



Model Curriculum

QP Name: Garment Maker
(Elective 1: Set up new business
Elective 2: Hand Embroidery
Elective 3: Batik Work)

QP Code: STC-APL/2024/0319

QP Version: 1

NSQF Level: 3

Model Curriculum Version: 1

West Bengal State Council of Technical & Vocational Education and Skill Development, Karigari Bhavan, (5th Floor), Plot-B/7, Action Area-III, New Town, Kolkata-700160

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Training Parameters

Sector	Apparel
Sub-Sector	
Occupation	Garment Maker
Country	India
NSQF Level	3
Aligned to NCO/ISCO/ISIC Code	NCO-2015/7531.0100,7531.0101,7531.0500,7532.0600
Minimum Educational Qualification and Experience	10 th or equivalent OR 2. 8th Grade Pass with 3 years' relevant experience OR 3. Previous relevant Qualification of NSQF Level 2.5 with 1.5 year relevant experience
Pre-Requisite License or Training	
Minimum Job Entry Age	18 years
Last Reviewed On	17.12.2024
Next Review Date	16.12.2027
Version	1.0
NSQC Approval Date	17.12.2024
Model Curriculum Creation Date	17.12.2024
Model Curriculum Valid Up to Date	16.12.2027
Model Curriculum Version	1.0
Minimum Duration of the Course	390 hours (Compulsory + One Elective)
Maximum Duration of the Course	510 hours (Compulsory + Three Elective)

Program Overview

This section summarizes the end objectives of the program along with its duration.

Training Outcomes

At the end of the program, the participants will be able to:

- Describe the roles of garment maker
- Identify garment-making tools.
- Operate sewing machines efficiently
- Make basic garment patterns using drafting techniques
- Apply hand and machine stitching technique.
- Cut and stitch garments
- Ensure proper finishing of the produce garments.
- Estimate the cost of garments.
- Work in real job situation with emphasis on basic safety and hazards

Elective 1: Set up new business

- Set up a small garment business unit

Elective 2: Hand Embroidery

- Design hand embroidery on fabric.

Elective 3: Batik work

- Make batik designs

Compulsory Modules

The table lists the modules and their duration corresponding to the Compulsory NOS of the QP.

NOS and Module Details	Theory Duration	Practical Duration	Industry Exposure/OJT Duration (Mandatory)	Industry Exposure/OJT Training Duration (Recommended)	Total Duration
APL/0319/OC1 Describe the roles of garment maker NOS Version No.: 1.0	10:00 Hours	20:00 Hours	00:00Hours	00:00Hours	30:00 Hours

NSQF Level: 3					
Module1: Role of Garment Maker	10:00 Hours	20:00 Hours	00:00Hours	00:00Hours	30:00 Hours
APL/0319/OC2 Identify garment-making tool NOS Version No. : 1.0 NSQF Level: 3	05:00 Hours	25:00 Hours	00:00Hours	00:00Hours	30:00 Hours
Module2: Cutting Tools and Measuring Essentials	05:00 Hours	25:00 Hours	00:00Hours	00:00Hours	30:00 Hours
APL/0319/OC3 Operate sewing machines efficiently NOS Version No.: 1.0 NSQF Level: 3	05:00 Hours	25:00 Hours	00:00Hours	00:00Hours	30:00 Hours
Module 3: Introduction to sewing machines	05:00 Hours	25:00 Hours	00:00Hours	00:00Hours	30:00 Hours
APL/0319/OC4 Make basic garment patterns using drafting techniques NOS Version No.: 1.0 NSQF Level: 3	10:00 Hours	20:00 Hours	00:00Hours	00:00Hours	30:00 Hours
Module 4: Drafting and pattern making	10:00 Hours	20:00 Hours	00:00Hours	00:00Hours	30:00 Hours
APL/0319/OC5 Apply hand and machine stitching techniques NOS Version No.: 1.0 NSQF Level: 3	10:00 Hours	20:00 Hours	00:00Hours	00:00Hours	30:00 Hours
Module 5: Stitching Techniques	10:00 Hours	20:00 Hours	00:00Hours	00:00Hours	30:00 Hours
APL/0319/OC6 Cut and stitch garments NOS Version No.: 1.0 NSQF Level: 3	10:00 Hours	20:00 Hours	00:00Hours	00:00Hours	30:00 Hours
Module 6: Garment Making	10:00 Hours	20:00 Hours	00:00Hours	00:00Hours	30:00 Hours

APL/0319/OC7 Ensure proper finishing of the produced garments. NOS Version No.: 1.0 NSQF Level: 3	05:00 Hours	25:00 Hours	00:00Hours	00:00Hours	30:00 Hours
Module 7: Finishing Procedure	05:00 Hours	25:00 Hours	00:00Hours	00:00Hours	30:00 Hours
APL/0319/OC8 Estimate the cost of garments. NOS Version No.: 1.0 NSQF Level: 3	05:00 Hours	25:00 Hours	00:00Hours	00:00Hours	30:00 Hours
Module 8: Cost estimation	05:00 Hours	25:00 Hours	00:00Hours	00:00Hours	30:00 Hours
APL/0319/OC9 Work in real job situation with emphasis on basic safety and hazards NOS Version No.: 1.0 NSQF Level: 3	00:00 Hours	00:00 Hours	60:00 Hours	00:00 Hours	60:00 Hours
Module 9: Industry Exposure/OJT	00:00 Hours	00:00 Hours	60:00 Hours	00:00Hours	60:00 Hours
DGT/VSQ/N0101 Employability Skills NOS Version No.: 1.0 NSQF Level: 3	30:00 Hours	00:00 Hours	00:00 Hours	00:00 Hours	30:00 Hours
Module 10: Employability Skills	30:00 Hours	00:00 Hours	00:00 Hours	00:00Hours	30:00 Hours
Total Duration	90:00 Hours	180:00 Hours	60:00 Hours	00:00 Hours	330:00 Hours

