



Model Curriculum

QP Name: Embroidery Machine Operator

QP Code: AMH/Q0801

QP Version: 4.0

NSQF Level: 3

Model Curriculum Version: 4.0

Apparel, Made-ups & Homefurnishing Sector Skill Council | Flat No. A312 To A323, Third Floor Somdatt Chamber –I Bikhaji Cama Place, Africa Avenue New Delhi-110066,

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Training Parameters

Sector	APPAREL, MADE-UPS AND HOME FURNISHING
Sub-Sector	Apparel
Occupation	Machine Embroidery Operation
Country	India
NSQF Level	3
Aligned to NCO/ISCO/ISIC Code	NCO-2015/8153.0601
Minimum Educational Qualification and Experience	<ul style="list-style-type: none"> • 5th grade pass with 6 year relevant experience • Previous Qualification at NSQF Level 2.5 with 1.5 years relevant experience • Previous Qualification at NSQF Level 2 with 3 years relevant experience
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	18-02-2025
Next Review Date	18-02-2028
NSQC Approval Date	18/02/2025
QP Version	4.0
Model Curriculum Creation Date	08/01/2025
Model Curriculum Valid Up to Date	18-02-2028
Model Curriculum Version	4.0
Minimum Duration of the Course	390
Maximum Duration of the Course	390

Program Overview

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

Training Outcomes

At the end of the program, the learner should have acquired the listed knowledge and skills.

Prepare for Zigzag Machine Embroidery.

- Perform different types of embroidery stitches and artwork.
- Prepare for embroidery related operations.
- Operate the embroidery machine skilfully to achieve the requisite quality of embroidery work.
- Contribute to achieve product quality in embroidery work.
- Maintain work area and tools.
- Maintain a healthy, safe and secure working environment at the workplace.
- Follow greening and energy conservation activities as per the guidelines

Compulsory Modules

The table lists the modules, their duration and mode of delivery.

NOS and Module Details	Theor y Durati on	Practic al Durati on	OJT Duratio n (Manda tory)	OJT Durati on (Reco mmen ded)	Total Duratio n
AMH/N0801: Carry out different types of embroidery stitches using an embroidery machine NOS Version- 3.0 NSQF Level- 3	21.00	69.00	30.00	0.00	120.00
Module 1: Introduction (Bridge Module)	3.00	0.00	0.00	0.00	3.00
Module 2: Carry out different types of embroidery stitches using an embroidery machine	18.00	69.00	30.00	0.00	117.00
AMH/N0802: Embroider decorative designs using embroidery machine NOS Version- 3.0 NSQF Level- 3	42.00	48.00	0.00	0.00	90.00
Module 3: Embroider decorative designs using embroidery machine	42.00	48.00	0.00	0.00	90.00
AMH/N1003: Contribute to achieve quality in embroidery work and Greening of Job Roles NOS Version- 14.0 NSQF Level- 3	15.00	75.00	0.00	0.00	90.00
Module 4: Contribute to achieve quality in embroidery work and Greening of Job Roles	15.00	75.00	0.00	0.00	90.00
AMH/N0102: Maintain work area, tools and machines and Greening of Job Roles NOS Version- 16.0	15.00	15.00	0.00	0.00	30.00

NSQF Level- 2.5					
Module 5: Maintain work area, tools and machines and Greening of Job Roles	15.00	15.00	0.00	0.00	30.00
AMH/N0103: Maintain health, safety and secure work place with Gender and PwD Sensitization NOS Version- 21.0 NSQF Level- 2.5	15.00	15.00	0.00	0.00	30.00
Module 6: Maintain health, safety and secure work place with Gender and PwD Sensitization	15.00	15.00	0.00	0.00	30.00
DGT/VSQ/N0101 V 1.0 Employability Skills NOS Version- 1.0 NSQF Level- 2	12.00	18.00	0.00	0.00	30.00
Module 7: Employability Skills	12.00	18.00	0.00	0.00	30.00
Total Duration	120.00	240.00	30.00	0.00	390.00

Module Details

Module Name 1: Introduction and Orientation to Embroidery Machine Operator

Mapped to Bridge Module

Terminal Outcomes:

Duration: <03:00>	Duration: <00:00>
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> Explain roles and responsibilities of a 'Embroidery Machine Operator'. Explain relation between work role and the overall manufacturing process Describe various employment opportunities in the apparel industry for a 'Embroidery Machine Operator' Describe the production process and the specific work activities that relate to the whole process. 	
Classroom Aids:	
White /black Board With Marker and Chalk, Duster	
Tools, Equipment and Other Requirements	

Module Name 2: Carry out different types of embroidery stitches using an embroidery machine

Mapped to AMH/N0801(version 3.0)

Terminal Outcomes:

- Understand different types of embroidery stitches

- Knowledge about different types fabric
- Knowledge different types of tools
- Understand different types of thread thickness, shade

<i>Duration: 18:00</i>	<i>Duration: 69:00</i>
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • List the characteristics of the materials to be embroidered and how they differ with each other. • Describe technical terms associated with different kinds of embroidery work. • State the organization's policies, procedures, guidelines and standards for quality. • Describe quality systems and other processes practiced in the organization. • Describe types of problems with quality and how to report them to appropriate people. • State reporting procedure in case of faults in own/ other processes. • State one's own responsibilities under health, safety and environmental legislation. • State safe working practices for performing embroidery work • List types of decorative stitches, embroidery styles and techniques and associated stitch type • Describe range of techniques most suited to the different types of fabrics/materials • List the problems encountered when working on different types of materials. • List elements of zig-zag machine embroidery. • Describe thread thickness, shade, sizes and various parts of needles. • Describe various attachments used in the embroidery machine. • Describe common hazards in the work area and work place procedures for dealing with them. • Describe elements of quality control • Describe procedure to follow when a needle breaks. • Describe machine faults and their remedies. • Describe the elements of care and maintenance of an embroidery machine. • List the logical sequence of events to follow if a machine ceases to function correctly • State guidelines for correct storage and disposal of waste materials. • List potential hazards associated with the machines and the safety precautions that must be taken. 	<ul style="list-style-type: none"> • Explain different types of fabrics, materials and accessories used in embroidery • Identify who to refer problems to when they are outside the limit of one's own authority. • Demonstrate how to use the organization's tools, templates and processes for embroidery related operations in production. • Identify various types of embroidery. • Explain different types of embroidery techniques and associated stitch type • Identify tools and material requirements for embroidery as per given specifications. • Check the materials required for embroidery with the given specifications. • List common factors affecting stitching and embroidery • Identify combination of basic stitches and workstyles. • Demonstrate how to perform processes of handling and preparation of machine embroidery. • Identify thread thickness, shade, sizes and various parts of needles. • Demonstrate how to use adjust the top tension in the embroidery machine. • Identify different types of defects in the embroidered product. • Demonstrate how to use various parts of the embroidery machine and its application. • Demonstrate how to perform maintenance, adjustment and replacement procedures of worn parts on the machines required for different types of attachments. • State the relation between thread, machine needle and cloth. • Identify the characteristics of the embroidery materials and how they differ from each other. • Demonstrate how to use types of thread used in machine embroidery. • Identify correct thickness, shade and size of thread as per task requirements. • Demonstrate how to perform the process of colour combination/usage of thread as per the given design. • Identify various types of needles and their suitability for the required task. • List uses of different types of needles. • Carry out test sews. • Check needles and threads regularly. • Identify different types of trims.

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- Describe how to minimise wastage of resources

- Identify different types of embroidery stitches and artwork such as round leaves in different design, dotted stitch, pointed leaves in different design, applique work in machine embroidery and its variation, dori work in machine embroidery, mirror work through machine embroidery, cut work through machine embroidery, round stitch in machine embroidery. Analyse and interpret the given design which needs to be embroidered and the type of embroidery that is required to be done.
- Setup the embroidery machine to the suited setting for carrying out the embroidery to be done.
- Demonstrate how to set required machine setting for different types of embroidery.
- Embroider any given pattern on fabric using the correct thread and materials, using the embroidery machine.
- Use the embroidery machine to carry out dotted stitch on given fabric / material.
- Operate the embroidery machine to embroider different designs as per given pattern/art work such as variations of round leaves and pointed leaves.
- Carry out appliqué work in machine embroidery and its variation.
- Carry out Dori work in machine embroidery as per given design/art work.
- Carry out mirror work through machine embroidery as per given design.
- Execute cut work through machine embroidery as per the given design.
- Carry out Dori work in machine embroidery as per given design/art work.
- Carry out mirror work through machine embroidery as per given design.
- Execute cut work through machine embroidery as per the given design.
- Carry out round stitch in machine embroidery.
- Check if the embroidered product meets the specifications.
- Take appropriate corrective action in case the final product does not meet specifications
- Dispose off the waste materials in the approved manner
- Conform to company quality standards.
- Check with the concerned authority when unsure of new product details.

