



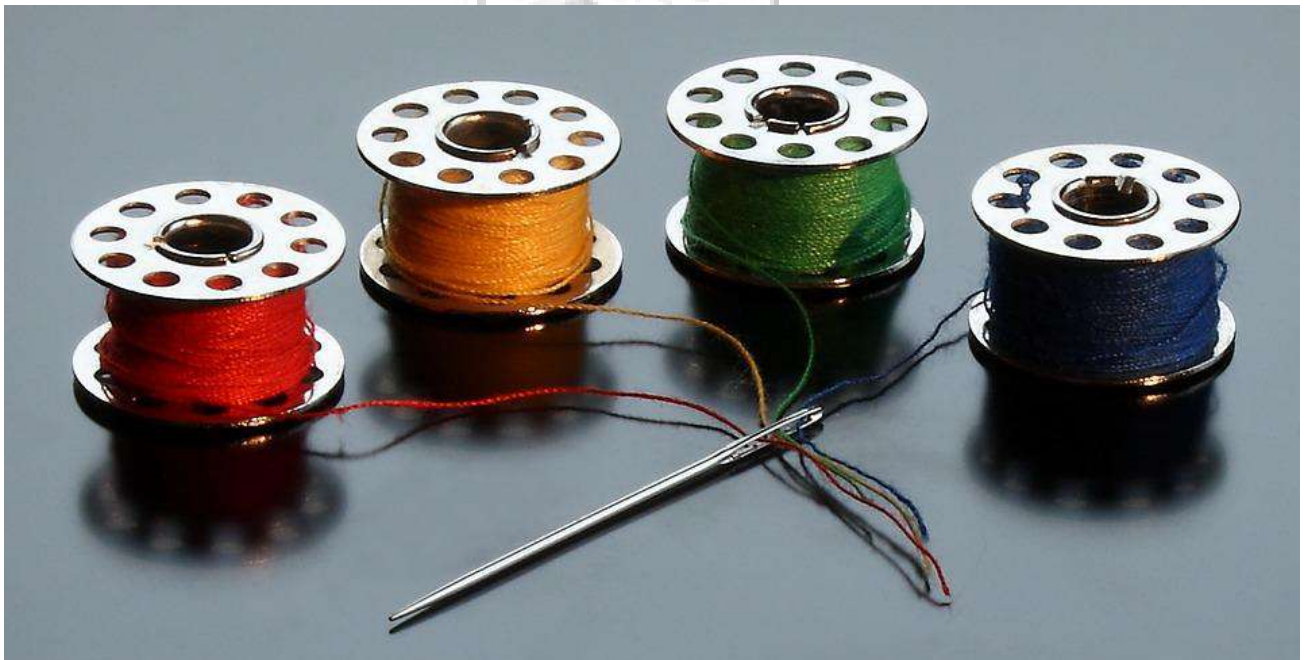
GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP
DIRECTORATE GENERAL OF TRAINING

COMPETENCY BASED CURRICULUM

SEWING TECHNOLOGY

(Duration: One Year)

CRAFTSMEN TRAINING SCHEME (CTS)



NSQF LEVEL- 4
SECTOR –APPAREL

SEWING TECHNOLOGY

(Non-Engineering Trade)

(Revised in 2016)

Version: 1.1

CRAFTSMEN TRAINING SCHEME (CTS)

NSQF LEVEL - 4

Skill India
कौशल भारत - कुशल भारत

Developed By

Ministry of Skill Development and Entrepreneurship

Directorate General of Training

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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 Outcome	10-11
7.	Learning Outcome with Assessment Criteria	12-21
8.	Trade Syllabus	22-28
9.	Core Skill – Employability Skill	29-33
10.	Annexure I	
	List of Trade Tools & Equipment	34-35
	List of Tools & Equipment for Employability Skill	36
11.	Annexure II - Format for Internal Assessment	37

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1. COURSE INFORMATION

During the one-year duration of “Sewing Technology” trade, a candidate is trained on Professional Skill, Professional Knowledge and Employability Skill. In addition to this, a candidate is entrusted to undertake project work, extracurricular activities and on-the-job training to build up confidence. The broad components covered under Professional Skill subject are as below:-

The broad professional skills covered as part of the skill training starts with making hand stitches in the given fabric; stitching the following using the given fabric: Seams with seam finishes, Darts, Pleats, Tucks, Gathers & Shirrs, Frill, Hem, Casing, Edge Finishing, Neck lines, Placket, Pocket, Collar, Sleeves, Cuff. Then the trainee learns how to fix the fasteners on the given fabric, mend the given fabric as per requirement. He/she is also able to draft a pattern for Ladies' Suit & Sew a Ladies' Suit with the help of the given pattern.

In the later phase of the course, the trainee is trained to sketch different varieties of garments like ladies’ Tops/Short kurties, ladies’ Suit, Nightwear (one piece/two piece), Sari blouse, dresses for new born, toddler & kids etc. They are also able to construct the various garments like sari petticoat, ladies’ top/short kurties, ladies’ Suit, nightwear (One Piece with Yoke, Two Piece – Night suit), sari blouse (Simple Model - Plain), dress for a Newborn(Jhabla), dress for a Toddler (Sun Suit), Kids(Frock), Gent’s Kurta and Pyjamas, Casual Shirt and Trousers with fitting and quality according to the sketched designs.

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2. TRAINING SYSTEM

2.1 GENERAL

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

‘Sewing Technology’ trade under CTS is one of the courses delivered nationwide through a network of ITIs. The course is of one year duration. It mainly consists of Domain area and Core area. The Domain area (Trade Theory & Practical) imparts 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.