Elective Module

Elective 1: Set up new business

APL/0319/OC10 Set up a small garment business unit NOS Version No.: 1.0 NSQF Level: 3	10:00 Hours	50:00 Hours	00:00Hours	00:00Hours	60:00 Hours
Module 11: Set up new business	10:00 Hours	50:00 Hours	00:00 Hours	00:00 Hours	60:00 Hours

Total duration	10:00 Hours	50:00 Hours	00:00Hours	00:00Hours	60:00 Hours
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Elective 2: Hand Embroidery

APL/0319/OC11 Design hand embroidery on fabric. NOS Version No.: 1.0 NSQF Level: 3	10:00 Hours	50:00 Hours	00:00Hours	00:00Hours	60:00 Hours
Module 12: Hand Embroidery	10:00 Hours	50:00 Hours	00:00 Hours	00:00 Hours	60:00 Hours
Total duration	10:00 Hours	50:00 Hours	00:00Hours	00:00Hours	60:00 Hours

Elective 3: Batik work

APL/0319/OC12 Make batik designs NOS Version No.: 1.0 NSQF Level: 3	10:00 Hours	50:00 Hours	00:00Hours	00:00Hours	60:00 Hours
Module 13: Batik work	10:00 Hours	50:00 Hours	00:00 Hours	00:00 Hours	60:00 Hours
Total duration	10:00 Hours	50:00 Hours	00:00Hours	00:00Hours	60:00 Hours

Module Details

Module1: Role of Garment Maker

Mapped to APL/0319/OC1

Terminal Outcomes:

- Identify unsafe working conditions in line with site policies.
- Demonstrate punctuality, responsibility, and respect for materials in practice.
- Apply ergonomic principles in workstation setup and posture awareness.
- Handle customer queries, complaints, and alterations effectively.
- Engage in role-playing exercises to simulate customer interactions and upselling.
- Analyze customer feedback for service improvement.

Duration:10:00 hrs.	Duration:20:00 hrs.
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
• Maintain procedures to achieve a safe working environment in line with occupational health and safety regulations and requirements according to site policy. • Understanding of work ethics such as Punctuality, Quality of Work, Responsibility, Honesty and Transparency, Teamwork, respect for Materials and Resources, time management, adaptability etc. • Understanding of Ergonomics like proper Workstation Design, Tool and Equipment Placement, Posture Awareness, Lighting and Ventilation, Use of Ergonomic Tools etc. • First-Aid, nature and causes of injury and utilization of first-aid. • Describe various employment opportunities for the job holder in the apparel industry. • Describe the garment production process and the role of Garment maker in the process • Handling customer queries and complaints • Managing customer order and alterations • Sales techniques and upselling • Customer feedback and improvement	• Recognize any unsafe situations according to site policy, and assess his / her report accordingly. • Identify the roles and responsibilities of all departments of Garment Industry • List the exact roles and responsibilities of a Garment maker • Practice discipline, hygiene, safety and effective communication • Role playing customer interactions • Handling customer complaints and queries • Provide recommendations and advice • Collect and analyze customer feedback
Classroom Aids:	
Computer, Projection Equipment, Power Point Presentation and software, Facilitator’s Guide, Participant’s Handbook.	
Tools, Equipment and Other Requirements:	
First Aid box, Different types of fire extinguishers	

Module 2: Cutting Tools and Measuring Essentials

Mapped to APL/0319/OC2

Terminal Outcomes:

- Identify different types of fabrics, threads, buttons, and fasteners used in garment making.
- Select appropriate materials based on the design.
- Demonstrate correct use of measuring tools.
- Convert units of measurement.
- Take body measurements accurately using measuring charts and a dummy.
- Use cutting tools and marking tools effectively for different fabrics.
- Cut fabrics precisely following patterns
- Adjust cutting techniques as required.
- Maintain cutting tools through proper cleaning and sharpening procedures.

Duration: 05:00 hrs	Duration: 25:00 hrs
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
Different material • Types of fabrics and their use in garment industry (cotton, silk, polyester). • Different types of threads (cotton, polyester, nylon) and their uses based on fabric type. • Buttons and Fasteners: Types of buttons (plastic, metal, wooden) and their application. • Fabric grain and its importance in cutting. • Selection of materials based on the design. Measuring Instruments • Introduction to measuring tools: measuring tape, ruler, French curve, and L-square • How to read a measuring tape used by tailor. • Conversion of units from one measurement to another unit of measurement • Measuring charts. • Introduction to Body measurement. • Measuring the Form: Preparing the form for measuring • Taking Measurements.	Handling Different Materials • Practice cutting different types of fabrics (lightweight, medium, and heavy fabrics). • Matching threads with fabric and practicing threading and stitching. • Buttons and Fasteners: Attaching buttons (plastic, metal, wooden) and other fasteners like zippers and hooks. • Selecting appropriate buttons and fasteners based on the garment design • Adjust cutting techniques based on fabric type Measuring Instruments • Preparing the form for taking body measurements • Taking Body Measurements: Circumference, vertical & horizontal • Demonstrate the measurement of tape in a fabric with correct reading. Read a tape in Centimeters. Conversion of unit between Centimeters & inches while measuring. • Practice in using tape. Taking measurement. Sequencing of Measurement. Use of L scale. Procedure measurements of different body length from the Dummy.

