surface ornamentation with embroidery, dying, printing.	9.1 Appraise different types of surface ornamentation.
	9.2 Demonstrate different techniques of Tying & Dyeing on different fabrics.
	9.3 Execute Traditional and Modern Embroidery.
10. Perform basic Stitches, Seams and Edge finishes with operation of Sewing machine.	10.1. Appraise and apply different types of Stitches, Seams and Edge finishes.
	10.2. Prepare Samples of Variations of Stitches, Seams and Edge Finishing.
11. Identify different Fibres and	11.1 Identify different kind of Fabrics and it's composition.
	11.2 Distinguish & draw the different types of Weaving.


Fabrics along with Weaves and Knits.	11.3 Make Sample of variations of Weaves and Knits.
12. Create and Design Garments and Accessories in Corel Draw using tools and commands.	12. 1. Demonstrate and apply different types of commands and tools.
	12. 2. Illustrate and Draw Garment and Accessories design with the help of Corel Draw.
13. Create Bodice Block Set & Patterns and construct samples of Design Details.	13.1 Create Bodice, Sleeve, Collar and Skirt Block.
	13.2 Draft, create patterns and make samples of variations of Sleeves and Collars.
	13.3 Construct the Samples of Design Details like Elements of adding fullness/ shapes, Pockets, Plackets, Facing, Binding.
<u>Semester-II</u>	
14. Apply garment details in fashion illustration.	14.1 Appraise and illustrate the garment details like neck lines, collars, sleeves, gathers, bow & tie, style lines etc.
15. Illustrate Male and Female wear on Croquie and develop designer Wears based on draping Technique/ sketches as per fashion & style.	15.1 Drape the Design on Dress-Form and Develop different Patterns.
	15.2 Cut and Stitch different Ladies Wear.
	15.3 Demonstrate variations of Drapes for Basic Bodice, Long dresses and skirts..
	15.4 Develop the sketch of draped designs.
16. Analyse human anatomy with Eight head theory and different types of body contour.	16.1 Sketch Human body based on 8 Head Theory.
	16.2 Distinguish types of human figure.
17. Ensure Quality of production.	17.1 Appraise the Stages of Quality Control in production field.
	17.2 Prepare Quality Check Chart of any garment.
18. Analyse fashion merchandising, fashion scope and Career Prospect.	18.1 Prepare a Cost sheet, Spec. sheet & Tech-pack of developed design.
	18.2 Appraise latest trend following fashion shows, fairs, fashion trends etc.
	18.3 Visit and analyze Production firms/houses and prepare report.
19. Free Hand Designing of Fashion accessories as per latest trend	19.1 Appraise the connection Garments and Fashion Accessories.
	19.2 Design and develop different fashion accessories.

SYLLABUS – FASHION DESIGN & TECHNOLOGY			
FIRST SEMESTER - SIX MONTH			
Week No.	Ref. Learning Outcome	Professional Skills (Trade Practical)	Professional Knowledge (Trade Theory)
1-2	Understand and Illustrate importance of Fashion designing.	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	Introduction and familiarization with the institute Importance of safety and general precaution Safety precautions Introduction to work ethics, Discipline ERGONOMICS Tools & Equipments measuring tools and Techniques marking tools and Techniques cutting tools and Techniques pressing tools and Techniques 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	Sketch fashion croqui of female and Design Garments with the help of elements using principles of design and colour scheme.	Free Hand Sketching of Different Types of Line Line sketches in pencil & ink Geometric construction of two dimensional geometric shapes and forms.	Brief idea about drawing tools and Techniques materials Elements of design
4	-Do-	Prepare chart only (color wheel,	❖ Introduction to elements and

		<p>color scheme, grey scale, Tints and shades, gradation) Female croqueie(12.5)</p> <ul style="list-style-type: none"> • Block figure • Stick figure 	<p>principles of design</p> <ul style="list-style-type: none"> ❖ Fundamentals and basics of color ❖ Color & color Theories and color scheme ❖ understand concepts of design ❖ textures ,shapes and forms
5	-Do-	<p>Creation Of Designs Using Elements and principles Of Design in terms of dress(through sketching) Prepare sheets of optical illusions repeat pattern and composition</p>	<p>Introduction to : Principles Of Design</p>
6	<p>Drape, illustrate Fabric rendering and drawing texture.</p>	<p>Drawing Texture Fabric rendering</p> <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 • various categories of men's wear .women's wear, kids wear • Ready Made Garments Industry • Introduction • Basis of selection of readymade garment Merits. • Overview of garment mass Production Setup Precaution to be taken while working with different kinds of fabric Preparation of material before cutting, Draping of Garment