Candidates broadly need to demonstrate that they are able to:

- Read and interpret technical parameters/documents, plan and organize work processes, identify necessary materials and tools;
- Perform tasks with due consideration to safety rules, accident prevention regulations and environmental protection stipulations;
- Apply professional skill, knowledge & employability skills while performing jobs.
- Document the technical parameters related to the task undertaken.

2.2 CAREER PROGRESSION PATHWAYS

- Can join Apprenticeship programs in different types of industries leading to a National Apprenticeship certificate (NAC).
- Can join Crafts Instructor Training Scheme (CITS) in the trade for becoming an 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: -

S No.	Course Element	Notional Training Hours
1.	Professional Skill (Trade Practical)	1320
2.	Professional Knowledge (Trade Theory)	264
3.	Employability Skills	110
5.	Library & Extracurricular activities	66
6.	Project Work	240
7.	Revision & Examination	80
	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 year 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 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

For the purposes of determining the overall result, weightage of 100% is applied for six months and one year duration courses and 50% weightage is applied to each examination for two years courses. The minimum pass percent for Practical is 60% & minimum pass percent for Theory subjects is 33%.

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 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 skills and accuracy in the field of work/ assignments. • A fairly good level of neatness and consistency to accomplish job activities. • Occasional support in completing the task/ 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 and accuracy in the field of work/ assignments. • A good level of neatness and consistency to accomplish job activities. • Little support in completing the task/ 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 organization and execution and with due	<ul style="list-style-type: none"> • High skill levels and accuracy in the field of work/ assignments. • A high level of neatness and consistency to

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

accomplish job activities.
Minimal or no support in completing the task/ job.



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Brief description of Job roles:

Tailor, General: Tailor General makes ladies and gents' garments and children's clothes by stitching various components together according to pattern, by hand or sewing machine. Measures customers for size with inch-tape and record measurements for making garments. Cuts material according to pattern and size and assembles garment parts by sewing. Fits stitched garment on customer, marks alterations to be made and finishes garments. May prepare new designs and Masden Lays and supervise sewing, stitching, button holing, etc. delegated to other workers. May also repair and renovate garments.

Sampling tailor; is responsible for developing garment sample as per buyer's specifications in the apparel industry. A sampling tailor should be able to perform basic fabric cutting operations and stitch garments of various designs with different necklines, sleeves, collar etc. as per the quality standards. This job requires the individual to have thorough knowledge of measurements, garment styles, sampling and apparel production processes and should be able to sew garments with different materials and trims.

Dress Maker/ Ladies Dress Maker; stitches together parts of women's garments such as dresses, blouses, jumpers, brassieres, etc., according to instructions of Master Cutter. Stitches together parts by hand and machine. Inserts inner material, makes embroidery work, button-holes, etc., and attaches lining, lace, button, etc. Carries out alteration as directed. May press garments and supervise work of Sewer, Hand.

Reference NCO- 2015:

- (i) 7531.0100: Tailor, General
- (ii) 7531.0101 : Sampling tailor
- (iii) 7531.0200: Dress Maker/Ladies Dress Maker

4. GENERAL INFORMATION

Name of the Trade	Sewing Technology
NCO – 2015	7531.0100, 7531.0101 , 7531.0200
NSQF Level	Level-4
Duration of Craftsmen Training	One Year
Entry Qualification	Passed 10 th class examination
Unit Strength (No. of Student)	20
Space Norms	64 Sq. m
Power Norms	5 KW
Instructors Qualification for:	
(i) Sewing Technology Trade	<p>Degree in Fashion & Apparel Technology from recognized College /university with one year experience in the relevant field.</p> <p style="text-align: center;">OR</p> <p>Diploma in Garment fabrication Technology / Costume Design & Dress Making from recognized board of technical education with two years" experience in the relevant field.</p> <p style="text-align: center;">OR</p> <p>NTC/NAC passed in the Trade of "Sewing Technology" earlier named as "Cutting & Sewing" with 3 years post-qualification experience in the relevant field.</p> <p>Essential Qualification: Craft Instructor Certificate in relevant trade under NCVT.</p> <p>Note: <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>
(ii) Employability Skill	<p>MBA OR BBA with two-year experience OR Graduate in Sociology/ Social Welfare/ Economics with two-year experience OR Graduate/ Diploma with two-year experience and trained in Employability Skills from DGT institutes.</p> <p style="text-align: center;">AND</p>

	Must have studied English/ Communication Skills and Basic Computer at 12 th / Diploma level and above. OR 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 Hrs/ Week	Trade Practical	Trade Theory	Employability Skills	Extracurricular Activity
40 Hours	30 Hours	6 Hours	2 Hours	2 Hours



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5. NSQF LEVEL COMPLIANCE

NSQF level for **'Sewing 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 **'Sewing 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 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. Work in a team, understand and practice soft skills, technical English to communicate with required clarity.
3. Understand and explain the concept in quality tools and labour welfare legislation and apply such in day to day work to improve productivity & quality.
4. Explain energy conservation, global warming and pollution and contribute in day to day work by optimally using available resources.
5. Explain entrepreneurship and manage/organize related task in day to day work for personal & societal growth.
6. Understand and apply basic computer working, basic operating system and uses internet services to get accustomed & take benefit of IT developments in the industry.