Classroom Aids:

Charts, Flip Chart, White-Board/SmartBoard, Marker, Duster

Tools, Equipment, and Other Requirements Thread (for embroidery surplus, quantity and quality may vary), Novelty Yarns/Fancy yarns (surplus, quantity and variety may vary), Fabric (surplus fabric, quantity and variety may vary), Surface Embellishments, Industrial Single Needle Lock Stitch Machine set, Zig - Zag Machine with table, Masking Tape, Needles (various sizes), Thimbles For The Thumb (Plastic and Plated), Measuring Scale, Measuring Tape, Hand Needle (all gauges, Punch Needle (all gauges. The quantity may vary), Scissors (fabric and paper cutting), Frame, Pattern Making Paper, Tracing Paper, Carbon Paper, Machine Tool Kit (screw driver, screw etc.), Machine Oil, Cotton Swabs/Dabber/roll, Hand Held Thread

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Trimmer, Hot Glue Gun (quantity may vary), Types Of Glue (Fabric and super glue. Any type), Metallic Tweezer, Tailor's Chalk (quantity may vary as per requirement), Pins And Safety Pins (quantity may vary as per requirement), Dress Maker's Pin (quantity may vary as per requirement), Pin Cushion (quantity may vary as per requirement), Needle Threader , Basic stationary, Fusible Backing Paper (Stabilizer)(any good quality. variety and quantity may vary as per requirement), Student's Chair With Table Arm, Stools Trainees For Machines, Teacher's Chair, Teacher's Table, White Board/Black Board, Boxes /Baskets/Pouches For Storing Items, Labels / Stickers (The quantity and variety may vary),Magnetic White Board Eraser and Marker/Chalk, File Cabinet, dustbin, Dress Form(size medium, male or female),Hanger, First Aid Box, Pressing Table, Iron, Cutting Table, Bobbin, Bobbin Case, Cleaning Cloth, Machine Folders, Machine Attachments, Tools For Maintenance(as per requirement),Swatch Files, Trim Files, Embroidery Design Templates, Design Specification Sheet, Fire Extinguisher, Student Manual/notes, Seam Ripper, Tracing Wheel, Dexterity Test Kit, Dress , Markers Pins, Ink (The quantity and variety may vary),Projector / LCD, Job card

Unique Equipment Required:

Yarns/Fancy yarns (surplus, quantity and variety may vary), Fabric (surplus fabric, quantity and variety may vary), Surface Embellishments, Industrial Single Needle Lock Stitch Machine set, Zig - Zag Machine with table, Masking Tape, Needles (various sizes), Thimbles For The Thumb (Plastic and Plated), Measuring Scale, Measuring Tape, Hand Needle(all gauges, Punch Needle (all gauges. The quantity may vary), Scissors (fabric and paper cutting), Frame, Pattern Making Paper, Tracing Paper, Carbon Paper, Machine Tool Kit (screw driver, screw etc.), Machine Oil, Cotton Swabs/Dabber/roll, Hand Held Thread Trimmer, Hot Glue Gun (quantity may vary), Types Of Glue (Fabric and super glue. Any type), Metallic Tweezer, Tailor's Chalk (quantity may vary as per requirement), Pins And Safety Pins (quantity may vary as per requirement), Dress Maker's Pin (quantity may vary as per requirement), Pin Cushion (quantity may vary as per requirement), Needle Threader , Basic stationary, Fusible Backing Paper (Stabilizer)(any good quality. variety and quantity may vary as per requirement), Student's Chair With Table Arm, Stools Trainees For Machines, Teacher's Chair, Teacher's Table, White Board/Black Board, Boxes /Baskets/Pouches For Storing Items, Labels / Stickers (The quantity and variety may vary),Magnetic White Board Eraser and Marker/Chalk, File Cabinet, dustbin, Dress Form(size medium, male or female),Hanger, First Aid Box, Pressing Table, Iron, Cutting Table, Bobbin, Bobbin Case, Cleaning Cloth, Machine Folders, Machine Attachments, Tools For Maintenance (as per requirement),Swatch Files, Trim Files, Embroidery Design Templates, Design Specification Sheet, Fire Extinguisher, Student Manual/notes, Seam Ripper, Tracing Wheel, Dexterity Test Kit, Dress , Markers Pins, Ink (The quantity and variety may vary),Projector / LCD, Job card.