• Procedure measurements of different body length from the Dummy. Introduction to dummy, such as princess line High Shoulder Point, Neck line, etc. • Pattern chart Cutting tools: • Overview of the importance of cutting tools in garment making. • Types of cutting tools: Fabric shears, rotary cutters, Pinking shears, Thread snips, Seam rippers, Cutting mats and rulers. • Cutting techniques and best practices. • Identification & use of Marking tools such as Tailor's Chalk, Fabric Marker Pen, Tracing Paper, Pins & Safety Pins etc • Identification & use of Finishing tools such as Pinking Shears, Seam Ripper, Fabric Clippers/Thread Snips, Bias Tape Maker, Pressing Tools (Iron, Ironing Board, Pressing Ham, Seam Roll) • Identification & use of Sewing tools such as Sewing Needles, Sewing Machine Feet, Thimble, Seam Gauge, Needle Threader • Proper handling and maintenance of cutting tools.	Cutting tools: • Identify different cutting tools for the trade • Practice basic cutting techniques. • Select the appropriate pattern to be used • Cut the cloth as per the actual measurement of pattern. • Preparation of sample pieces by cutting. Designing, cutting of simple ladies dresses, men's shirt, trousers, kids' dresses. • Cleaning and sharpening cutting tools
Classroom Aids:	
Computer, Projection Equipment, Power Point Presentation and software, Facilitator's Guide, Participant's Handbook.	
Tools, Equipment and Other Requirements:	
Measuring Tapes, Scissors for Fabric Cutting, Scissors for Paper cutting, Tracing paper, brown papers Cotton Or Poly/Cotton fabric.	

Module 3: Introduction to sewing machines

Mapped to APL/0319/OC3

Terminal Outcomes:

- Identify major sewing machine parts and their functions.
- Differentiate between types of sewing machines and their uses.
- Select suitable needle, thread, and machine for fabric types.
- Demonstrate threading, tension adjustment, and basic machine operation.

- Perform routine cleaning and oiling of machine components.
- Diagnose common machine issues like thread breakage or skipped stitches.
- Repair machine faults using correct methods and tools.

Duration:05:00 hrs	Duration:25:00 hrs
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
• Overview of sewing machines and their uses in garment production. • Name the major parts of the sewing machines such as needle, bobbin, presser foot, feed dogs etc and their functions. • Types of machines: Manual & Motorized sewing machine, buttonhole machines • Types of Sewing Machines beds: flatbed, raised bed, post bed, cylindrical bed, and side bed. • Types of belts used: flat belt and V-belt • Describe the cleaning process and cleaning of oil, dirt from the machine • Identify common machine problems such as thread breakage, skipped stitches.	• Identify different types of sewing machines. • Identify machine parts of sewing machine • Select appropriate needle and thread. • Select right type of machine for a particular fabric & particular construction. • Perform Basic operation such as threading the machine, adjusting tension, and starting/stopping. • Demonstrate proper oiling techniques for various parts of the machine. • Perform basic maintenance such as cleaning lint, tightening screws. • Identify the fault of the equipment and repair with correct method.
Classroom Aids:	
Computer, Projection Equipment, Power Point Presentation and software, Facilitator's Guide, Participant's Handbook.	
Tools, Equipment and Other Requirements:	
Sewing Machines, Button hole machine, Interlock machine, Cutting machines, cleaning material	

Module 4: Drafting and pattern making

Mapped to APL/0319/OC4

Terminal Outcomes:

- Draft accurate garment patterns using drafting techniques.
- Explain key technical terms in pattern making.
- Demonstrate pattern manipulation and grading for different sizes.
- Cut basic pattern blocks for various garments.
- Transfer paper patterns onto fabric a
- Sketch key garment components such as necklines, sleeves, and collars.
- Create patterns for men's, women's, and children's garments with proper measurements.

Duration:10:00 hrs	Duration:20:00 hrs
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
• Drafting and Paper Patterns: Types, Importance, Pattern drafting • Familiarization of technical terms used like pattern, block, dart, seam allowance, grain line, notch, ease, drafting, yoke, placket, muslin etc. • Principles of pattern drafting. • Pattern a bodice block • Patterns manipulation techniques • Pattern grading (Size – M, L, XL) • Overview of different garments: Men’s kurta, pyjama, shirt, pant; Women’s petticoat, blouse, nightwear, salwar, kurti; Children’s wear. • Drafting and patterns making on brown paper & transfer all on a cloth, cut with the scissor. • Procedure of cutting the cloth of definite measurement. Uses of different types of scissors for cutting cloth. • Knowledge about spreading and material handling	• Identify different pattern making tools • Practice on taking body measurements. • Create basic pattern blocks on a ladies bodice. • Simple drafting. Pattern making. Paper pattern cutting. • Sketching of Following: Neckline, Collars, Sleeves, Cascade, Pockets • Drafting basic patterns for men's kurta, pyjama, shirt, and pant. • Drafting patterns for women's petticoat, blouse, salwar, kurti, and nightwear. • Creating patterns for children’s wear. • Making draft of sleeve block. • Making draft of skirt block.
Classroom Aids:	
Computer, Projection Equipment, Power Point Presentation and software, Facilitator’s Guide, Participant’s Handbook.	
Tools, Equipment and Other Requirements:	
Pattern making Scales, Pattern table, Measuring Tapes, Scissors for Fabric Cutting, Scissors for Paper cutting, Tracing paper, brown papers, Cotton Or Poly/Cotton fabric, Muslin fabric, Sewing thread, Sewing Machine, Inter lock Machine , Cutting Machine	

Module 5: Stitching Techniques

Mapped to APL/0319/OC5

Terminal Outcomes:

- Demonstrate basic hand stitches like running, backstitch, etc..
- Perform basic machine stitches with accuracy and consistency.
- Adjust stitch tension and length according to fabric type.
- Identify appropriate stitches for different seams and fabrics.
- Perform a variety of seams and seam finishes.
- Inspect stitching quality for tension, alignment, and consistency.

- Troubleshoot common stitching problems effectively.