6.2 SPECIFIC LEARNING OUTCOME

7. Make hand stitches in the given fabric.
8. Stitch the following using the given fabric:
 - Seams with seam finishes
 - Dart
 - Pleat
 - Tucks
 - Gathers & Shears
 - Frills
 - Hems
 - Casing
 - Edge Finishing
 - Neck line
 - Placket
 - Pocket
 - Collar

- Sleeve
 - Cuff
9. Fix the fasteners on the given fabric.
 10. Mend the given fabric.
 11. Draft a pattern for Ladies' Suit.
 12. Sew a Ladies' Suit with the help of the given pattern.
 13. Sketch the following garments:
 - Ladies' Tops/Short kurties
 - Ladies' Suit
 - Nightwear (one piece/two piece)
 - Sari Blouse
 - Dresses for New Born
 - Dresses for Toddler
 - Dresses for Kids
 14. Construct the following garments with fitting and quality according to the sketched designs:
 - Sari Petticoat
 - Ladies' Top/Short Kurties
 - Ladies' Suit
 - Nightwear (One Piece with Yoke)
 - Nightwear (Two Piece – Night suit)
 - Sari Blouse (Simple Model - Plain)
 - Dress for a Newborn(Jhabla)
 - Dress for a Toddler (SunSuit)
 - Dress for Kids(Frock)
 - Gent's Kurta and Pyjamas
 - Gent's Casual Shirt
 - Gent's Trousers

7. LEARNING OUTCOME WITH ASSESSMENT CRITERIA

GENERIC LEARNING OUTCOME	
LEARNING 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 and according to site policy.
	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 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 Protective 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 the avoidance of instances of environmental pollution.
	1.13 Deploy environmental protection legislation & regulations
	1.14 Take opportunities to use energy and materials in an environmentally friendly manner
	1.15 Avoid waste and dispose waste as per procedure
	1.16 Recognize different components of 5S and apply the same in the working environment.
2 Work in a team, understand and practice soft skills, technical English to communicate with	2.1 Obtain sources of information and recognize information.
	2.2 Use and draw up technical drawings and documents.
	2.3 Use documents and technical regulations and occupationally related provisions.
	2.4 Conduct appropriate and target oriented discussions with higher authority and within the team.

required clarity.	2.5 Present facts and circumstances, possible solutions & use English special terminology.
	2.6 Resolve disputes within the team
	2.7 Conduct written communication.
3 Understand and explain the concept in productivity, quality tools, and labor welfare legislation and apply such in day to day work to improve productivity & quality.	3.1 Demonstrate elementary first-aids.
	3.2 Identify emergency exit route.
	3.3 Demonstrate fire fighting procedure using fire extinguishers.
4 Explain energy conservation, global warming and pollution and contribute in day to day work by optimally using available resources.	4.1 Explain the concept of energy conservation, global warming, pollution and utilize the available resources optimally & remain sensitive to avoid environment pollution.
	4.2 Dispose waste as per the standard procedure.
5 Explain entrepreneurship and manage/organize related task in day to day work for personal & societal growth.	5.1 Explain personnel finance and entrepreneurship.
	5.2 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 familiarize with the policies/ programmes, procedure & the available scheme.
	5.3 Plan and prepare Project report to become an entrepreneur for submission to financial institutions.
6 Understand and apply basic computer working, basic operating system, simulate part services to get accustomed & take benefit of IT developments in the industry.	6.1 Final examination to test knowledge on basic computer working, basic operating system and uses internet services.
	6.2 Their applications will also be assessed during execution of assessable outcome.

SPECIFIC LEARNING OUTCOME	
LEARNING OUTCOME	ASSESSMENT CRITERIA
7. Make hand stitches in the given fabric	7.1 Identify tools for Cutting, Sewing & Finishing and use of these tools with safety.
	7.2 Select suitable fabric. Select suitable needle size and sewing thread according to fabric.
	7.3 Straighten the fabric grain.
	7.4 Maintain the distance between two stitches. Take care about length and width of the stitches.
	7.5 Follow the color combination while doing the decorative stitches.
	7.6 Finish the edge of the fabric using hemming stitch.
	7.7 Follow the safe measures and needle guard policy while doing the sewing.
8. Stitch the following using the given fabric	8.1 Identify tools for Cutting, Sewing & Finishing and use of these tools with safety.
	8.2 Select suitable fabric. Select suitable needle size and sewing thread according to fabric.
	8.3 Straighten the fabric grain.
	8.4 Sit in a correct posture and test the stitch formation in these wing machine.
	8.5 Use proper sewing aids while sewing the garment.
	Seams with seam finishes
	8.6 Use appropriate stitching techniques such as single pointed darts, plain seam, continuous placket, casing and decorative hem.
	8.7 Check the direction of darts.
	8.8 Finish the garment by applying suitable fasteners.
	Dart
	8.9 Mark the dart properly at the start and the end.
	8.10 Stitch the dart and knot the dart end.
	8.11 Press the dart.
	Pleat
	8.12 Mark the pleat lines.
	8.13 Stitch the pleat.
	8.14 Check distance in between the pleats.
8.15 Press the Pleat.	
Tucks	
8.16 Mark the tuck lines.	
8.17 Stitch the tucks.	