7-10	Apply surface ornamentation with embroidery, dyeing, printing.	Developing Motifs for various Traditional Embroideries Contemporarisation of Various Traditional Motifs Introduction to Basic hand and Machine stitches (Sample Making) Temporary Permanent Decorative stitches(in context to contemporary stitches) Flat Stitches looped stitches knotted stitches crossed stitches Seams Seam finishes	Motifs (enlargement and reduction) Sources of design inspiration& conceptualization optical illusion, silhouette, Introduction To Hand Stitching Introduction to decorative stitches Flat Stitches looped stitches knotted stitches crossed stitches Introduction To Seams & Seam Finishes Seams Seam finishes
11-16	Perform basic Stitches, Seams and Edge finishes with operation of Sewing machine.	Apply Fullness(Sample Making) Darts: Pleats: Tucks: Gathers & Shirrs: Frills Godets	Introducing Fullness. Darts: Pleats: Tucks: Gathers & Shirrs: Frills Godets
	-Do-	Sample Making of : Plackets & Openings Pockets Facing Binding	Introduction to: Plackets & Openings Pockets Facing Binding
	-Do-	Making draft and samples of Sleeves: Plain Raglan Magyar	Introduction to measurement ISI Standards of measurements Relationship of sizes & measurements methods of measuring body and dress form

		<p>Puff Bell Leg o' mutton Bishop Petal Circular Batwing Kimono</p> <p>Collars:</p> <p>Peter pan Shirt Stand or Chinese Swinging Roll Shawl Sailor Tie stand</p>	<p>Measurement charts.</p> <p>Introduction to paper pattern</p> <p>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</p> <p>Introduction To Draping method for apparel Design</p>
	-Do-	<p>Sample Making of Fasteners:</p> <p>Buttonholes Buttons Frogs Snaps Zippers Hooks and Eyes Velcro</p> <p>Sample making of Trimmings</p>	<p>Theoretical Introduction to Fasteners Trimmings Hems</p>
	-Do-	<p>Sample Making of neckline finishes Sample making of Hems</p>	<p>Necklines Edge finishing Hems</p>
17-18	Identify different Fibres and Fabrics along with Weaves and Knits.	<p>Samples of Weaving Plain weave Twill weave Satan weave Basket weave Sateen weave Rib weave Honey comb</p>	<p>Textile fabric, 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</p>

		<p>knitting Samples</p> <p>Warp Knits and Weft Knits</p> 	<p>Elementary processing of different types of fibre to yarn</p> <p>Characteristic of yarn</p> <p>twist</p> <p>Size</p> <p>count and count measuring system</p> <p>Types of yarn-</p> <p>Simple</p> <p>Complex</p> <p>Fabric manufacturing</p> <p>Yarn preparation</p> <p>Elementary weaving theory</p> <p>Fabric structure-Woven, Knitted and non-woven</p> <p>Introduction to Dyeing & Printing</p> <p>Introduction to knitting</p> <p>Types of Knitted Fabric used in garment industry</p> <p>Finishes</p> <p>Mechanical</p> <p>Chemical</p>
19	-do-	<p>Prepare sample file and a survey report on different type of cotton fabric</p> <p>Synthetic</p> <p>Woolen</p> <p>Worsted</p> <p>Sheer</p> <p>Silk</p> <p>Linen</p> <p>Pile fabrics</p> <p>Laces</p> <p>Buttons</p> <p>Braids</p> <p>Cords</p> <p>Fusings ,etc</p>	<p>Introduction and identification of Different type of:</p> <p>cotton fabric</p> <p>Synthetic</p> <p>Woolen</p> <p>Sheer</p> <p>Silk</p> <p>Linen</p> <p>Pile fabrics</p> <p>Laces</p> <p>Buttons</p> <p>Braids</p> <p>Cords</p> <p>Fusings ,etc</p>
20	Create and Design Garments and Accessories in Corel Draw using tools and commands.	<p>Introduction and designing through Corel Draw</p> <p>Practice on Tools</p> <p>Working with Shapes</p>	<p>Introduction and importance of designing through computers</p> <p>Use of Corel Draw in Design creation</p> <p>Tools</p> <p>Working with Shapes</p>