Duration:10:00 hrs	Duration:20:00 hrs
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
• Overview of hand stitching and machine stitching in garment making. • Types of basic stitches (Running stitch, Backstitch, Basting stitch, Slip stitch, Overcast stitch, Zigzag stitch, Blanket stitch) • Basic machine stitches: straight stitch, zigzag stitch, buttonhole stitch, and blind hem stitch. • Demonstrate stitch tension, stitch length, and consistency. • Identify the right stitch for different fabrics and seams. • Types of seams and seam finishes and their applications. • Types of threads and their compatibility with fabrics and stitching techniques	• Practice basic hand stitching such as running stitches, backstitches, basting stitches, slip stitches. • Practice finishing edges and seams using hand stitches. • Perform straight, zigzag, and buttonhole stitches using a sewing machine. • Adjust stitch length and tension for different fabrics. • Practice using both hand and machine stitches on a single garment. • Making Sample of different types of Seams : ➤ Plain Seam ➤ Double-stitched Seam ➤ French Seam ➤ Bound Seam ➤ Flat –felled seam ➤ Welt Seam ➤ Lapped Seam • Inspect stitches for consistent length, tension, and alignment. Troubleshooting common stitching problems
Classroom Aids:	
Computer, Projection Equipment, Power Point Presentation and software, Facilitator’s Guide, Participant’s Handbook.	
Tools, Equipment and Other Requirements:	
Pattern making Scales, Pattern table , Needles, Thimble, Thread Trimmer, Seam Ripper, Measuring Tape, , Scissors for Fabric Cutting, Scissors for Paper cutting, Tracing paper, brown papers, Cotton Or Poly/Cotton fabric, Muslin fabric, Sewing thread, Sewing Machine, Inter lock Machine , Cutting Machine	

Module 6: Garment Making

Mapped to APL/0319/OC6

Terminal Outcomes:

- Examine garment fitting accuracy after cutting and stitching.
- Assess precision in pattern layout and cutting techniques.
- Verify correctness in stitching procedures for various garments.
- Check the quality of pockets, collars, buttonholes, hooks, and buttons.
- Inspect the removal of fabric stains and garment cleanliness.
- Measure consistency with fabric estimation and cutting accuracy.
- Review garment finishing, including pressing, folding, and defect checks.

Duration:10:00 hrs	Duration:20:00 hrs
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
• Introduction to pattern layout and cutting techniques for each garment type. • Sample making • Elaborate on Pattern making, fabric estimation, cutting, sewing of the following: • Men's Kurta, Pyjama, Shirt, and Pant, women's Petticoat, Blouse, Nightwear, Salwar, and Kurti, children's garments • Explain the procedure for stitching of men's Kurta, Pyjama, Shirt, and Pant, women's Petticoat, Blouse, Nightwear, Salwar, and Kurti, children's garments • Knowledge about cutting and stitching the pockets, collars, buttons hole, hooks and eye and stitch buttons. • Checking the fittings of the garments. • Methods of removing different kinds of stains in fabrics	• Practicing basic cutting techniques. • Select the appropriate pattern to be used • Cut the cloth as per the actual measurement of pattern. • Preparation of sample pieces by cutting& stitching. • Stitching of different dresses by appropriate procedure. Combination of colour of dresses. • Sketches and drafts of the following garments: - • Men's Kurta, Pyjama, Shirt, and Pant, women's Petticoat, Blouse, Nightwear, Salwar, and Kurti, children's garments • Pattern making, fabric estimation, cutting, stitching, sewing, pressing and folding of the followings garments: • Men's Kurta, Pyjama, Shirt, and Pant, women's Petticoat, Blouse, Nightwear, Salwar, and Kurti, children's garments • Practice on cutting and stitching the pockets, collars, button hole, hooks and eye and stitch buttons. • Method of removing different kind of stains in fabric. Checking of garments in respect of- Measurements, Stitching, Stains, Defects, Pattern alteration.
Classroom Aids:	

Computer, Projection Equipment, Power Point Presentation and software, Facilitator's Guide, Participant's Handbook.

Tools, Equipment and Other Requirements:

Pattern making Scales, Pattern table, Needles, Thimble, Thread Trimmer, Seam Ripper, Measuring Tape, Scissors for Fabric Cutting, Scissors for Paper cutting, Tracing paper, brown papers, Cotton Or Poly/Cotton fabric, Muslin fabric, Sewing thread, Sewing Machine, Inter lock Machine, Cutting Machine, Button Hole Machine

Module 7: Finishing Procedures

Mapped to APL/0319/OC7

Terminal Outcomes:

- Identify defects in raw materials
- Maintain seam quality and consistent tension in stitching.
- Demonstrate proper pressing techniques based on garment fabric types.
- Remove stains using appropriate equipment and methods.
- Remedy common fitting issues.

Duration:05:00 hrs	Duration:25:00 hrs
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
• Explain the common defects and quality issues in raw materials(Fabric, threads, buttons) • Maintain seam quality and consistent tension during stitching. • Correct Method of pressing different garments according to fabric and folding of garments. Precautions while pressing & finishing • Classification of stains. Means of stains removing & stain removing equipment • Importance of Pressing and Finishing • Types of pressing equipment • Types of finishing processes • Precautions while pressing & finishing • Principles of fitting. Common fitting problem & how to remedy them • Safety precautions in pressing and finishing • Identify regulatory requirements for garment labels such as fiber content, care instructions, manufacturer details.	• Ensure Neatness and Precision in Stitching to Maintain the Quality of garment products • Apply finishing touches to completed Garment pieces such as securing threads, trimming excess and pressing the fabric. • Identify different types of Pressing equipment • Pressing of: - Cotton garments, Terylene garments, Silk garments, packing of various garments (folding). • Follow pressing sequence for garments • Tailor marks • - Fittings & alterations • - New garments from old-fabric / garments • Method of removing different kind of stains in fabric. Checking of garments in respect of- • Measurements, Stitching, Stains, Defects, Pattern alteration • Practice creating and attaching content