8.18	Finish the stitching at the tuckend.
8.19	Press the tucks.
Gathers and Shirrs	
8.20	Marks the start and end of gathers.
8.21	Check the equal distribution of gathers.
8.22	Stitch in straight lines.
8.23	Thread the overlock machine.
8.24	Finish the free edge by overlock machine.
8.25	Press the fabric at the end.
8.26	Mark and cut the frill strips.
Frills	
8.27	Finish the edge of the frill.
8.28	Attach the frill to a fabric.
8.29	Mark the hem with proper tools.
Hems	
8.30	Maintain equal folding throughout the hem.
8.31	Properly finish the corner in case of mitered hem.
8.32	Mark the allowance for casing in the fabric.
Casing	
8.33	Turn the fabric equally while stitching casing.
8.34	Finish the edge of the casing at the opening side.
8.35	Maintain the straight line while stitching.
8.36	Make the bias strips.
Edge finishing	
8.37	Join the bias strips properly.
8.38	Attach the bias strip on the curved lines.
8.39	Cut & clip in the curved lines.
8.40	Maintain the shape of the necklines.
Neckline	
8.41	Select the proper method of finishing the neckline.
8.42	Follow perfection while stitching in curves.
8.43	Maintain neatness and balance throughout the process.
8.44	Finish the end point of the placket.
Placket	
8.45	Mark and cut the finishing strips.
8.46	Follow straight edge stitching.
8.47	Select and mark the placement of the pocket.
Pocket	
8.48	Stitch neatly the corners in case of patch pockets.
8.49	Secure the ends of the pocket mouth.
8.50	Follow neatness while sewing with the base fabric.
8.51	Select suitable interlining and its facing for the main fabric.
Collar	

	8.52	Check the balance of the collars.
	8.53	Maintain shapes at the both ends of the collars.
	8.54	Follow sharp collar points while turning the collar.
	8.55	Check the fabric suits the sleeve style.
	Sleeve	
	8.56	Cut the fabric for sleeve by following proper fabric grain.
	8.57	Finish the bottom of the sleeve neatly.
	8.58	Select suitable interlining material according to main fabric.
	Cuff	
	8.59	Fix or Fuse the interlining to the main fabric.
	8.60	Maintain neatness while sewing the corners of the cuff.
	8.61	Make neat top stitching on the cuff.
	8.62	Solve the sewing machine problems with suitable remedies after finding the causes.
	8.63	Follow the safe measures and needle guard policy while doing the sewing.
9. Fix the fasteners on the given fabric	9.1	Select a suitable fastener according to the requirement.
	9.2	Maintain neatness while starting and ending stage of fixing fasteners.
	9.3	Match male & female part of fasteners.
	9.4	Fix the size of the buttonhole according to the button.
	9.5	Follow equidistance and equal height with neatness of button hole stitches.
10. Mend the given fabric	10.1	Select the thread with suitable color and quality for patching.
	10.2	Finish neatly the darned or patched piece.
11. Draft a pattern for Ladies' Suit	11.1	Identify tools for measuring, marking, drafting & cutting and use of these tools with safety.
	11.2	Explain the measuring units and measuring techniques for required measurements.
	11.3	Draft the pattern for a Ladies' Suit. Use the paper economically and check for shapes, front and back shoulder, side seams.
	11.4	Cut the pattern using shears properly along the cutting line and check cutting edges.
	11.5	Finish the pattern with pattern particulars.
12. Sew a Ladies' Suit with the help of the given pattern	12.1	Identify tools for Sewing & Finishing and use of these tools with safety.
	12.2	Select suitable fabric for the garment and select suitable needle size and sewing thread according to fabric.
	12.3	Straighten the fabric grain.
	12.4	Place the patterns on the fabric and mark the pattern outline

	properly.
	12.5 Cut the components by selecting suitable tool.
	12.6 Make upper and lower threading in a Industrial Model single needle lock stitch machine.
	12.7 Sit in a correct posture and test the stitch formation.
	12.8 Sew the ladies' suit by applying the component making techniques.
	12.9 Use proper sewing aids while sewing the garment.
	12.10 Finish the garment by applying suitable fasteners.
	12.11 Solve the sewing machine problems with suitable remedies after finding the causes.
	12.12 Follow the safe measures and needle guard policy while doing the sewing.
13. Sketch the following garments. a. Ladies' Tops/Short kurties. b. Ladies' Suit. c. Nightwear (one piece/two piece). d. Sari Blouse. e. Dresses for New Born. f. Dresses for Toddler. g. Dresses for Kids.	13.1 Select a suitable paper for sketching and plan the layout before starting sketching. 13.2 Identify the suitable sketching items and use them properly. 13.3 Sketch the garment. 13.4 Select the proper colors and color combinations. 13.5 Apply colors and shade on the sketch.
14. Construct the following garments with fitting and quality according to the sketched designs	14.1 Identify tools for Drafting, Cutting, Sewing & Pressing and use of these tools with safety. 14.2 Decide the design features of the garment according to the sketching. 14.3 Select the fabric and other raw materials suitable for the garment. 14.4 Explain the measuring units and measuring techniques for required measurements. 14.5 Draft the pattern for the garment. Use the paper economically. 14.6 Cut the pattern using shears properly along the cutting line. 14.7 Finish the pattern with pattern particulars. 14.8 Straighten the fabric grain and prepare the fabric for cutting. 14.9 Select and make a suitable economical pattern layout on the fabric and estimate the fabric consumption. 14.10 Mark the pattern outline properly and cut the components by selecting suitable shears. 14.11 Identify and select the suitable industrial sewing machines for