21-22	Create Bodice Block Set & Patterns and construct samples of Design Details.	Working with special effects Creating Fabric Designs Creating Croqui Rendering & Draping Accessories Designing	Working with special effects Creating Fabric Designs Creating Croqui Rendering & Draping Accessories Designing
23 - 24	Project : Prepare ARTICLES : (ANY ONE) BABY SETS - Toddler Garments Designer dress using any two elements and two principles of design. Industrial training (for practical knowledge of working environment of industries) Report to be submitted on practical knowledge attained.		
25	Revision		
26	Examination		

Note: -

- a. *Introduction of CAD with basic command in Trade Theory and Practice on CAD with basic command in Trade Practical 2 hr. per week.*
- b. *Expert lecture may be organized at regular interval and when required.*
- c. *More emphasis to be given on video/real-life pictures during theoretical classes. Some real-life pictures/videos on the topics taught in this semester may be shown to the trainees to give a feel of industry & their future assignment.*

Skill India
कौशल भारत - कुशल भारत

SYLLABUS – FASHION DESIGN & TECHNOLOGY

SECOND SEMESTER - SIX MONTH

Week No.	Ref. Learning Outcome	Professional Skills (Trade Practical)	Professional Knowledge (Trade Theory)
27-28	Apply garment details in fashion illustration.	Sketching of <ol style="list-style-type: none"> a. Necklines b. Collars c. Sleeves d. Yokes e. Gathers f. pleats g. Bows and ties h. Caps and hats i. Pockets j. cascades k. Belts l. Style lines 	Rendering of different type of fabric- <ol style="list-style-type: none"> m. Plain n. Checks o. Dotted p. Printed q. Stripped r. Textured
29-31	Illustrate Male and Female wear on Croquie and develop designer Wears based on draping Technique/ sketches as per fashion & style.	Female Croquie (10.5-12.5), front , 3/4 half, back view Male Croquie <ul style="list-style-type: none"> •Casual wear •Formal wear 	❖ FASHION Drawings <ul style="list-style-type: none"> • Block Figure • Stick Figure • Fleshing out
32	-Do-	Draping on dress form: Ladies wear- Long Dresses Basic Bodice Basic Skirts,	❖ Draping <ul style="list-style-type: none"> • Principles of draping • Methods of Draping • Draping Techniques • Contour Draping
33-34	-Do-	Drape and draw sketches of indo-western ladies wear as per Fashion and style	❖ Drape and draw 5 sketches of indo-western ladies wear as per Fashion and style <ul style="list-style-type: none"> ❖ 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

			<ul style="list-style-type: none"> • Dressing according to personality ❖ Fashion and style
35	-Do-	<p>Drape and draw in different medium (10 Sketches From each no.)</p> <ul style="list-style-type: none"> • sketches gents wear • casual wear • sports wear • office wear 	
36	-Do-	<p>Ready To Wear Collection Replication Variations Creation Construction</p>	
37-39	Analyse human anatomy with Eight Head theory and different types of body contour.	<p>Cutting, stitching and finishing of frock Cutting stitching & finishing of night suit</p> <p>Practice of developing dress pattern from Draping Technique: Basic Bodies □(dart and princess line) Basic Skirt (Straight and circular) Drafting of ladies block pattern set (bodice sleeve ,skirt and trouser)</p>	<p>Anatomy (in brief) 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 Skirt Block (Children) Drafting Frock, night suit</p>
40-41	Ensure the Quality of production.	<p>Introduction To Quality assurance Quality Management Textile Testing and product evaluation Quality Inspection Care Labeling of apparels Checking of garment with respect to measurement and stitching.</p>	<p>Care and storage wash care symbols Introduction to Quality control and quality assurance Stain removal Immediate repairing</p>

42-43	Analyse fashion merchandising, fashion scope and Career Prospect.	Preparation and designing of Tech pack Cost sheet	<ul style="list-style-type: none"> ❖Career in fashion • Fashion designer • Auxiliary Service in Fashion Design • Fashion Design Technician • Education • industry Meaning and scope of business Introduction to Fashion merchandising
44-46	-Do-	Assignment Report based on; fashion trend trade fairs, fashion show, boutique, garment production unit Apparel Retail Channels	Brief knowledge of fashion trend, trade fairs, fashion show, boutique, garment production unit Study of fashion Fraternity Leading Fashion Designers Textile Designers
47-48	Free Hand designing of Fashion accessories as per latest trend.	Design and creating of fashion accessories head gears scarf fashion jewellery tie and bow belts bows bag and purses hand gloves	Introduction to trims and accessories for fashion industry Fashion accessories head gears scarf fashion jewellery tie and bow belts, bows bag and purses hand gloves
49-50	Project work: /or as per latest trend based on Indo western Design - Development client, material, latest trend research and exploration with one theme.		
51	Revision		
52	Examination		