Module Name 3:Embroider decorative designs using embroidery machine

Mapped to AMH/N0802 (version 3.0)

Terminal Outcomes:

- Interactions with Supervisor
- Understanding of Job Responsibility
- Importance of teamwork

<i>Duration: 42:00</i>	<i>Duration: 48:00</i>
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • State protocol to obtain more information on work related tasks. • Describe how to set work targets in agreement with the supervisor • Describe how to review work targets and check for special instructions, if any. • State protocol and format for reporting work related risks/ problems. • Describe how to identify contact person in case of queries on procedure or products and for resolving 	<ul style="list-style-type: none"> • Identify work target and review mechanism from supervisor interactions. • Identify details of own job role and responsibilities from the job card/sheet. • Demonstrate how to use use design specification sheet. • Identify the various elements of the artwork required. • Make sure the work area is free from hazards. • Follow the instructions and design specifications given for the embroidery to be done.

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<p>issues related to defective machines, tools and/or equipment.</p> <ul style="list-style-type: none"> State documentation and reporting formats of the organisation. State importance of teamwork and harmonious working relationships. Describe process for offering/ obtaining work related assistance. Describe method of obtaining/ giving feedback related to performance. Describe how to report faults in the materials. Describe how to conform to company quality standards. Describe how to report any damaged work to the responsible person Describe how to follow company reporting procedures about defective tools and machines which affect work and report risks/problems likely to affect services to the relevant person promptly and accurately. 	<ul style="list-style-type: none"> Obtain more information on tasks in case of doubts. Use the correct tools and equipment. Check that equipment is safe and set up in readiness for use. Select the correct component parts/fabric/material for embroidery. Check that the materials to be used are free from faults. Ensure that the materials used meet the specification matching embroidery artwork and the design sample of the embroidered product. Check if fabric / component is correctly marked and pieces cut as required. Leave work area safe and secure when work is complete. Operate embroidery machines safely and in accordance with guidelines. Optimize the positioning and layout of materials to ensure a smooth and rapid through put. Check the equipment prior to stitching, including correct controls, correct attachments, correct needle and thread. Ensure that the embroidered design conforms to the artwork specifications. Inspect embroidered products against specifications. Perform all embroidery operations with precision and accuracy.
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Classroom Aids:

Charts, Flip Chart, White-Board/Smart Board, Marker, Duster

Tools, Equipment and Other Requirements

Thread (for embroidery surplus, quantity and quality may vary), Novelty Yarns/Fancy yarns (surplus, quantity and variety may vary), Fabric (surplus fabric, and variety may vary), Surface Embellishments, Industrial Single Needle Lock Stitch Machine set, Zig - Zag Machine with table, Masking Tape, Needles (various sizes), Thimbles For The Thumb (Plastic and Plated), Measuring Scale, Measuring Tape, Hand Needle(all gauges, Punch Needle (all gauges. The quantity may vary), Scissors (fabric and paper cutting), Frame, Pattern Making Paper, Tracing Paper, Carbon Paper, Machine Tool Kit (screw driver, screw etc.), Machine Oil, Cotton Swabs/Dabber/roll, Hand Held Thread Trimmer, Hot Glue Gun (quantity may vary), Types Of Glue (Fabric and super glue. Any type), Metallic Tweezer, Tailor's Chalk (quantity may vary as per requirement), Pins And Safety Pins (quantity may vary as per requirement), Dress Maker's Pin (quantity may vary as per requirement), Pin Cushion (quantity may vary as per requirement), Needle Threader , Basic stationary, Fusible Backing Embellishments, Industrial Single Needle Lock Stitch Machine set, Zig - Zag Machine with table, Masking Tape, Needles (various sizes), Thimbles For The Thumb (Plastic and Plated), Measuring Scale, Measuring Tape, Hand Needle(all gauges, Punch Needle (all gauges. The quantity may vary), Scissors (fabric and paper cutting), Frame, Pattern Making Paper, Tracing Paper, Carbon Paper, Machine Tool Kit (screw driver, screw etc.), Machine Oil, Cotton Swabs/Dabber/roll, Hand Held Thread Trimmer, Hot Glue Gun (quantity may vary), Types Of Glue (Fabric and super glue. Any type), Metallic Tweezer, Tailor's Chalk (quantity may vary as per requirement), Pins And Safety Pins (quantity may vary as per requirement), Dress Maker's Pin (quantity may vary as per requirement), Pin Cushion (quantity may vary as per requirement), Needle Threader , Basic stationary, Fusible Backing Paper (Stabilizer)(any good quality. variety and quantity may vary as per requirement), Student's Chair With Table Arm, Stools Trainees For Machines, Teacher's Chair, Teacher's Table, White Board/Black Board, Boxes /Baskets/Pouches For Storing Items, Labels / Stickers (The quantity and variety may vary),Magnetic White Board Eraser and Marker/Chalk, File Cabinet, dustbin, Dress Form(size medium, male or female),Hanger, First Aid Box, Pressing Table, Iron, Cutting Table, Bobbin, Bobbin Case, Cleaning Cloth, Machine Folders, Machine Attachments, Tools For Maintenance(as per requirement),Swatch Files, Trim Files, Embroidery Design Templates, Design Specification Sheet, Fire

Extinguisher, Student Manual/notes, Seam Ripper, Tracing Wheel, Dexterity Test Kit, Dress , Markers Pins, Ink (The quantity and variety may vary), Projector / LCD, Job card

Unique Equipment Required

Thread (for embroidery surplus, quantity and quality may vary), Novelty Yarns/Fancy yarns (surplus, quantity and variety may vary), Fabric (surplus fabric, quantity and variety may vary), Surface Embellishments, Industrial Single Needle Lock Stitch Machine set, Zig - Zag Machine with table, Masking Tape, Needles (various sizes), Thimbles For The Thumb (Plastic and Plated), Measuring Scale, Measuring Tape, Hand Needle (all gauges, Punch Needle (all gauges. The quantity may vary), Scissors (fabric and paper cutting), Frame, Pattern Making Paper, Tracing Paper, Carbon Paper, Machine Tool Kit (screw driver, screw etc.), Machine Oil, Cotton Swabs/Dabber/roll, Hand Held Thread Trimmer, Hot Glue Gun (quantity may vary), Types Of Glue (Fabric and super glue. Any type), Metallic Tweezer, Tailor's Chalk (quantity may vary as per requirement), Pins And Safety Pins (quantity may vary as per requirement), Dress Maker's Pin (quantity may vary as per requirement), Pin Cushion (quantity may vary as per requirement), Needle Threader , Basic stationary, Fusible Backing Paper (Stabilizer) (any good quality. variety and quantity may vary as per requirement), Student's Chair With Table Arm, Stools Trainees For Machines, Teacher's Chair, Teacher's Table, White Board/Black Board, Boxes /Baskets/Pouches For Storing Items, Labels / Stickers (The quantity and variety may vary), Magnetic White Board Eraser and Marker/Chalk, File Cabinet, dustbin, Dress Form (size medium, male or female), Hanger, First Aid Box, Pressing Table, Iron, Cutting Table, Bobbin, Bobbin Case, Cleaning Cloth, Machine Folders, Machine Attachments, Tools For Maintenance (as per requirement), Swatch Files, Trim Files, Embroidery Design Templates, Design Specification Sheet, Fire Extinguisher, Student Manual/notes, Seam Ripper, Tracing Wheel, Dexterity Test Kit, Dress , Markers Pins, Ink (The quantity and variety may vary), Projector / LCD, Job card.