	each process of constructing the garment.
	14.12 Select suitable needle size and sewing thread according to fabric.
	14.13 Make upper and lower threading in the required Industrial Model sewing machines.
	14.14 Sew the garments using the Industrial model sewing machines with sewing aids by following proper seam and other allowances.
	Sari Petticoat
	14.15 Use appropriate stitching techniques such as single pointed darts, plain seam, continuous placket, casing and Circular/decorative hem.
	14.16 Check the direction of darts.
	14.17 Finish the garment by applying suitable fasteners.
	Ladies' Top/Short Kurthies
	14.18 Select the particular seam type suited to the particular area of the garment.
	14.19 Check the front kurta placket, Faced neckline and squared hem.
	14.20 Check the neckline edge finished with facing of Kameez.
	14.21 Stitch neatly the Squared turned up bottom hem & Turned up sleeve bottom of Kameez.
	14.22 Maintain neatness in armhole joints and there should be no puckering at armhole joints in Kameez.
	14.23 Stitch neatly the according to the design of salwar bottom.
	14.24 Fold down the casing uniformly in salwar.
	14.25 Maintain proper positioning and distribution of cluster pleats in salwar.
	14.26 Finish the belt finishing of salwar properly.
	Nightwear (One Piece with Yoke)
	14.27 Stitch the yoke and neck in proper shape.
	14.28 Use appropriate sleeve pattern.
	14.29 Distribute the gathers properly.
	14.30 Stitch with no puckering at armhole.
	14.31 Finish the neckline properly with clean.
	14.32 Finish the Turned up hem neatly.
	14.33 Make the flare of nightwear with proportion.
	Nightwear (Two Piece – Night suit)
	14.34 Stitch the Front placket of the Shirt neatly.
	14.35 Finish the neckline with Convertible collar.
	14.36 Stitch Full/Half plain sleeve with turned up bottom.
	14.37 Make the Squared turned up bottom hem properly.
	14.38 Stitch the two patch pockets with hem with proper position.
	14.39 Maintain neatness while stitching Fold down casing and turned

	up hem in Simple Pyjamas.
	Sari Blouse (Simple Model - Plain)
	14.40 Select suitable fabric.
	14.41 Check the dart positions.
	14.42 Finish the neckline with pipings.
	14.43 Sew Front Placket neatly.
	14.44 Check the position and finishing of fasteners.
	14.45 Finish the hemline neatly.
	14.46 No puckering should be anywhere in the blouse.
	Dress for a Newborn (Jhabla)
	14.47 Select a smooth soft fabric suitable for a newborn baby.
	14.48 Press studs or strings should be used.
	14.49 Finish the turned up hem.
	14.50 Finish the Neckline and armhole with combined facings.
	Dress for a Toddler (Sun Suit)
	14.51 Select a fabric properly.
	14.52 Check that the elastic should not be very tight.
	14.53 Check the finishing of the strap and bib attached to the bloomer.
	14.54 Check the design element of sun suit.
	14.55 Fix suitable fasteners.
	Dress for Kids (Frock)
	14.56 Check the design element of frock.
	14.57 Check the finishing in stitching lines.
	14.58 Check the Proportionate and equally distributed gathers.
	14.59 Stitch the Puffed Sleeve proportionately.
	14.60 Check the position of the placket and fasteners.
	14.61 Check the Overall finishing in hand work such as attachments of fasteners, hemming and neckline finishing.
	14.62 Make the collar with proper shape.
	14.63 Check the quality of the Turned up hem.
	Gent's Kurta and Pyjamas
	14.64 Make two piece placket in Kurta.
	14.65 Finish the neckline with continuous facing.
	14.66 Make the Squared hem neatly.
	14.67 Finish the Inseam kurta pocket properly.
	14.68 Fold down the casing of pyjamas neatly.
	14.69 Finish the side pocket.
	14.70 Secure the end of pocket.
	14.71 Match seam at the intersecting points of the seam lines.
	Gent's Casual Shirt
	14.72 Check the shape of collar, cuff, pocket, and its finishing.
	14.73 Check the finishing of placket and placement of button and

	buttonholes.
	14.74 Check the yoke shape and pleat position below the yoke.
	14.75 Make the Sleeve placket and check the position of pleats.
	14.76 Check the overall finishing of shirt.
	Gent's Trousers
	14.77 Assure that Side pocket/Back hip pocket and fly placket ends should be secured properly.
	14.78 Sew the side seams without puckering.
	14.79 Make the loops, pleats and darts with proper placement.
	14.80 Check the alignment of both left and right side of Waist band.
	14.81 Check the finishing of side pocket and back hip pocket.
	14.82 Finish and hem the bottom properly.
	14.83 Check the fitting of the garment.
	14.84 Check the measurements and Quality of the garments and
	14.85 find the defects and stains if any.
	14.86 Correct the defects and remove the stains if any.
	14.87 Press and folding the garment using pressing tools and folding accessories.
	14.88 Solve the sewing machine problems with suitable remedies after finding the causes.
	14.89 Follow the safe measures and needle guard policy while doing the sewing and other operations.

