



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

COMPETENCY BASED CURRICULUM
CUTTING & SEWING

(FOR VISUALLY IMPAIRED)
(Duration: One Year)

CRAFTSMEN TRAINING SCHEME (CTS)
NSQF LEVEL- 3



SECTOR –APPAREL



Directorate General of Training

CUTTING & SEWING

(FOR VISUALLY IMPAIRED)

(Non-Engineering Trade)

(Revised in 2019)

Version: 1.2

CRAFTSMEN TRAINING SCHEME (CTS)

NSQF LEVEL - 3

Developed By

Ministry of Skill Development and Entrepreneurship

Directorate General of Training

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1. COURSE INFORMATION

During the one-year duration of “Cutting & Sewing (For Visually Impaired)” trade, a candidate is trained on Professional Skill, Professional Knowledge and Employability Skill related to job role. 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 trainees will comply with environment regulation and housekeeping, apply safe working practices. They will able to Identify, select and Make hand stitches in the given fabric. They can 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. They will also able to fix the fasteners on the given fabric and also acquire skill of drafting the pattern and sew a Ladies Suits.

The trainees will Take the appropriate body measurement and record the dimension. They can Identify, select the different types of patterns and apply. They will also able to Draft Paper Pattern Making, Cloth cutting and of Ladies wear, kids wear & gents wear.

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 Directorate General of Training (DGT). Craftsman Training Scheme (CTS) with variants and Apprenticeship Training Scheme (ATS) are two pioneer programs of DGT for propagating vocational training.

‘Cutting & Sewing (For Visually Impaired)’ trade under CTS is one of the popular 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 DGT which is recognized worldwide.

Candidates broadly need to demonstrate that they are able to:

- Read & interpret technical parameters/documentation, identify necessary materials and tools.
- Perform task with due consideration to safety rules, accident prevention regulations and environmental protection stipulations;
- Apply professional knowledge & employability skills while performing the job.

2.2 PROGRESSION PATHWAYS

- After successful completion of the course the trainees will be able to work as Tailor, Master Tailor, Stretcher and entrepreneur.
- Can join industry as Craftsman and will progress further as Senior Craftsman, Supervisor and can rise up to the level of Manager.
- Can become Entrepreneur in the related field.
- Can join Advanced Diploma (Vocational) courses under DGT as applicable.

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)	1200
2	Professional Knowledge (Trade Theory)	240
3	Employability Skills	160
	Total	1600

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 DGT from time to time.

a) The **Continuous Assessment** (Internal) 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 formative assessment template provided on www.bharatskills.gov.in

b) The final assessment will be in the form of summative assessment. The All India Trade Test for awarding NTC will be conducted by **Controller of examinations**, DGT as per the guidelines. The pattern and marking structure is being notified by DGT 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 Trade Practical and Formative assessment is 60% & for all other subjects is 33%. There will be no Grace marks.

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 and records of internal (Formative) 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	<ul style="list-style-type: none"> • Good skill levels and accuracy in the field of work/ assignments. • A good level of neatness and consistency

little guidance, and regard for safety procedures and practices	to accomplish job activities. <ul style="list-style-type: none"> • 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 regard for safety procedures and practices, has produced work which demonstrates attainment of a high standard of craftsmanship.	<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 accomplish job activities. • Minimal or no support in completing the task/ job.

3. JOB ROLE

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.

Cutter, Hand (Textile Product); cuts garment parts and other articles to be sewed together from cloth, canvas, etc., using scissors. Spreads single or multiple layers of cloth, fabric or other material to be cut on table or board. Places pattern on material in such position as to have least wastage. Marks outline on material with chalk. Cuts along outline marked in chalk or around edge of pattern using scissors.