Types of documentation: inspection reports, quality control checklists, and defect logs.	labels, including fiber content, care instructions, and size. - Demonstrate proper package and storage techniques to maintain the quality of the garments. - Q.C. test for different raw materials. - Fill out inspection reports and quality control checklists during and after garment production. - Record specific details of defects, quality issues, and corrective measures taken
Classroom Aids:	
Computer, Projection Equipment, Power Point Presentation and software, Facilitator's Guide, Participant's Handbook.	
Tools, Equipment and Other Requirements:	
Pattern making Scales, Pattern table , Needles, Thimble, Thread Trimmer, Seam Ripper, Measuring Tape, , Scissors for Fabric Cutting, Scissors for Paper cutting, Tracing paper, brown papers, Cotton Or Poly/Cotton fabric, Muslin fabric, Sewing thread, Sewing Machine, Inter lock Machine , Cutting Machine, Electrical iron automatic, Steam iron	

Module 8: Cost estimation

Mapped to APL/0319/OC8

Terminal Outcomes:

- Estimate the cost of raw materials for individual garment pieces accurately.
- Identify cost components for various types of garments including labor and overhead.
- Calculate waste percentages for each garment type effectively.
- Determine appropriate profit margins for different garments based on market standards.
- Explain tax implications related to garment production for individual and bulk orders.
- Prepare detailed cost sheets for both individual pieces and bulk orders.
- Generate accurate quotations and invoices for bulk garment orders.

Duration:05:00 hrs	Duration:25:00 hrs
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
- Importance of accurate cost estimation in the garment manufacture. - Find the cost of raw materials - Different types of costing - Identify cost components for making Individual pieces and bulk orders of Men's Kurta, Pyjama, Shirt and Pant, women's Petticoat, Blouse, Nightwear, Salwar and Kurti, children's garments	- Practice on estimating cost for Individual piece of Men's Kurta, Pyjama, Shirt and Pant, women's Petticoat, Blouse, Nightwear, Salwar and Kurti, children's garments. ➤ Calculate raw material, labor and overhead costs etc. for making individual pieces of garment

• Calculate waste for each garment types. • Identify different profit margins for different garments (e.g. for Men's garments: Moderate margins, for Women's garments: Higher margins etc) • Explanation of tax implications for different garment types (local GST/VAT rates). • Tax differences in individual vs bulk production for men's, women's and children's garments. • Demonstrate how to prepare quotation and invoice format for bulk garment orders.	➤ Prepare detail cost sheet ➤ Calculate profit margins for individual pieces ➤ Derive final making charge • Practice on estimating cost for Bulk Order of Men's Kurta, Pyjama, Shirt, and Pant, women's Petticoat, Blouse, Nightwear, Salwar and Kurti, children's garments ➤ Calculate the cost for producing 1000 blouses or petticoats including raw material, labor, and overhead, packing & shipping charges etc. ➤ Prepare detail cost sheet. ➤ Calculate profit margins for individual pieces ➤ Derive final making charge ➤ Generate quotation for bulk orders ➤ Prepare invoice for the same bulk orders • Apply strategies to reduce waste during fabric cutting
Classroom Aids:	
Computer, Projection Equipment, Power Point Presentation and software, Facilitator's Guide, Participant's Handbook. Printer	
Tools, Equipment and Other Requirements:	

Module 9: Industry Exposure/OJT

Mapped to APL/0319/OC9

Terminal Outcomes:

Assessor will check report prepared for this component of training of the course and assess whether competency has been developed to work in the real job situation with special emphasis on basic safety and hazards in this domain. (The trainee is expected to undertake work in actual workplace under any supervisor / contractor for 60 Hours.)

Duration:00:00 hrs	Duration:60:00 hrs
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
	• Assessor will check report prepared for this component of training of the course and assess whether competency has been developed to work in the real job situation with special emphasis on basic safety and hazards in this domain. (The

	trainee is expected to undertake work in actual workplace under any supervisor/contractor for 60 Hours.)
Classroom Aids:	
Computer, Projection Equipment, Power Point Presentation and software, Facilitator's Guide, Participant's Handbook.	
Tools, Equipment and Other Requirements:	

Module 10: Employability Skills

Mapped to DGT/VSQ/N0101

Detail of Employability Skills Syllabus: 30 hours

Key Learning Outcomes:

Introduction to Employability Skills Duration: 1 Hour

After completing this programme, participants will be able to:

1. Discuss the importance of Employability Skills in meeting the job requirements

Constitutional values - Citizenship Duration: 1 Hour

2. Explain constitutional values, civic rights, duties, citizenship, responsibility towards society etc. that are required to be followed to become a responsible citizen.
3. Show how to practice different environmentally sustainable practices

Becoming a Professional in the 21st Century Duration: 1 Hours

4. Discuss 21st century skills.
5. Display positive attitude, self-motivation, problem solving, time management skills and continuous learning mindset in different situations.

Basic English Skills Duration: 2 Hours

6. Use appropriate basic English sentences/phrases while speaking

Communication Skills Duration: 4 Hour

7. Demonstrate how to communicate in a well-mannered way with others.
8. Demonstrate working with others in a team

Diversity & Inclusion Duration: 1 Hour

9. Show how to conduct oneself appropriately with all genders and PwD
10. Discuss the significance of reporting sexual harassment issues in time

Financial and Legal Literacy Duration: 4 Hours

11. Discuss the significance of using financial products and services safely and securely.
12. Explain the importance of managing expenses, income, and savings.