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SYLLABUS - SEWING TECHNOLOGY			
Duration – One Year			
Week No.	Reference Learning Outcome	Professional Skills (Trade Practical) With Indicative Hours	Professional Knowledge (Trade Theory)
1	Comply with environment regulation and housekeeping	1. Familiarization with the Institute. (30 hrs)	Introduction <ul style="list-style-type: none"> • Trade • Job Prospects • Safety precautions • First Aid
2	Apply safe working practices	2. Familiarization & handling of tools. (15 hrs) 3. Safety Precautions while handling the tools. (15 hrs)	Basic Industrial Terminology Trade related Tools, their importance, usage and safety <ul style="list-style-type: none"> • Measuring Tools • Drafting Tools • Marking Tools • Cutting Tools • Sewing Tools • Finishing Tools
3-4	Make hand stitches in the given fabric	4. Identification of fabrics and texture. (15 hrs) 5. Handling of Fabrics. (20 hrs) 6. Making weave samples. (25 hrs)	Fabric Fundamentals <ul style="list-style-type: none"> • Brief idea about fibers • Types of Fabrics • Selection of Needle and thread according to fabric types • Broken Needle Policy Fabric Preparation for cutting <ul style="list-style-type: none"> • Fabric Grain • Selvedge • Shrinkage • Straightening the fabric Grains Measurements • Units • Measuring Techniques
5-6	-do-	Practice on Industrial Single needle lock stitch Sewing Machine 7. Ergonomic principle of sitting on sewing machine. (8 hrs)	Basic Sewing Machine <ul style="list-style-type: none"> • Parts and functions • Machine needle • Stitch formation • Sewing machine practice • Care and maintenance

		<p>8. Speed Control. (10 hrs)</p> <p>9. Practice on paper. (12 hrs)</p> <p>10. Threading of machine. (10 hrs)</p> <p>11. Bobbin winding & loading. (5 hrs)</p> <p>12. Practice on fabric. (15 hrs)</p>	<ul style="list-style-type: none"> • Trouble-Shooting • Types of Industrial Sewing Machine
7	-do-	<p>13. Running on (10 hrs)</p> <ul style="list-style-type: none"> • Straight lines • Square • Zigzag lines • Circle • Semicircle • Spiral. <p>14. Practice on Over lock machine</p> <ul style="list-style-type: none"> • Threading • Running • Minor adjustments. (20 hrs) 	<p>Over lock machine</p> <ul style="list-style-type: none"> • Parts and functions • Machine practice • Care and maintenance • Trouble <p>Shooting Basic</p> <p>Garment</p> <p>Analysis</p>
8	Stitch the following using the given fabric: Seams with seam finishes, Darts, Pleats, Tucks, Gathers & Shirrs, Frill, Hem, Casing, Edge Finishing, Neck lines, Placket, Pocket, Collar, Sleeves, Cuff.	<p>15. Practice of making Seams (20 hrs)</p> <ul style="list-style-type: none"> • Plain Seam (Straight & Curved) with seam finishes • Self Enclosed seams • Top stitched seams • Corded Seam • Decorative seams <p>16. Practicing with Sewing Aids. (10 hrs)</p>	<p>Seams</p> <ul style="list-style-type: none"> • Classification • Uses • Properties of Seams • Seam finishes <p>Sewing Aids</p> <ul style="list-style-type: none"> • Presser foots • Folders • Guides
9	-do-	<p>17. Making Samples of</p> <ul style="list-style-type: none"> • Darts • Pleats. (30 hrs) 	<p>Introducing Fullness</p> <ul style="list-style-type: none"> • Darts – Necessity, type & precautions during stitching • Pleats – Necessity, type & uses
10	-do-	<p>18. Making Samples of</p> <ul style="list-style-type: none"> • Tucks • Gathers and Shirrs • Frills. 	<p>Introducing Fullness</p> <ul style="list-style-type: none"> • Tucks – Types & use • Gathering and Shirring • Flare

		(30 hrs)	<ul style="list-style-type: none"> Ruffles/Frills – Types (Straight & Circular) & uses
11	-do-	19. Practice of Hand stitches & Making Samples of them. (30 hrs)	<p>Hand stitches</p> <ul style="list-style-type: none"> Hand needles – Size & types Sewing Thread Types & Applications of hand stitches
12	-do-	<p>20. Making samples of</p> <ul style="list-style-type: none"> Faced Hem Edge stitched hem Double stitched hem Band hem Ease in ahem Mitered hem. (17 hrs) <p>21. Practice of the corner makings</p> <ul style="list-style-type: none"> Self turned With additional strip. (13 hrs) 	<p>Hems</p> <ul style="list-style-type: none"> Types Uses <p>Corner Makings</p> <ul style="list-style-type: none"> Types Uses
13-14	-do-	<p>22. Making samples of :</p> <ul style="list-style-type: none"> Casing with Drawstring Casing with elastic Casing with heading Inside applied casing Outside applied casing. (25 hrs) <p>23. Making samples of edge finishing:</p> <ul style="list-style-type: none"> Bias facing Combination shaped facing Outside facing Self facing Shaped facing Binding Piping (35 hrs) 	<p>Casing</p> <ul style="list-style-type: none"> Introduction Use <p>Edge Finishing</p> <ul style="list-style-type: none"> Facings Bindings Pipings
15	-do-	24. Making samples of different shaped necklines. (30 hrs)	<p>Necklines</p> <ul style="list-style-type: none"> Different shapes of neckline