Reference NCO-2015:

- a) 7531.0100 - Tailor, General
- b) 7532.0700 - Cutter, Hand (Textile Product)

4. GENERAL INFORMATION

Name of the Trade	CUTTING & SEWING (For Visually Impaired)
Trade Code	DGT/1102
NCO - 2015	7531.0100, 7532.0700
NSQF Level	Level-3
Duration of Craftsmen Training	One Year (1600 Hours)
Entry Qualification	Passed 8 th class examination (Candidate should be of visually impaired)
Minimum Age	14 years as on first day of academic session.
Eligibility for PwD	Visually impaired
Unit Strength (No. of Student)	12(There is no separate provision of supernumerary seats)
Space Norms	35 Sq. m
Power Norms	4 KW
Instructors Qualification for:	
(i) Cutting & Sewing (For Visually Impaired) Trade	<p>B.Voc/Degree in Fashion/ Apparel Technology from UGC recognized university with One Year Experience in the relevant field.</p> <p style="text-align: center;">OR</p> <p>Diploma (Minimum 2 years) in Dress Making/ Garments Fabricating Technology/ Costume Designing from recognized board or relevant Advanced Diploma (Vocational) from DGT with two years experience in the relevant field.</p> <p style="text-align: center;">OR</p> <p>NTC/NAC passed in Cutting & Sewing/ Dress Making trade with three years experience in the relevant field.</p> <p><u>Essential Qualification:</u> Relevant National Craft Instructor Certificate (NCIC) in any of the variants under DGT.</p> <p>Note:</p> <p>a) Out of two Instructors required for the unit of 2 (1+1), one must have Degree/Diploma and other must have NTC/NAC qualifications. However both of them must possess NCIC in</p>

	<p>any of its variants. b) For differently abled Students it is Preferable that the Instructor should know the sign language. OR He/ She have to learn the sign language within six months of joining.</p>		
(ii) Employability Skill	<p>MBA/ BBA / Any Graduate/ Diploma in any discipline with Two years' experience with short term ToT Course in Employability Skills from DGT institutes. (Must have studied English/ Communication Skills and Basic Computer at 12th / Diploma level and above) OR Existing Social Studies Instructors in ITIs with short term ToT Course in Employability Skills from DGT institutes.</p>		
(iii) Minimum Age for Instructor	21 Years		
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
40 Hours	30 Hours	6 Hours	4 Hours

5. LEARNING OUTCOME

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

5.1 LEARNING OUTCOMES (TRADE SPECIFIC)

1. Identify, select and Make hand stitches in the given fabric following safety precautions.
2. 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.
3. Fix the fasteners on the given fabric.
4. Draft the pattern and sew a Ladies' Suit.
5. Take the appropriate body measurement and record the dimension.
6. Identify, select the different types of patterns and apply.
7. Draft Paper Pattern Making, Cloth cutting of ladies' wear.
8. Draft Paper Pattern Making, Cloth cutting of Kids wear.
9. Draft Paper Pattern Making, Cloth cutting of Gents wear.

Note: -

- *It will be the responsibility of Training Centre to impart training in addition to curriculum like Orientation, Mobility, Activities of Daily Living, total communication, use of assistive devices, adaptations for barrier free environment like staircase, lift sign board, ramp, instruments, psychology, sociology of behaviour and technology.*
- *Visually Impaired and other such Disabilities requiring support should be provided Writer (one standard below Trade Entry Level) during examination and given 30 Minutes more than the prescribed time. Please update trainer knowledge for advance techniques and treatment. All material should be in proper quality and quantity. For practical, chart with process must be required.*

6. ASSESSMENT CRITERIA

LEARNING OUTCOMES	ASSESSMENT CRITERIA
<p>1. Identify, select and Make hand stitches in the given fabric following safety precautions.</p>	Identify tools for Cutting, Sewing & Finishing and use of these tools with safety.
	Select suitable fabric. Select suitable needle size and sewing thread according to fabric.
	Straighten the fabric grain
	Maintain the distance between two stitches. Take care about length and width of the stitches.
	Follow the color combination while doing the decorative stitches.
	Finish the edge of the fabric using hemming stitch.
	Follow the safe measures and needle guard policy while doing the sewing.
<p>2. Stitch the following using the given fabric.</p>	Identify tools for Cutting, Sewing & Finishing and use of these tools with safety.
	Select suitable fabric. Select suitable needle size and sewing thread according to fabric.
	Straighten the fabric grain.
	Sit in a correct posture and test the stitch formation in the sewing machine.
	Use proper sewing aids while sewing the garment.
	Use appropriate stitching techniques such as single pointed darts, plain seam, continuous placket, casing and decorative hem.
	Check the direction of darts.
	Finish the garment by applying suitable fasteners.
	Mark the dart properly at the start and the end.
	Stitch the dart and knot the dart end.
	Press the dart.
	Mark the pleat lines.
	Stitch the pleat.
	Check distance in between the pleats.
	Press the Pleat.
	Mark the tuck lines.
	Stitch the tucks.
Finish the stitching at the tuck end.	