13. Explain the significance of approaching the concerned authorities in time for any exploitation as per legal rights and laws

Essential Digital Skills Duration: 3 Hours

14. Show how to operate digital devices and use the associated applications and features, safely and securely

15. Discuss the significance of using internet for browsing, accessing social media platforms, safely and securely

Entrepreneurship Duration: 7 Hours

16. Discuss the need for identifying opportunities for potential business, sources for arranging money and potential legal and financial challenges

Customer Service Duration: 4 Hours

17. Differentiate between types of customers

18. Explain the significance of identifying customer needs and addressing them

19. Discuss the significance of maintaining hygiene and dressing appropriately

Getting ready for apprenticeship & Jobs Duration: 2 Hours

20. Create a biodata

21. Use various sources to search and apply for jobs

22. Discuss the significance of dressing up neatly and maintaining hygiene for an interview

23. Discuss how to search and register for apprenticeship opportunities

Elective 1: Set up new business

Module 11: Set up new business

Mapped to APL/0319/OC10

Terminal Outcome:

- Define the mission, vision, and goals of the garment business unit.
- Identify target markets, industry trends and competitors.
- Identify various funding sources and their applications.
- Create a comprehensive operational plan covering production and logistics.
- Create realistic financial projections including income and expenses.
- Explain the system for tracking business performance using KPIs.
- Record various cash transactions accurately using appropriate methods.
- Practice compliance with GST concepts.
- Utilize inventory management tools to maintain accurate stock levels.

Duration: 10:00	Duration: 50:00
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
• Define the mission, vision, goals and the products or services offered in its industry. • Explain the entire business concept, unique selling points (USPs) and competitive advantages. • Identify the target market, industry trends and analysis of competitors. • Collaborate with sales and marketing teams to gather insights on promotions, seasonal variations and market changes. • Identify different Sources of Fund for Start-up such as state Government schemes: ➤ Smami Vivekanda Swanibhar Karmasanthan Prakaipa (SVSKP) ➤ West Bengal Swanirbhar Sahayak Prakaipa (WBSSP) ➤ Bhavisyat Credit Card ➤ WBMDFC Schemes • Specify product/service details, pricing and positioning in the market. • Plan day-to-day operations (production, logistics and facilities), financial forecasts	• Estimate the amount of funding required and the purpose, whether through loans, investments or other means. • Demonstrate detailed financial projections based on realistic assumptions and market trends. • Provide the operational plan on how the business will function, covering processes, technology and resources. • Demonstrate step-by-step plan for implementing the business strategy along with key metrics (KPIs) to track the business's progress. • Hands-on practice in identifying and recording various cash transactions. • Practical experience with e-payment methods, debit/credit cards, UPI and mobile applications. • Practical exercises in generating cash memos and related documents. • Role-play scenarios for effectively managing returns, refunds and exchanges. • Using accounting software or manual

(income, balance sheets) and potential risks the business may face. • Describe a system for regular monitoring and evaluation of the business plan's implementation. • Differentiate between various forms of payments (cash, card, UPI). • Explain the significance of invoices, cash receipts, vouchers, and cash memos. • Demonstrate e-payment concepts, debit and credit cards, UPI and mobile applications. • Explain the terms such as event, transaction, account, capital, asset, liabilities, income, expenses, profit, loss, cost and vouchers. • Describe GST concepts, applicability, exemptions, SGST, CGST, IGST, input tax, output tax, TCS, TDS, including rates and compliance. • Categorize products into A, B and C classes based on their importance and value. • Implement Just-In-Time (JIT) inventory systems with reliable suppliers to reduce excess inventory.	methods, record various financial transactions. • Practice preparing invoices, receipts, and vouchers. • Practical application of GST concepts, including calculations and compliance. • Implement inventory management software to automate processes, track stock levels in real-time and generate accurate reports. • Conduct regular physical audits and cycle counts to ensure the accuracy of inventory records. • Collaborate with key partners in the supply chain for shared demand forecasting and planning. • Utilize data analytics tools to analyze historical data, identify trends and make informed decisions. • Practice on creating detail project report template.
Classroom Aids:	
Computer, Projection Equipment, Power Point Presentation and software, Facilitator's Guide, Participant's Handbook	
Tools, Equipment and Other Requirements	
Computer , Printer, Accounting Software	

Elective 2: Hand Embroidery

Module 12: Hand Embroidery

Mapped to APL/0319/OC11

Terminal Outcome:

- Identify different types of fabrics and threads suitable for embroidery techniques.
- Prepare fabric by washing, ironing, and stabilizing before embroidery.
- Select appropriate tools for hand embroidery tasks.
- Transfer designs accurately onto fabric.
- Demonstrate basic and advanced stitching techniques.
- Combine multiple stitching techniques to create unique designs.
- Evaluate stitched designs for quality, accuracy, and uniformity.
- Secure thread ends effectively.
- Present the finished embroidered product using appropriate techniques.

Duration: 10:00	Duration: 50:00
Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
Introduction to Hand Embroidery • Historical and cultural significance of embroidery. • Basic embroidery techniques and their importance as surface decoration. • Overview of Indian heritage in embroidery. Embroidery Materials • Types of fabrics (cotton, linen, silk) and their suitability for different techniques. • Types of threads (cotton, silk, metallic) and appropriate needle sizes. • Tools required: needles, hoops, scissors, and thimbles. Fabric and Material Preparation • Preparing fabric: washing, ironing, and stabilizing for embroidery. • Fabric stabilization using hoops or frames. • Selection of threads and embellishments based on design. Embroidery Design and Stitching • Techniques for tracing and transferring designs onto fabric.	Material and Tool Handling • Select appropriate fabrics and threads for different embroidery techniques. • Prepare and stabilize fabrics for stitching. Basic and Advanced Stitching • Practice fundamental stitches: running stitch, backstitch, satin stitch, cross-stitch. • Develop proficiency with variations like French knots, bullion stitch, and couching. • Combine multiple techniques to create unique designs. Sample Development • Trace and transfer designs accurately onto fabric. • Reproduce designs using selected embroidery techniques. • Evaluate stitched designs for quality and accuracy. Finishing and Presentation • Secure thread ends and removes tracing marks.