16	-do-	25. Making samples of Plackets: (30 hrs) <ul style="list-style-type: none"> • Faced Placket • Continuous Placket • One Piece Placket • Two Piece Placket • Two piece Placket with pleat • Zippered Placket <ul style="list-style-type: none"> ➤ Lapped ➤ Fly Front ➤ Open End ➤ Invisible ➤ Visible 	Plackets <ul style="list-style-type: none"> • Types • Sample makings
17	-do-	26. Making samples of different Pockets (30 hrs) <ul style="list-style-type: none"> • Patch • Inseam • Cut/slash 	Pockets <ul style="list-style-type: none"> • Types • Design variations
18	-do-	27. Samples of making Collars. (30 hrs)	Collars <ul style="list-style-type: none"> • Classification • Collar terms
19	-do-	28. Samples of making Sleeves. (30 hrs)	Sleeves <ul style="list-style-type: none"> • Classification • Sleeve length variation • Sample making of Sleeves with and without cuff.
20	Fix the fasteners on the given fabric.	29. Practice of fixing fasteners as Buttons, Hooks, Eyes, Press Studs. (18 hrs) 30. Practice of making Button holes by Hand. (12 hrs)	Trimmings <ul style="list-style-type: none"> • Types • Applications • Fixing of Buttons, hooks etc. • Making of Buttonhole
21	Mend the given fabric.	31. Practicing Darning and Patching. (30 hrs)	Mending <ul style="list-style-type: none"> • Darning • Patching
22-23	Draft a pattern for Ladies' Suit and sew a Ladies' Suit with the help of the given pattern.	32. Stitching of Ladies suit. (60 hrs)	Drafting & developing Pattern for Ladies suit.

24-25	Project Work/ Industrial Training		
	<ul style="list-style-type: none"> Prepare Minimum three Basic Dresses using the skills learned like Apron, Baby set, A-Line Frock etc. 		
26	Revision		
27	<p>Sketch the following garments.</p> <ul style="list-style-type: none"> Ladies' Tops/ Short kurties. Ladies' Suit. Nightwear (one piece/ two piece). Sari Blouse. Dresses for New Born. Dresses for Toddlers. Dresses for Kids. 	<p>33. Practice of taking Body Measurements. (30 hrs)</p>	<p>Human Figures</p> <ul style="list-style-type: none"> Eight Head Theory Brief introduction about Joints and Muscles Types of Figures Body Measurements Importance Types & Measuring Techniques Precautions Measurement Charts
28	-do-	<p>34. Practicing different types of layout using the given patterns. (30 hrs)</p>	<p>Patterns</p> <ul style="list-style-type: none"> Importance Pattern Information Types of Spreading & Pattern Layout Importance Spreading methods/machines Types of layout Pattern Drafting Drafting/Pattern Terminology Principles of Pattern drafting
29-32	-do-	<p>35. Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of Sari Petticoat. (90 hrs)</p> <p>36. Checking the Fitting of the garment. (30 hrs)</p>	<p>Pressing</p> <ul style="list-style-type: none"> Tools Methods <p>Importance of Pressing Trial Room</p> <ul style="list-style-type: none"> Necessity Specification <p>Sketching and drafting of Sari Petticoat.</p>
33	-do-	<p>37. Practice on special industrial sewing machines – (30 hrs)</p> <ul style="list-style-type: none"> Double Needle Machine 	<p>Mass Production Process –</p> <ul style="list-style-type: none"> Sequence of operations Types of cutting machines Fusing Technology Types of Industrial

		<ul style="list-style-type: none"> • Button Hole Machine • Button Sewing Machine • Multipurpose Machine (Zigzag) • Bar Tack machine • Feed off the Arm Double Needle 	<p>Machines Used in sewing section</p> <ul style="list-style-type: none"> • Finishing
34-37	<p>Construct the following garments with fitting and quality according the sketched designs.</p> <ul style="list-style-type: none"> • Sari Petticoat. • Ladies' Top / Short kurties. • Ladies' Suit. • Nightwear (one piece with Yoke). • Nightwear (Two piece-Night Suit). • Dresses for New Born (Jhabla) . • Dresses for Toddlers (Sunsuit). • Dresses for Kids (Frock). • Gent's Kurta and Pyjamas. • Gent's Casual Shirt. • Gent's Trousers. 	<p>Ladies Wear</p> <p>38. Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of the following garments with design variations</p> <ul style="list-style-type: none"> • Ladies Tops/Short kurties • Ladies suit • Night wear (one piece/two piece) • Sari blouses <p>(90 hrs)</p> <p>39. Checking the Fitting of the garment. (30 hrs)</p>	<p>Sketching and drafting of the following garments-</p> <ul style="list-style-type: none"> • Ladies Tops/Short kurties • Ladies suit • Night wear (one piece/two piece) • Sari blouses
38-41	-do-	<p>Kids Wear</p> <p>40. Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of the following garments with design variations</p> <ul style="list-style-type: none"> • Dresses for newborn • Dresses for Toddler • Dresses for Kids. <p>(85 hrs)</p> <p>41. Checking the Fitting of the garment. (35 hrs).</p>	<p>Sketching and drafting of the following garments-</p> <ul style="list-style-type: none"> • Dresses for newborn • Dresses for Toddler • Dresses for Kids

42-46	-do-	<p>Gents Wear</p> <p>42. Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of the following garments with design variations</p> <ul style="list-style-type: none"> • Kurta & Pyazama • Casual Shirts & Trousers <p>(110 hrs)</p> <p>43. Checking the Fitting of the garment. (40 hrs)</p>	<p>Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of the following garments with design variations</p> <ul style="list-style-type: none"> • Kurta & Pyazama • Casual Shirts & Trousers
47	-do-	<p>44. Methods of removing different kinds of stains in fabrics. (18 hrs)</p> <p>45. Checking of garments in respects of –</p> <ul style="list-style-type: none"> • Measurements • Stitching • Stains • Defects • Correcting measures. <p>(12 hrs)</p>	<p>Laundry Stains</p> <ul style="list-style-type: none"> • Classification • Removing techniques <p>Quality Control</p> <ul style="list-style-type: none"> • Definition, need & planning • Types of Inspection • Stages of Inspection • Role of Quality Controller
48-49	Industrial Training		
50-51	<p>Project Work</p> <p>Choose any four garments mentioned above with specification sheet, Pattern & neatly finished garments and present the same.</p>		
52	Revision & Examination		

Note: -

1. Some of the sample project works (indicative only) are given at the mid and end of each year.
2. The instructor may design their own project and also inputs from local industry may be taken in designing such new project.

