



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

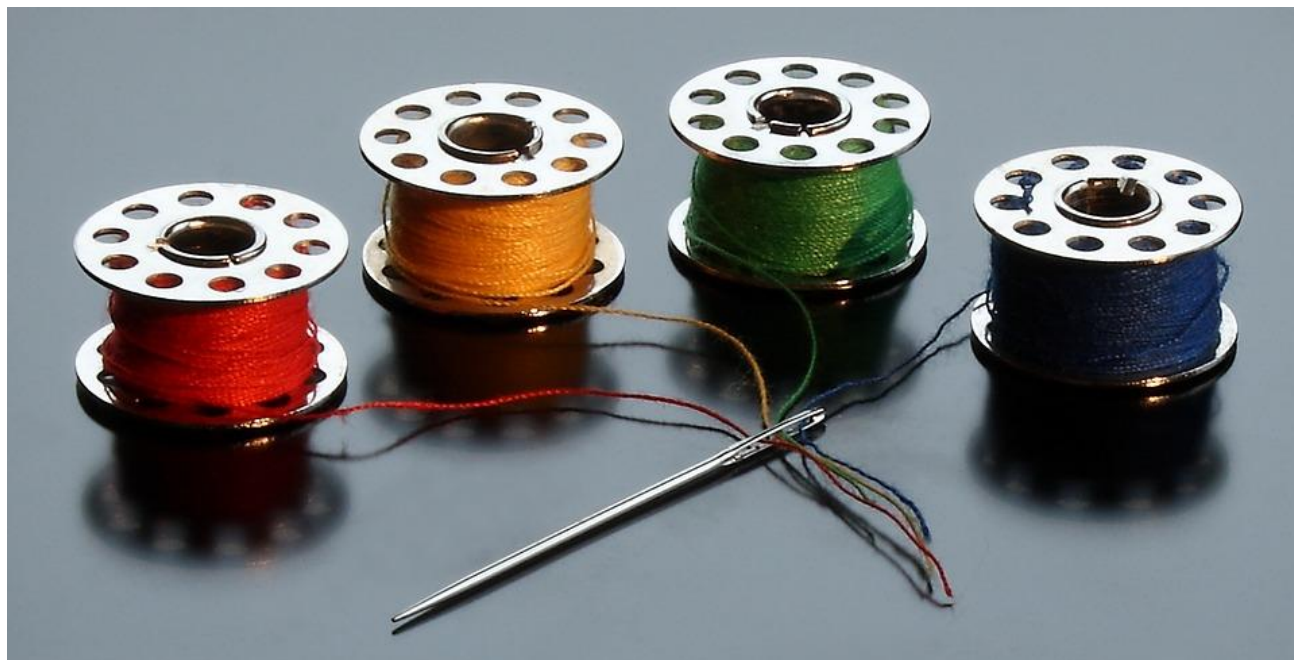
COMPETENCY BASED CURRICULUM

SEWING TECHNOLOGY

(Duration: One Year)

CRAFTSMEN TRAINING SCHEME (CTS)

NSQF LEVEL- 4



SECTOR –APPAREL



Directorate General of Training

SEWING TECHNOLOGY

(Non-Engineering Trade)

(Revised in 2019)

Version: 1.2

CRAFTSMEN TRAINING SCHEME (CTS)

NSQF LEVEL - 4

Developed By

Ministry of Skill Development and Entrepreneurship

Directorate General of Training

CENTRAL STAFF TRAINING AND RESEARCH INSTITUTE

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7. TRADE SYLLABUS

SYLLABUS FOR SEWING TECHNOLOGY TRADE			
Duration – One Year			
Duration	Reference Learning Outcome	Professional Skills (Trade Practical) With Indicative Hours	Professional Knowledge (Trade Theory)
Professional Skill 210 Hrs. Professional Knowledge 42Hrs.	Make hand stitches in the given fabric following safety precautions.	1. Familiarization with the Institute. (30 hrs.)	Introduction <ul style="list-style-type: none"> • Trade • Job Prospects • Safety precautions • First Aid (06 hrs.)
		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 (06 hrs.)
		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

			<ul style="list-style-type: none"> • Units • Measuring Techniques (06 hrs.)
		<p>Practice on Industrial Single needle lock stitch Sewing Machine</p> <p>7. Ergonomic principle of sitting on sewing machine. (8 hrs.)</p> <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>	<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 (12 hrs.)
		<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 Shooting Basic Garment Analysis (06 hrs.)
<p>Professional Skill 300 hrs.</p> <p>Professional Knowledge 60 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 (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.</p>	<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.	(10 hrs)	
		17. Making Samples of <ul style="list-style-type: none"> • Darts • Pleats. (30 hrs.)	Introducing Fullness <ul style="list-style-type: none"> • Darts – Necessity, type & precautions during stitching • Pleats – Necessity, type & uses (06 hrs.)
		18. Making Samples of <ul style="list-style-type: none"> • Tucks • Gathers and Shirrs • Frills. (15hrs.)	Introducing Fullness <ul style="list-style-type: none"> • Tucks – Types & use • Gathering and Shirring • Flare • Ruffles/Frills – Types (Straight & Circular) & uses
		19. Practice of Hand stitches & Making Samples of them. (15hrs.)	Hand stitches <ul style="list-style-type: none"> • Hand needles – Size & types • Sewing Thread • Types & Applications of hand stitches (06 hrs.)
		20. Making samples of <ul style="list-style-type: none"> • Faced Hem • Edge stitched hem • Double stitched hem • Band hem • Ease in ahem • Mitered hem. (17 hrs.)	Hems <ul style="list-style-type: none"> • Types • Uses
21. Practice of the corner makings <ul style="list-style-type: none"> • Self-turned • With additional strip. (13 hrs.)	Corner Makings <ul style="list-style-type: none"> • Types • Uses (06 hrs.)		
22. Making samples of: <ul style="list-style-type: none"> • Casing with Drawstring 	Casing <ul style="list-style-type: none"> • Introduction 		