• Thread selection based on fabric type and design. • Importance of quality control during the embroidery process. Quality Inspection • Identifying defects and ensuring uniformity in stitches. • Final preparation and presentation of embroidered products.	• Inspect completed work for uniformity and neatness. • Present the finished product using appropriate framing or mounting techniques.
Classroom Aids:	
Computer, Projection Equipment, Power Point Presentation and software, Facilitator's Guide, Participant's Handbook	
Tools, Equipment and Other Requirements	
Pattern making Scales, Pattern table , Needles, Thimble, Thread Trimmer, Seam Ripper, Measuring Tape, , Scissors for Fabric Cutting, Scissors for Paper cutting, Tracing paper, Tracing Wheel, brown papers, Cotton Or Poly/Cotton fabric, Muslin fabric, Sewing thread, Sewing Machine, Inter lock Machine , Cutting Machine, Stitch marker, Interchangeable Needle Set, Neck needle /AARI Needle.	

Elective 3: Batik work

Module 13: Batik work

Mapped to APL/0319/OC12

Terminal Outcome:

- Demonstrate the batik print process and its significance.
- Identify various batik designs accurately.
- Explain the differences between natural and chemical dyes used in batik.
- Illustrate the cracked batik design technique effectively.
- Execute the drawing process on cloth with precision.
- Apply wax correctly to create batik designs including cracked patterns.
- Prepare color dyes appropriately for use on batik cloth.
- Demonstrate the correct handling of raw materials for batik.
- Evaluate the quality of finished batik pieces based on specified criteria.

Duration: 10:00

Duration: 50:00

Theory–Key Learning Outcomes	Practical–Key Learning Outcomes
<u>Batik Print process</u> • Introduction to batik printing, painting and its process • Discuss the role of batik in employment generation • Identification process of batik designs, batik cloth, batik color (natural and chemical) and different chemical used. <u>Cracked Batik Design</u> • Demonstrate cracked batik design process <u>Drawing Process on Cloth</u> • Demonstrate the drawing process on cloth to make batik design <u>Different color Dye preparation</u> • Apply various color dye into one cloth to make mix color batik	<u>Batik Print process</u> • Identify different batik designs • Demonstrate the good quality batik specification • Identify the raw material such as cotton, silk, maslin, tasar, khadi etc used for batik cloths <u>Cracked Batik Design</u> • Develop motifs for batik in various medium and quality of wax • Apply wax into cloth for crack batik • Dry wax and fold the cloth to make crack • Prepare color • Apply color on waxed cloth and dye it <u>Drawing Process on Cloth</u> • Process of applying wax on cloth 1. Make drawings with pencil on cloths 2. Apply Wax (such of color white, Red) on it. 3. Dry the wax and fold the cloth to make the crack • Prepare color • Apply color on waxed cloth and dye it <u>Different color Dye preparation</u> • Process of applying wax on cloth 1. Make drawings with pencil on cloths 2. Apply Wax (such of color white, Red) on it. 3. Dry the wax and fold the cloth to make the crack • Prepare various color • Tie up the waxed cloth in various forms • Dip the cloth in different color and dye it
Classroom Aids:	

Computer, Projection Equipment, Power Point Presentation and software, Facilitator's Guide, Participant's Handbook

Tools, Equipment and Other Requirements

Fabric: cotton & silk, cambric, muslin, tasar, khadi, Tracing & carbon Paper, chart paper, LPG stove, Hot plate /heater, .Bleaching agents(Napthol, muriatic acid, glycerine, sodium nitrate, indigo mop color, acid red, aluminium sulphate, caustic soda, monopol soap), Fabric Colours , Base Colour, Brush different types

Tools and Equipment

For a batch of 30 trainees (Including Electives)

SI No	Name of the item	Quantity
1	Measuring Tape 150 cm	31 nos.
2	Scissors	30 nos.
3	Pattern Making Scales(L scale, Curve scale, French Curve)	30 nos.
4	Tracing Paper	As required
5	Tracing wheel	30 nos.
6	Marking Chalk	30 nos.
7	Muslin fabric, Cotton Fabric	As required
8	Bobby Pins	2 boxes.
9	Mannequin	Two for men , two for women
10	Needles	As required
11	Racks	5 nos.
12	Packing Machine	1 no
13	Seam Ripper	31 nos.
14	Thimble	31 nos.
15	Thread Trimmer	31 nos.
16	Scale plastic 12"	31 nos.
17	Compass	31 nos.
18	Fur cloth	31 nos.
19	Stuffing material	As required
20	Eyes, Ribbon	As required
21	Pattern Table	4 nos.

22	Revolving Chairs without arms	30 nos.
23	Computer set with UPS & multimedia projector, printer	1 no each
24	White Magnetic Board with Felt board & accessories	1 no
25	Display Board	2 nos.
26	Storage Almirah	1 no
27	Sewing machines	15 nos
28	Button hole machine	1 no
29	Interlock Machine	1 no.
30	Cutting Machine	1 no.
31	First Aid kit	2 no.
32	Fire extinguisher	2 no.
33	Electric Iron automatic, steam iron	2 nos each
34	Brush	As required
35	LPG stove	1 no.
36	Wax, dyes	As required
37	Bleaching Agents	As required
38	Needle For embroidery various size	As required
39	Embroidery thread of various composition	As required
40	Stitch marker	5 nos.
41	Interchangeable Needle Set	5 nos.
42	Neck needle /AARI Needle	5 nos.