3. *The project should broadly cover maximum skills in the particular trade and must involve some problem solving skill. Emphasis should be on Teamwork: Knowing the power of synergy/ collaboration, work to be assigned to a group (Group of at least 4 trainees). The group should demonstrate Planning, Execution, Contribution and Application of Learning. They need to submit a project report.*
4. *If the instructor feels that for execution of specific project more time is required then he may plan accordingly in appropriate time during the execution of normal trade practical.*



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9. SYLLABUS - CORE SKILLS

CORE SKILL – EMPLOYABILITY SKILL	
Duration: 110 hrs.	
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.
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, vibroacoustichazards, 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.



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LIST OF TOOLS & EQUIPMENT			
SEWING TECHNOLOGY (for Batch of 20 Candidates)			
S No.	Name of the Tools and Equipment	Specification	Quantity
A. TRAINEES TOOL KIT			
1.	Measuring Tape	150 cm	21 Nos.*
2.	Seam Ripper		21 Nos.*
3.	Thimble		21 Nos.*
4.	Tailor's Card Scale Triangular		21 Nos.*
5.	Tailors Square	Plastic	21 Nos.*
6.	French Curve	Set of three	21 Set*
7.	Thread Cutter	24"	21 Nos.*
8.	Scale plastic		21 Nos.*
B. DRAFTING/CUTTING /SEWING ROOM TOOLS & EQUIPMENT			
9.	Scissors	25 cm	21 Nos.*
10.	Pinking Shears		05 Nos.
11.	Leg Shaper	Plastic	21 Nos.*
12.	Garment Hangers		21 Nos.*
13.	Screw Driver Set		04 sets
14.	Table Sharpener		04 Nos.
15.	Pressing Table		05 Nos.
16.	Blanket for padding of Pressing Table		05 Nos.
17.	Rubber mat	Size as per requirement	05 Nos.
18.	Sprayer		05 Nos.
19.	Waste Bin Big / Small		10 Nos.
20.	Pattern Punch		05 Nos.
21.	Pattern Notcher		05 Nos.
22.	Pattern Hanging Stand		04 Nos.
23.	Water Tub	60 cm dia	01 No.
24.	Stand for hanging dresses		05 Nos.
25.	Trial room with arrangements of hanging Dresses	3 side mirrors of size 150 cm x 60 cm each	01 No.
26.	Electric Automatic steam press		05 Nos.
27.	Sewing Machine -	Single Needle Lock stitch Industrial model	20 Nos.*
28.	Over Lock Machine 3 Thread		01 No.
29.	Zigzag Multi Purpose Machine		01 No.

30.	Double Needle Machine		01 No.
31.	Button Hole machine		01 No.
32.	Button Sewing Machine		01 No.
33.	Bar Tack Machine		01 No.
34.	Feed off the arm Double Needle		01 No.
35.	Machine attachments		As required
36.	Chairs with low back rest or stools for the machines		20 Nos.*
37.	Drafting Table		10 Nos.*
38.	Display Board Covered with glass or Acrylic Sheet	120 x 90 cm	02 Nos.
39.	Instructor Table		01 No.
40.	Instructor Chair		02 Nos.
41.	Steel Almirah	195x 90 x 60 cm	02 Nos.
42.	Pigeon hole Almirah	10 lockers with separate locking arrangements for trainees	02 Nos.
43.	Locks for above pigeon hole		20 Nos.*
44.	Wall Clock		03 Nos.
45.	Calculator Desk Type		01 No.
46.	White Board with accessories	Size as per requirement	02 Nos.
47.	Dummy Lady, Men, Kid	Different sizes	02 each

C. THEORY ROOM

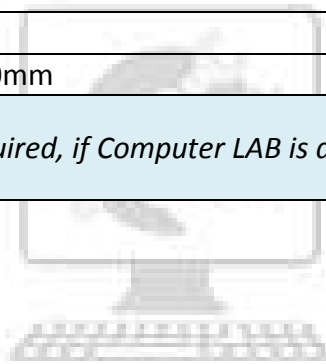
48.	Single desks for trainees with arrangements of keeping Books etc.		20 Nos.*
49.	Revolving Chairs without arms		20 Nos.*
50.	Faculty Table & Chair set		01 No.
51.	Computer set with UPS & multimedia projector		01 No.
52.	White Magnetic Board with Felt board & accessories		01 No.
53.	Display Board		02 Nos.
54.	Storage Almirah		01 No.
55.	Book Shelf		01 No.
56.	A/C unit split type	2 TR capacity with Stabilizer	As required

Note: -

1. All the tools and equipment are to be procured as per BIS specification.
2. Quantity marked with * has been increased as per the batch size.
3. Internet facility is desired to be provided in the class room.
4. Trainees Tool kit may be treated as consumables in respect of trainees actually completing the course of one year.

TOOLS & EQUIPMENT 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 & Equipment 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:		Examination:		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 & Economical use of materials	Attendance/ Punctuality	Ability to follow Manuals/ Written instructions	Application of Knowledge	Skills to Handle Tools/ Equipment/ Instruments/ Devices	Economical use of Materials	Working Strategy	Quality in Workmanship/ Performance	VIVA		
1														
2														