	Press the tucks.
	Marks the start and end of gathers.
	Check the equal distribution of gathers.
	Stitch in straight lines.
	Thread the over lock machine.
	Finish the free edge by over lock machine.
	Press the fabric at the end.
	Mark and cut the frill strips.
	Finish the edge of the frill.
	Attach the frill to a fabric.
	Mark the hem with proper tools.
	Maintain equal folding throughout the hem.
	Properly finish the corner in case of mitered hem.
	Mark the allowance for casing in the fabric.
	Turn the fabric equally while stitching casing.
	Finish the edge of the casing at the opening side.
	Maintain the straight line while stitching.
	Maintain the straight line while stitching.
	Make the bias strips.
	Join the bias strips properly.
	Attach the bias strip on the curved lines.
	Cut & clip in the curved lines.
	Maintain the shape of the necklines.
	Select the proper method of finishing the neckline.
	Follow perfection while stitching in curves.
	Maintain neatness and balance throughout the process.
	Finish the end point of the placket.
	Mark and cut the finishing strips.
	Follow straight edge stitching.
	Select and mark the placement of the pocket.
	Stitch neatly the corners in case of patch pockets.
	Secure the ends of the pocket mouth.
	Follow neatness while sewing with the base fabric.
	Select suitable interlining and its facing for the main fabric.
	Check the balance of the collars.

	Maintain shapes at the both ends of the collars.
	Follow sharp collar points while turning the collar.
	Check the fabric suits the sleeve style.
	Cut the fabric for sleeve by following proper fabric grain.
	Finish the bottom of the sleeve neatly.
	Select suitable interlining material according to main fabric.
	Fix or Fuse the interlining to the main fabric.
	Maintain neatness while sewing the corners of the cuff.
	Make neat top stitching on the cuff.
	Solve the sewing machine problems with suitable remedies after finding the causes.
	Follow the safe measures and needle guard policy while doing the sewing.
3. Fix the fasteners on the given fabric.	Select a suitable fastener according to the requirement.
	Maintain neatness while starting and ending stage of fixing fasteners.
	Match male & female part of fasteners.
	Fix the size of the buttonhole according to the button.
	Follow equidistance and equal height with neatness buttonhole stitches.
	Select the thread with suitable color and quality for patching.
	Finish neatly the darned or patched piece.
4. Draft a pattern for Ladies' Suit.	Identify tools for measuring, marking, drafting & cutting and use of these tools with safety.
	Explain the measuring units and measuring techniques for required measurements.
	Draft the pattern for a Ladies' Suit. Use the paper economically - Check for shapes, front and back shoulder, side seams.
	Cut the pattern using shears properly along the cutting line - Check cutting edges.
	Finish the pattern with pattern particulars.
5. Take the appropriate	Take measurement of joints and muscles.

body measurement and record the dimension.	Identify types of figure body measurement.
	Identify Types& Measuring Techniques.
	Follow safety precaution.
	Prepare measurement chart.
	Record the dimensions.
6. Identify, select the different types of patterns and apply.	Make different types of layout using the given patterns.
	Identify and select pattern types.
	Identify Spreading methods/machines.
	Identify Types of layout Pattern Drafting.
7. Draft Paper Pattern Making, Cloth cutting of ladies' wear.	Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of Saree Petticoat.
	Checking the Fitting of the garment.
	Operate Multipurpose Machine (Zigzag).
	Prepare Ladies Tops/Short Kurtis, Ladies suit, Night wear (one piece/two piece), Sari blouses.
8. Draft Paper Pattern Making, Cloth cutting of Kids wear.	Pattern Making of Dresses for new born, Dresses for Toddler, Dresses for Kids.
	Drafting of Dresses for new born, Toddler & Kids.
	Check the Fitting of the garment.
	Follow safety precaution.
9. Draft Paper Pattern Making, Cloth cutting of Gents wear.	Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding for Kurta & Pyjamas.
	Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding for Casual Shirts & Trousers.
	Methods of removing different kinds of stains in fabrics.
	Checking of garments in respects of Measurements, Stitching, Stains, Defects, Correcting measures.
	Checking the Fitting of the garment.