Annexure

Trainer Requirements

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
CTS/ATS	Dress making/ Sewing technology trade	3	-	-	-	-
Diploma	Diploma in Fashion/Apparel field	2	-	-	-	-
B. Tech/BE	Textile/ Apparel/ Fashion technology or Graduate with certificate course on fashion technology	1	-	-	-	-

Trainer Certification	
Domain Certification	Platform Certification
Certified for Job Role: "Garment Maker" mapped to QP: "STC-APL/2024/0319". Minimum accepted score is 80%.	Recommended that the Trainer is certified for the Job Role: "Trainer(VET & skills)", mapped to the Qualification Pack: "MEP/Q2601, v2.0". Minimum accepted score is 80%.

Assessor Requirements

Assessor Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training/Assessment Experience		Remarks
		Years	Specialization	Years	Specialization	
CTS/ATS	Dress making/ Sewing technology trade	5	-	-	-	-
Diploma	Diploma in Fashion/Apparel field	3	-	-	-	-
B. Tech/BE	Textile/ Apparel/ Fashion technology or Graduate with certificate course on fashion technology	2	-	-	-	-

Assessor Certification	
Domain Certification	Platform Certification
Certified for Job Role: "Garment Maker" mapped to QP: "STC-APL/2024/0319". Minimum accepted score is 80%.	Recommended that the Assessor is certified for the Job Role: "Assessor(VET & skills)", mapped to the Qualification Pack: "MEP/Q2701,v2.0". Minimum accepted score is 80%.

Assessment Strategy

Assessment will be based on the concept of Independent Assessors empaneled with West Bengal State Council of Technical & Vocational Education & Skill Development (WBSCT&VE&SD), identified, selected, trained and certified on Assessment techniques. These Assessors would be aligned to assess as per the laid down criteria.

WBSCT&VE&SD would conduct assessment only at the training centers or designated testing centers authorized by WBSCT&VE&SD.

Ideally, the assessment will be a continuous process comprising of two distinct steps:

- A. Continuous assessment by Trainers
- B. Term end /Final Assessment by WBSCT&VE&SD

Each National Occupational Standard (NOS) in the respective QPs will be assigned weightage. Each Performance Criteria in the NOS will be assigned marks for theory and/or practical based on relative importance and criticality of function.

This will facilitate preparation of question bank / paper sets for each of the QPs. Each of these papers sets/question banks created by subject matter experts through WBSCT&VE&SD, especially with regard to the practical test and the defined tolerances, finish, accuracy etc.

The following tools are proposed to be used for final assessment:

- i. Written Test: This will comprise of (i) True/False Statements and/or (ii) Multiple Choice Questions and/or (iii) Matching Type Questions. Online system for this will be preferred.
- ii. Practical Test: This will comprise a test job to be prepared as per project briefing following appropriate working steps, using necessary tools, equipment and instruments. Through observation it will be possible to ascertain candidate's aptitude, attention to details, quality consciousness etc.
- iii. Structured Viva-voce: This tool will be used to assess the conceptual understanding and the behavioral aspects as regards the job role and the specific task at hand.

Marks distribution as per outcome

Course Name	Sr No	Outcome No.	Outcome	Th Hrs	Pr Hrs	Total Th marks	Total Pr. marks
Garment Maker	1	APL/0319/OC1	Describe the roles of garment make	10	20	20	40
	2	APL/0319/OC2	Identify garment-making tools.	05	25	10	70
	3	APL/0319/OC3	Operate sewing machines efficiently	05	25	10	70
	4	APL/0319/OC4	Make basic garment patterns using drafting techniques	10	20	20	40
	5	APL/0319/OC5	Apply hand and machine stitching techniques	10	20	20	40
	6	APL/0319/OC6	Cut and stitch garments	10	20	20	40
	7	APL/0319/OC7	Ensure proper finishing of the produce garments.	05	25	10	70
	8	APL/0319/OC8	Estimate the cost of garments.			10	60

				05	25		
	9	APL/0319/OC9	Work in real job situation with emphasis on basic safety and hazards	0	60	0	150
	10	DGT/VSQ/N0101	Employability Skill-30 Hrs	30	0	50	0
	11	APL/0319/OC10	Set up a new business	10	50	10	40
	12	APL/0319/OC11	Design hand embroidery on fabric.	10	50	10	90
	13	APL/0319/OC12	Make batik designs	10	50	10	90
	TOTAL Marks Minimum 800 with 1 Elective (Th 180 Including ES 50, Pr. 620, including OJT 150) and Max. 1000 with 3 Elective (Th 200, including ES 50, Pr. 800 Including OJT 150)					200	800

References

Glossary

Term	Description
Declarative Knowledge	Declarative knowledge refers to facts, concepts and principles that need to be known and/or understood in order to accomplish or to solve a problem.
Key Learning Outcome	Key learning outcome is the statement of what a learner needs to know, understand and be able to do in order to achieve the terminal outcomes. A set of key learning outcomes will make up the training outcomes. Training Outcome is specified in terms of knowledge, understanding(theory)and skills (practical application).
INDUSTRY EXPOSURE/OJT(M)	On-the-job training(Mandatory);trainees are mandated to complete specified hours of training on site
INDUSTRY EXPOSURE/OJT(R)	On-the-job training(Recommended);trainees are recommended the specified hours of training on site
Procedural Knowledge	Procedural knowledge addresses how to do something, or how to perform a task. It is the ability to work, or produce a tangible work output by applying cognitive, affective or psycho motor skills.
Training Outcome	Training outcome is a statement of what a learner will know, understand and be able to do upon the completion of the training .
Terminal Outcome	Terminal outcome is a statement of what a learner will know, understand and be able to do upon the completion of a module . A set of terminal outcomes help to achieve the training outcome.

Acronyms and Abbreviations

Term	Description
QP	Qualification Pack
NSQF	National Skills Qualification Framework
NSQC	National Skills Qualification Committee
NOS	National Occupational Standards