Note: -

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

9. SYLLABUS - CORE SKILLS

9.1 EMPLOYABILITY SKILLS

CORE SKILL – EMPLOYABILITY SKILL	
First Semester	
1. English Literacy	Duration : 20 hrs Marks : 09
Pronunciation	Accentuation (mode of pronunciation) on simple words, Diction (use of word and speech).
Functional Grammar	Transformation of sentences, Voice change, Change of tense, Spellings.
Reading	Reading and understanding simple sentences about self, work and environment.
Writing	Construction of simple sentences Writing simple English
Speaking/ Spoken English	Speaking with preparation on self, on family, on friends/ classmates, on known people, picture reading, gain confidence through role-playing and discussions on current happening, job description, asking about someone's job, habitual actions. Cardinal (fundamental) numbers, ordinal numbers. Taking messages, passing on messages and filling in message forms, Greeting and introductions, office hospitality, Resumes or curriculum vita essential parts, letters of application reference to previous communication.
2. IT Literacy	Duration : 20 hrs Marks : 09
Basics of Computer	Introduction, Computer and its applications, Hardware and peripherals, Switching on-Starting and shutting down of the computer.
Computer Operating System	Basics of Operating System, WINDOWS, The user interface of Windows OS, Create, Copy, Move and delete Files and Folders, Use of External memory like pen drive, CD, DVD etc. Use of Common applications.
Word Processing and Worksheet	Basic operating of Word Processing, Creating, Opening and Closing Documents, Use of shortcuts, Creating and Editing of Text, Formatting the Text, Insertion & Creation of Tables. Printing document. Basics of Excel worksheet, understanding basic commands, creating simple worksheets, understanding sample worksheets, use of simple formulas and functions, Printing of simple excel sheets.
Computer Networking and Internet	Basic of Computer Networks (using real life examples), Definitions of Local Area Network (LAN), Wide Area Network (WAN), Internet, Concept of Internet (Network of Networks), Meaning of World Wide Web (WWW), Web Browser, Website, Web page and Search Engines. Accessing the Internet using Web Browser, Downloading and Printing Web Pages, Opening an email account and use of email. Social media sites and its implication. Information Security and antivirus tools, Do's and Don'ts in Information Security, Awareness of IT - ACT, types of cyber crimes.

3. Communication Skills		Duration : 15 hrs Marks : 07
Introduction to Communication Skills	Communication and its importance Principles of effective communication Types of communication - verbal, non-verbal, written, email, talking on phone. Non-verbal communication -characteristics, components-Para-language Body language Barriers to communication and dealing with barriers. Handling nervousness/ discomfort.	
Listening Skills	Listening-hearing and listening, effective listening, barriers to effective listening, guidelines for effective listening. Triple- A Listening - Attitude, Attention & Adjustment. Active listening skills.	
Motivational Training	Characteristics essential to achieving success. The power of positive attitude. Self awareness Importance of commitment Ethics and values Ways to motivate oneself Personal goal setting and employability planning.	
Facing Interviews	Manners, etiquettes, dress code for an interview Do's & don'ts for an interview.	
Behavioral Skills	Problem solving Confidence building, Attitude	
Second Semester		
4. Entrepreneurship Skills		Duration : 15 hrs Marks : 06
Concept of Entrepreneurship	Entrepreneur - Entrepreneurship - Enterprises: Conceptual issue Entrepreneurship vs. management, Entrepreneurial motivation. Performance & record, Role & function of entrepreneurs in relation to the enterprise & relation to the economy, Source of business ideas, Entrepreneurial opportunities, The process of setting up a business.	
Project Preparation & Marketing Analysis	Qualities of a good entrepreneur, SWOT and risk analysis. Concept & Application of PLC, Sales & Distribution management. Difference between small scale & large scale business, Market survey, Method of marketing, Publicity and advertisement, Marketing mix.	
Institution's Support	Preparation of project. Role of various schemes and institutes for self-employment i.e. DIC, SIDA, SISI, NSIC, SIDO, Idea for financing/ non-financing support agencies to familiarize with the policies / programmes, procedure & the available scheme.	
Investment Procurement	Project formation, Feasibility, Legal formalities i.e., Shop act, Estimation & costing, Investment procedure - Loan procurement - Banking processes.	
5. Productivity		Duration : 10 hrs