7. TRADE SYLLABUS

SYLLABUS -CUTTING & SEWING (For Visually Impaired)			
Duration	Reference Learning Outcome	Professional Skills (Trade Practical) With Indicative Hours	Professional Knowledge (Trade Theory)
Professional Skill 120 Hrs.;	Identify, select and Make hand stitches in the given fabric following safety precautions.	1. Familiarization with the Institute. (10hrs.) 2. Familiarization & handling of tools. (10hrs.) 3. Safety Precautions while handling the tools. (10hrs.)	Introduction <ul style="list-style-type: none"> Trade Job Prospects Safety precautions First Aid 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 (06 hrs.)
Professional Knowledge 24 Hrs.		4. Identification of fabrics and texture. (05 hrs.) 5. Handling of Fabrics. (10 hrs.) 6. Making weave samples. (15 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 Needle Break Policy Fabric Preparation for cutting Fabric Grain Selvedge Shrinkage Straightening the fabric Grains Measurements

			<ul style="list-style-type: none"> • Units • Measuring Techniques (06 hrs.)
		<p>Practice on Industrial Single needle lock stitch Sewing Machine</p> <p>7. Sitting posture - Eye, Hand & Foot co- ordination. (05 hrs.)</p> <p>8. Speed Control. (05 hrs.)</p> <p>9. Practice on paper. (05 hrs.)</p> <p>10. Threading of machine. (05 hrs.)</p> <p>11. Bobbin winding & loading. (05 hrs.)</p> <p>12. Practice on fabric. (05 hrs.)</p>	<p>Basic Sewing Machine</p> <ul style="list-style-type: none"> • Parts and functions • Machine needle • Stitch formation • Sewing machine practice • Care and maintenance • Trouble Shooting • Types of Industrial Sewing Machine (06 hrs.)
		<p>13. Running on</p> <ul style="list-style-type: none"> • Straight lines • Square • Zigzag lines • Circle • Semicircle • Spiral (20 hrs.) <p>14. Practice on over lock machine.</p> <ul style="list-style-type: none"> • Threading • Running • Minor adjustments (10 hrs.) 	<p>Over lock machine</p> <ul style="list-style-type: none"> • Parts and functions • Machine practice • Care and maintenance • Trouble Shooting <p>Basic Garment Analysis(06 hrs.)</p>
<p>Professional Skill 360Hrs.;</p> <p>Professional Knowledge 72 Hrs.</p>	<p>Stitch the following using the given fabric: Seams with seam finishes, Darts, Pleats, Tucks, Gathers & Shirrs, Frill, Hem, Casing, Edge Finishing, Neck lines, Placket,</p>	<p>15. Practice of making Seams</p> <ul style="list-style-type: none"> • Plain Seam (Straight & Curved) with seam finishes. • Self-Enclosed seams. • Top stitched seams. • Corded Seam. • Decorative seams • Practicing with Sewing 	<p>Seams</p> <ul style="list-style-type: none"> • Classification • Uses • Properties of Seams • Seam finishes Sewing Aids • Presser foots • Folders • Guides(06 hrs.)

Pocket, Collar, Sleeves, Cuff.	Aids. (30 hrs.)	
	16. Making Samples of (15 hrs.)	Introducing Fullness <ul style="list-style-type: none"> Darts — Necessity, type & precautions during stitching Pleats — Necessity, type & uses Introducing Fullness <ul style="list-style-type: none"> Tucks — Types & use Gathering and Shirring Flare Ruffles/Frills — Types (Straight & Circular) & uses (06 hrs.)
	17. Making Samples of (15 hrs.)	
	18. Practice of Hand stitches & Making Samples of them. (60 hrs.)	Hand stitches <ul style="list-style-type: none"> Hand needles — Size & types Sewing Thread Types & Applications of hand stitches (12 hrs.)
	19. Making samples of	Hems <ul style="list-style-type: none"> Types Uses Corner Makings <ul style="list-style-type: none"> Types Uses (06 hrs.)
20. Practice of the corner makings		
21. Making samples of (30 hrs.)	Casing <ul style="list-style-type: none"> Introduction use Edge Finishing <ul style="list-style-type: none"> Facings Bindings 	