		<ul style="list-style-type: none"> • Casing with elastic • Casing with heading • Inside applied casing • Outside applied casing. <p>(25 hrs.)</p> <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 <p>(35 hrs.)</p>	<ul style="list-style-type: none"> • Use <p>Edge Finishing</p> <ul style="list-style-type: none"> • Facings • Bindings • Pippings <p>(06 hrs.)</p>
		<p>24. Making samples of different shaped necklines. (30 hrs.)</p>	<p>Necklines</p> <ul style="list-style-type: none"> • Different shapes of neckline
		<p>25. 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 <p>(06 hrs.)</p>
		<p>26. Making samples of different Pockets</p> <ul style="list-style-type: none"> • Patch • Inseam 	<p>Pockets</p> <ul style="list-style-type: none"> • Types • Design variations <p>(06 hrs.)</p>

		<ul style="list-style-type: none"> • Cut/slash (30 hrs.) 	
		27. Samples of making Collars. (15hrs) 28. Samples of making Sleeves. (15hrs)	Collars <ul style="list-style-type: none"> • Classification • Collar terms Sleeves <ul style="list-style-type: none"> • Classification • Sleeve length variation • Sample making of Sleeves with and without cuff. (06 hrs.)
Professional Skill 30Hrs; Professional Knowledge 06Hrs	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 (06 hrs.)
Professional Skill 30Hrs; Professional Knowledge 06Hrs	Mend the given fabric.	31. Practicing Darning and Patching. (30 hrs.)	Mending <ul style="list-style-type: none"> • Darning • Patching (06 hrs.)
Professional Skill 60Hrs; Professional Knowledge 12Hrs	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. (12 hrs.)
Professional Skill 210 hrs.;; Professional Knowledge 42 Hrs	Sketch the following garments. <ul style="list-style-type: none"> • Ladies' Tops/ Short kurties. • Ladies' Suit. • Nightwear (one piece/ two 	33. 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

	<p>piece).</p> <ul style="list-style-type: none"> • Sari Blouse. • Dresses for New Born. • Dresses for Toddlers. • Dresses for Kids. 		<p>Techniques</p> <ul style="list-style-type: none"> • Precautions • Measurement Charts (06 hrs.)
		<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 (06 hrs.)
		<p>35. Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of Sari Petticoat. (90 hrs.)</p>	<p>Pressing</p> <ul style="list-style-type: none"> • Tools • Methods Importance of Pressing Trial Room • Necessity • Specification
		<p>36. Checking the Fitting of the garment. (30 hrs.)</p>	<p>Sketching and drafting of Sari Petticoat. (24 hrs.)</p>
		<p>37. Practice on special industrial sewing machines – (30 hrs.)</p> <ul style="list-style-type: none"> • Double Needle Machine • Button Hole Machine • Button Sewing Machine • Multipurpose Machine (Zigzag) • Bar Tack machine • Feed off the Arm Double Needle 	<p>Mass Production Process –</p> <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.)

Professional Skill 360Hrs; Professional Knowledge 72Hrs	Construct the following garments with fitting and quality according to the sketched designs. <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 (Sun suit). • Dresses for Kids (Frock). • Gent's Kurta and Pyjamas. • Gent's Casual Shirt. • Gent's Trousers. 	Ladies Wear 38. Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of the following garments with design variations <ul style="list-style-type: none"> • Ladies Tops/Short kurties • Ladies suit • Night wear (one piece/two piece) • Sari blouses (60 hrs.) 39. Checking the Fitting of the garment. (30 hrs)	Sketching and drafting of the following garments- <ul style="list-style-type: none"> • Ladies Tops/Short kurties • Ladies suit • Night wear (one piece/two piece) • Sari blouses (18 hrs.)
		Kids Wear 40. Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of the following garments with design variations <ul style="list-style-type: none"> • Dresses for newborn • Dresses for Toddler • Dresses for Kids. (85 hrs.) 41. Checking the Fitting of the garment. (35 hrs.).	Sketching and drafting of the following garments- <ul style="list-style-type: none"> • Dresses for newborn • Dresses for Toddler • Dresses for Kids (24 hrs.)
		Gents Wear 42. Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of the following garments with design variations <ul style="list-style-type: none"> • Kurta & Pyazama • Casual Shirts &Trousers (90 hrs.)	Pattern Making, Fabric Estimation, Cutting, Sewing, Pressing & Folding of the following garments with design variations <ul style="list-style-type: none"> • Kurta & Pyazama • Casual Shirts &Trousers (24 hrs.)

		43. Checking the Fitting of the garment. (30 hrs.)	
		44. Methods of removing different kinds of stains in fabrics. (18 hrs.) 45. Checking of garments in respects of –(12 hrs.) <ul style="list-style-type: none"> • Measurements • Stitching • Stains • Defects • Correcting measures. 	Laundry Stains <ul style="list-style-type: none"> • Classification • Removing techniques Quality Control <ul style="list-style-type: none"> • Definition, need & planning • Types of Inspection • Stages of Inspection • Role of Quality Controller (06 hrs.)
<p>PROJECT Choose any four garments mentioned above with specification sheet, Pattern & neatly finished garments and present the same.</p>			

SYLLABUS FOR CORE SKILLS

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

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.