		Marks : 05
Benefits	Personal/ Workman - Incentive, Production linked Bonus, Improvement in living standard.	
Affecting Factors	Skills, Working aids, Automation, Environment, Motivation - How it improves or slows down productivity.	
Comparison with Developed Countries	Comparative productivity in developed countries (viz. Germany, Japan and Australia) in select industries, e.g. Manufacturing, Steel, Mining, Construction etc. Living standards of those countries, wages.	
Personal Finance Management	Banking processes, Handling ATM, KYC registration, safe cash handling, Personal risk and insurance.	
6. Occupational Safety, Health and Environment Education		Duration : 15 hrs Marks : 06
Safety & Health	Introduction to occupational safety and health Importance of safety and health at workplace.	
Occupational Hazards	Basic hazards, chemical hazards, vibroacoustic hazards, mechanical hazards, electrical hazards, thermal hazards. occupational health, occupational hygiene, occupational diseases/ disorders & its prevention.	
Accident & Safety	Basic principles for protective equipment. Accident prevention techniques - control of accidents and safety measures.	
First Aid	Care of injured & sick at the workplaces, First-aid & transportation of sick person.	
Basic Provisions	Idea of basic provision legislation of India. Safety, health, welfare under legislative of India.	
Ecosystem	Introduction to environment. Relationship between society and environment, ecosystem and factors causing imbalance.	
Pollution	Pollution and pollutants including liquid, gaseous, solid and hazardous waste.	
Energy Conservation	Conservation of energy, re-use and recycle.	
Global Warming	Global warming, climate change and ozone layer depletion.	
Ground Water	Hydrological cycle, ground and surface water, Conservation and harvesting of water.	
Environment	Right attitude towards environment, Maintenance of in-house environment.	
7. Labour Welfare Legislation		Duration : 05 hrs Marks : 03
Welfare Acts	Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, Employees Provident Fund Act, The Workmen's Compensation Act.	
8. Quality Tools		Duration : 10 hrs Marks : 05
Quality Consciousness	Meaning of quality, Quality characteristic.	
Quality Circles	Definition, Advantage of small group activity, objectives of quality circle, Roles and function of quality circles in organization, Operation of quality circle. Approaches to starting quality circles, Steps for	

	continuation quality circles.
Quality Management System	Idea of ISO 9000 and BIS systems and its importance in maintaining qualities.
House Keeping	Purpose of housekeeping, Practice of good housekeeping.
Quality Tools	Basic quality tools with a few examples.



Skill India
कौशल भारत - कुशल भारत

LIST OF TOOLS AND EQUIPMENT		
FASHION DESIGN & TECHNOLOGY (For batch of 16 candidates)		
S No.	Name of the Tool & Equipments	Quantity
A. SKETCHING LABORATORY		
1.	Drawing Table with adjustable top. Desk having facility of keeping tools	17 Nos.
2.	Revolving Chair with adjustable height & back support	17 Nos.
3.	Faculty Table & Chair set	01 No.
4.	Storage Almirah	01 No.
5.	Adjustable Set square	17 Nos.
6.	White Magnetic Board with Felt board & accessories	01 No.
7.	Air Conditioner unit split 2 Ton capacity with Stabilizer	02 Nos.
8.	Display board	04 Nos.
9.	Dress forms(dummies) • Children • Ladies • Gents	02 nos. each
10.	Tracing table	02 Nos.
11.	Mannenquins: Childrens, Ladies, Gents	02 nos. each
B. THEORY ROOM		
12.	Single desks for trainees with arrangements of keeping Books etc.	16 Nos.
13.	Revolving Chairs without arms	16 Nos.
14.	Faculty Table & Chair set	01 No.
15.	Computer set with UPS & multimedia projector	01 No.
16.	White Magnetic Board with Felt board & accessories	01 No.
17.	Display Board	02 No.
18.	Storage Almirah	01 No.
19.	Book Shelf	01 No.
20.	A/C unit split type 2 TR capacity with Stabilizer	As required