		<p>22. Making samples of edge finishing (30 hrs.)</p> <ul style="list-style-type: none"> • Bias facing • Combination shaped facing • Outside facing • Self-facing • Shaped facing • Binding • Piping 	<ul style="list-style-type: none"> • Piping (12 hrs.)
		<p>23. Making samples of different shaped necklines. (30 hrs.)</p>	<p>Necklines</p> <ul style="list-style-type: none"> • Different shapes of neckline.(06 hrs.)
		<p>24. Samples of making samples of Plackets (30 hrs.)</p> <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 	<p>Plackets</p> <ul style="list-style-type: none"> • Types • Sample makings (06 hrs.)
		<p>25. Samples of making different Pockets. (30 hrs.)</p> <ul style="list-style-type: none"> • Patch • Inseam • Cut/slash 	<p>Pockets</p> <ul style="list-style-type: none"> • Types • Design variations (06 hrs.)
		<p>26. Samples of making Collars. (30 hrs.)</p>	<p>Collars</p> <ul style="list-style-type: none"> • Classification • Collar terms (06 hrs.)
		<p>27. Samples of making Sleeves. (30 hrs.)</p>	<p>Sleeves</p> <ul style="list-style-type: none"> • Classification • Sleeve length variation

			<ul style="list-style-type: none"> Sample making of Sleeves with and without cuff.(06 hrs.)
Professional Skill 30 Hrs.; Professional Knowledge 06 Hrs.	Fix the fasteners on the given fabric.	28. Practice of fixing fasteners as Buttons, Hooks, Eyes, and Press Studs. (10 hrs.) 29. Practice of making Button holes by Hand. (10 hrs.) 30. Practicing Darning and Patching. (10 hrs.)	Trimmings <ul style="list-style-type: none"> Types Applications Fixing of Buttons, hooks etc. Making of Buttonhole Mending Darning Patching (06 hrs.)
Professional Skill 60 Hrs.; Professional Knowledge 12 Hrs.	Draft the pattern and sew a Ladies' Suit.	31. Stitching of Ladies suit. (60 hrs.)	Drafting & developing Pattern for Ladies suit (12 hrs.)
Professional Skill 30 Hrs.; Professional Knowledge 06 Hrs.	Take the appropriate body measurement and record the dimension	32. Practice of taking Body Measurements. (30 hrs.)	Human Figures <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. (06 hrs.)
Professional Skill 30 Hrs.; Professional Knowledge 06 Hrs.	Identify, select the different types of patterns and apply	33. Practicing different types of layout using the given patterns. (30 hrs.)	Patterns <ul style="list-style-type: none"> Importance Pattern Information Types Spreading & Pattern Layout Importance

			<ul style="list-style-type: none"> • Spreading methods/machines • Types of layout Pattern Drafting • Drafting/Pattern Terminology • Principles of Pattern drafting. (06 hrs.)
Professional Skill 270 Hrs.; Professional Knowledge 54 Hrs.	Draft Paper Pattern Making, Cloth cutting of ladies wear	34. Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of Saree Petticoat. (75 hrs.) 35. Checking the Fitting of the garment. (15 hrs.)	Pressing <ul style="list-style-type: none"> • Tools • Methods Importance of Pressing • Trial Room • Necessity • Specification Sketching and drafting of Sari Petticoat.(18 hrs.)
		36. Practice on special industrial sewing machines - <ul style="list-style-type: none"> • Multipurpose Machine (Zigzag) (30 hrs.) 	Mass Production Process - <ul style="list-style-type: none"> • Sequence of operations • Types of cutting machines • Fusing Technology • Types of Industrial Machines Used in sewing section • Finishing(06 hrs.)
		Ladies Wear 37. Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of the following garments with design variations (130 hrs.) <ul style="list-style-type: none"> • Ladies Tops/Short Kurtis • Ladies suit • Night wear (one piece/two piece) • Sari blouses 38. Checking the Fitting of the garment. (20 hrs.)	Drafting of the following garments - <ul style="list-style-type: none"> • Ladies Tops/Short Kurtis • Ladies suit • Night wear (one piece/two piece) • Sari blouses. (30 hrs.)

Professional Skill 150 Hrs.; Professional Knowledge 30Hrs.	Draft Paper Pattern Making, Cloth cutting of Kids wear	Kids Wear 39. Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of the following garments with design variations <ul style="list-style-type: none"> • Dresses for new born • Dresses for Toddler • Dresses for Kids Checking the Fitting of the garment. (150 hrs.)	Drafting of the following garments - <ul style="list-style-type: none"> • Dresses for new born • Dresses for Toddler • Dresses for Kids(30 hrs.)
Professional Skill 150 Hrs.; Professional Knowledge 30 Hrs.	Draft Paper Pattern Making, Cloth cutting of Gents wear.	Gents Wear 40. Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of the following garments with design variations <ul style="list-style-type: none"> • Kurta & Pyjamas • Casual Shirts & Trousers. (60 hrs.) 41. Checking the Fitting of the garment. (60 hrs.)	Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of the following garments with design variations <ul style="list-style-type: none"> • Kurta & Pyjamas • Casual Shirts & Trousers(24 hrs.)
		42. Methods of removing different kinds of stains in fabrics. (15 hrs.) 43. Checking of garments in respects of - <ul style="list-style-type: none"> • Measurements • Stitching • Stains • Defects • Correcting measures. (15 hrs.) 	Laundry Stains <ul style="list-style-type: none"> • Classification • Removing techniques • Quality Control • Definition, need & planning • Types of Inspection • Stages of Inspection • Role of Quality Controller(06 hrs.)
Project work/Industrial Visit Broad Areas: <ol style="list-style-type: none"> a) Choose any four garments mentioned above with specification sheet, Pattern and finish the garments neatly. 			

SYLLABUS FOR CORE SKILLS

1. Employability Skills (Common for all CTS trades) (160 Hrs.)

Learning outcomes, assessment criteria, syllabus and Tool List of Core Skills subjects which is common for a group of trades, provided separately in www.bharatskills.gov.in

LIST OF TOOLS & EQUIPMENT			
CUTTING & SEWING (For Visually Impaired) (for batch of 12 candidates)			
S No.	Name of the Tools and Equipment	Specification	Quantity
A. TRAINEES TOOL KIT			
1.	Measuring Tape	150 cm	12+1 Nos.
2.	Seam Ripper		12+1 Nos.
3.	Thimble		12+1 Nos.
4.	Tailor's Card Scale Triangular		12+1 Nos.
5.	Tailors Square	Plastic	12+1 Nos.
6.	French Curve Set of three		12+1 Nos.
7.	Thread Cutter		12+1 Nos.
8.	Scale plastic	24"	12+1 Nos.
B. DRAFTING/CUTTING /SEWING ROOM TOOLS & EQUIPMENT			
9.	Scissors	25 cm	12+1 Nos.
10.	Pinking Shears		02 Nos.
11.	Leg Shaper	Plastic	12+1 Nos.
12.	Garment Hangers		12+1 Nos.
13.	Screw Driver Set		02 Sets
14.	Table Sharpener		02 Nos.
15.	Pressing Table		02 Nos.
16.	Blanket for padding of Pressing Table		02 Nos.
17.	Rubber mat (Size as per requirement)		02 Nos.
18.	Sprayer		02 Nos.
19.	Waste Bin Big / Small		06 Nos.
20.	Pattern Punch		02 Nos.
21.	Pattern Notcher		02 Nos.
22.	Pattern Hanging Stand		02 Nos.
23.	Water Tub	60 cm dia	01 No.
24.	Stand for hanging dresses		02 Nos.
25.	Trial room with 3 side mirrors each with arrangements of hanging Dresses	Size 150 cm X 60 cm	01 No.