C. DRAFTING/CUTTING /SEWING ROOM TOOLS & EQUIPMENT		
21.	Scissors 25 cm	17 Nos.
22.	Pinking Shears	05 Nos.
23.	Tailors Square	17 Nos.
24.	Leg Shaper	17 Nos.
25.	Garment Hangers	17 Nos.
26.	Screw Driver Set	04 Nos.
27.	Cart chop	02 Nos.
28.	Table Sharpener	04 Nos.
29.	Pressing Table	05 Nos.
30.	Blanket for padding of Pressing Table	05 Nos.
31.	Rubber mat (Size as per requirement)	05 Nos.
32.	Sprayer	05 Nos.
33.	Waste Bin Big / Small	10 Nos.
34.	Pattern Punch	05 Nos.
35.	Pattern Notcher	05 Nos.
36.	Pattern Hanging Stand	04 Nos.
37.	Water Tub 60 cm dia	01 No.
38.	Stand for hanging dresses	05 Nos.
39.	Trial room with 3 side mirrors of size 150 cm X 60 cm each with arrangements of hanging Dresses	01 No.
40.	Electric Automatic steam press	05 Nos.
41.	Sewing Machine - Single Needle Lock stitch Industrial model	16 Nos.
42.	Over Lock Machine 3 Thread	01 No.
43.	Pick Glass	05 Nos.
44.	Zig Zag Multi Purpose Machine	01 No.
45.	Machine attachments	As required
46.	Chairs with low back rest or stools for the machines (one for each machine)	16 Nos.
47.	Drafting Table	8 Nos.
48.	Display board covered with glass or acrylic sheet 120*90cm	02 Nos.
49.	Instructor Table	01 No.
50.	Instructor Chair	02 Nos.
51.	Steel Almirah 195 X 90 X 60 cm	02 Nos.

52.	Pigeon hole Almirah 10 lockers & separate locking arrangements for trainees	02 Nos.
53.	Locks for above pigeon hole	16 Nos.
54.	Wall Clock	03 Nos.
55.	Calculator Desk Type	01 No.
56.	White Board with accessories (size as per requirement)	02 Nos.
57.	Dummy (Lady)	02 Nos.
58.	Mannequins(lady)	02 Nos.
59.	Mannequins(Kids)	02 Nos.
60.	Mannequins(Gents)	02 Nos.
D. COMPUTER LABORATORY		
61.	Computer with multimedia System (Latest Configuration) with software & UPS (0.5 VA with 15 minute back up)	17 Nos.
62.	Server system (Latest Configuration) with software	01 No.
63.	LAN Connectivity & Internet facility to the computers	As required
64.	Designing Software Coral Draw Latest Version	02 Nos.
65.	Antivirus Software	16 Nos.
66.	Laser Printer color A4	01 No.
67.	Colored laser Printer A3	01 No.
68.	Scanner	01 No.
69.	Computer Table for server	01 No.
70.	Printer Table	02 Nos.
71.	Table for Scanner	01 No.
72.	White Magnetic Board with Felt board & accessories	01 No.
73.	Display Board	02 Nos.
74.	Storage Almirah (Size as per requirement)	02 Nos.
75.	Air Conditioner unit split type 2 Ton capacity with Stabilizer	02 Nos.
76.	Wall Clock	01 No.
77.	Modular Workstation with chair	16 Nos.
78.	LCD Projector	01 No.
79.	Vacuum Cleaner	01 No.
80.	Trainer's Table & Chair	01set

Tools & Equipments for Employability Skills		
S No.	Name of the Equipment	Quantity
1.	Computer (PC) with latest configurations and Internet connection with standard operating system and standard word processor and worksheet software.	10 nos.
2.	UPS - 500VA	10 nos.
3.	Scanner cum Printer	01 no.
4.	Computer Tables	10 nos.
5.	Computer Chairs	20 nos.
6.	LCD Projector	01 no.
7.	White Board 1200mm x 900mm	01 no.

Note: Above Tools & Equipments not required, if Computer LAB is available in the institute.



Skill India
 कौशल भारत - कुशल भारत

FORMAT FOR INTERNAL ASSESSMENT

Name & Address of the Assessor:						Year of Enrollment:								
Name & Address of ITI (Govt./Pvt.):						Date of Assessment:								
Name & Address of the Industry:						Assessment location: Industry/ ITI								
Trade Name:			Semester:			Duration of the Trade/course:								
Learning Outcome:														
S No.	Maximum Marks (Total 100 Marks)		15	5	10	5	10	10	5	10	15	15	Total Internal Assessment Marks	Result (Y/N)
	Candidate Name	Father's/Mother's Name	Safety Consciousness	Workplace Hygiene	Attendance/ Punctuality	Ability to Follow Manuals/ Written Instructions	Application of Knowledge	Skills to Handle Tools & Equipment	Economical Use of Materials	Speed in Doing Work	Quality in Workmanship	VIVA		
1														
2														