26.	Electric Automatic steam press		02 Nos.
27.	Sewing Machine	Single Needle Lock stitch Industrial model	12+1 Nos.
28.	Over Lock Machine 3 Thread		01 No.
29.	Zig-Zag Multi-Purpose Machine		01 No.
30.	Portable Type Multipurpose Sewing Machine		03 Nos.
31.	Machine attachments		As per requirement
32.	Chairs with low back rest or stools for the machines		12+1 Nos.
33.	Drafting Table		04 Nos.
34.	Display Board Covered with glass or Acrylic Sheet	120 X 90 cm	01 No.
35.	Instructor Table		01 No.
36.	Instructor Chair		02 Nos.
37.	Steel Almira	195 X 90 X 60 cm	02 Nos.
38.	Pigeon hole Almira 10 lockers & separate locking arrangements for trainees		01 No.
39.	Locks for above pigeon hole		12+1 Nos.
40.	Wall Clock		02 Nos.
41.	Calculator Desk Type		01 No.
42.	White Board with accessories (size as per requirement)		02 Nos.
43.	Dummy Lady, men, kid (different size)		02 Nos. each
C. THEORY ROOM			
44.	Single desks for trainees with arrangements of keeping Books etc.		12+1 Nos.
45.	Chairs without arms		12+1 Nos.
46.	Faculty Table & Chair set		01 No.
47.	Desktop Computer	CPU: 32/64 Bit i3/i5/i7 or latest processor, Speed: 3 GHz or Higher. RAM:-4 GB DDR-III or Higher, Wi-Fi Enabled. Network Card: Integrated Gigabit Ethernet, with USB Mouse, USB Keyboard and Monitor (Min. 17 Inch. Licensed Operating System and Antivirus compatible with trade related software.	01 No.

48.	UPS		As required
49.	White Magnetic Board with Felt		01 No.
50.	Board & accessories		As Required
51.	Display Board		01 No.
52.	Storage Almirah		01 No.
53.	Book Shelf		01 No.

Note: -

- 1. All the tools and equipment are to be procured as per BIS specification.*
- 2. Internet facility is desired to be provided in the class room.*

The DGT sincerely acknowledges contributions of the Industries, State Directorates, Trade Experts, Domain Experts, trainers of ITIs, NSTIs, faculties from universities 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 attended to finalize the course curriculum of Cutting & Sewing (For Visually Impaired)			
SNo.	Name & Designation Sh/Mr/Ms	Organization	Remarks
1.	Dr. Bhushan Punani, Executive Secretary	Blind Peoples Association, Ahmedabad	Chairman
2.	L.K. Mukherjee, DDT	CSTARI, Kolkata	Coordinator
3.	S.A. Pandav, Regional Dy. Director	RDAT, Vadodara	Member
4.	Kr. H. D. Purohit, Supervisor Instructor	Mahila ITI Thaltej	Member
5.	Viral G Ramavi, Supervisor Instructor	ITI Kubernagar	Member
6.	Yogesh C Parkhey, Dy. Director (R) J/C	NCSC-DA Ahmedabad	Member
7.	V.K. Tripathi, V.I. F/N	NCSC-DA Ahmedabad	Member
8.	Dr. Dharti H. Gajjar, Assistant Professor	Gujarat University	Member
9.	Jagruti Uderysim(C.I)	I.T.I Vastrapur	Member
10.	Ranochhul Soni, Co- ordinator Tech for the Blind	Blind People's Association	Member
11.	D. P. Gurjar, S.I, AAA	ITI Tarsali, Vadodara	Member
12.	J.V Patel, GSDM Consultant	RDD, Vadodara	Member
13.	Priyanka Parmar, GSDM Consultant	RDD, Vadodara	Member
14.	Manubhai Chaudhary, Principal	Secondary School For the Blind	Member
15.	Vinod bhai Rathore, Principal	A.T.C.B Blind School	Member
16.	Purvi K. Chudusma Fashion Designer	Bhujodi Art & Crafts Studio, Ahmedabad	Member
17.	Jagruti Uderysim, C.I.	Blind People's Association Vastra ITI	Member
18.	Purvi Trivedi (Fashion Designer)	Television Media/National Film	Member
19.	P.K. Bairagi, TO	CSTARI, Kolkata	Member

ABBREVIATIONS

CTS	Craftsmen Training Scheme
ATS	Apprenticeship Training Scheme
CITS	Craft Instructor Training Scheme
DGT	Directorate General of Training
MSDE	Ministry of Skill Development and Entrepreneurship
NTC	National Trade Certificate
NAC	National Apprenticeship Certificate
NCIC	National Craft Instructor Certificate
LD	Locomotor Disability
CP	Cerebral Palsy
MD	Multiple Disabilities
LV	Low Vision
HH	Hard of Hearing
ID	Intellectual Disabilities
LC	Leprosy Cured
SLD	Specific Learning Disabilities
DW	Dwarfism
MI	Mental Illness
AA	Acid Attack
PwD	Person with disabilities