Module Name 4: Contribute to achieve quality in embroidery work **Mapped to AMH/N1003(version 14.0)**

Terminal Outcomes:

- Understand own responsibility
- Understand the Materials requirements as per the design
- Understand the operating process

<i>Duration: 15:00</i>	<i>Duration: 75:00</i>
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • State the organisation's procedures and guidelines. • Describe types of faults which may occur, how they are identified and methods to deal with them. • Describe quality systems and machine embroidery processes practiced in the organization. • State equipment operating procedures/ manufacturer's instructions • Describe own responsibilities at work during production. • Identify limits of personal responsibility. • Work safely and at a rate which maintains work flow. • Describe consequences of incorrect settings in the embroidery machine. • Describe the methods to keep stitched/ embroidered items away from contamination. 	<ul style="list-style-type: none"> • Identify and use materials required based on the specifications. • Test, sort, track feed and examine work in progress • Apply the allowed tolerances. • Identify faults and take appropriate action for rectification. • Make adjustments promptly to ensure the embroidery work matches the specification. • Fault-find materials and components for creased stained, damage and incorrectly made-up component parts. • Inspect embroidered products against specifications. • Identify modifiable defects and rework on them • Take the necessary action when materials do not conform to quality standards.

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| <ul style="list-style-type: none"> Describe acceptable solutions for particular faults. Describe the types of adjustments suitable for specific types of faults. List types of problems with quality and how to report them to appropriate people. State method to present any ideas for improvement to line manager. List appropriate inspection methods that can be used. List different types of defects. List different types of faults that are likely to be found and how to rectify them List different techniques and methods used to detect faults State the importance of marking and segregating rejects. | <ul style="list-style-type: none"> Report and replace identified faulty materials and component parts which do not meet specification Identify the mark and place rejects in the designated locations. Identify the mark and place rejects in the designated locations. Report to the responsible person when the work flow of other production areas disrupts work. Report faults in other processes to the appropriate person. Maintain the required productivity and quality levels. Complete and maintain documentation. Carry out quality checks at specified intervals according to instructions |
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Classroom Aids:

Charts, Models, Video presentation, Flip Chart, White-Board/Smart Board, Marker, Duster

Tools, Equipment and Other Requirements:-

Thread (for embroidery surplus, quantity and quality may vary), Novelty Yarns/Fancy yarns (surplus, quantity and variety may vary), Fabric (surplus fabric, quantity and variety may vary), Surface Embellishments, Industrial Single Needle Lock Stitch Machine set, Zig - Zag Machine with table, Masking Tape, Needles (various sizes), Thimbles For The Thumb (Plastic and Plated), Measuring Scale, Measuring Tape, Hand Needle(all gauges, Punch Needle (all gauges. The quantity may vary), Scissors (fabric and paper cutting), Frame, Pattern Making Paper, Tracing Paper, Carbon Paper, Machine Tool Kit (screw driver, screw etc.), Machine Oil, Cotton Swabs/Dabber/roll, Hand Held Thread Trimmer, Hot Glue Gun (quantity may vary), Types Of Glue (Fabric and super glue. Any type), Metallic Tweezer, Tailor's Chalk (quantity may vary as per requirement), Pins And Safety Pins (quantity may vary as per requirement), Dress Maker's Pin (quantity may vary as per requirement), Pin Cushion (quantity may vary as per requirement), Needle Threader , Basic stationary, Fusible Backing Paper (Stabilizer)(any good quality. variety and quantity may vary as per requirement), Student's Chair With Table Arm, Stools Trainees For Machines, Teacher's Chair, Teacher's Table, White Board/Black Board, Boxes /Baskets/Pouches For Storing Items, Labels / Stickers (The quantity and variety may vary),Magnetic White Board Eraser and Marker/Chalk, File Cabinet, dustbin, Dress Form(size medium, male or female),Hanger, First Aid Box, Pressing Table, Iron, Cutting Table, Bobbin, Bobbin Case, Cleaning Cloth, Machine Folders, Machine Attachments, Tools For Maintenance (as per requirement),Swatch Files, Trim Files, Embroidery Design Templates, Design Specification Sheet, Fire Extinguisher, Student Manual/notes, Seam Ripper, Tracing Wheel, Dexterity Test Kit, Dress , Markers Pins, Ink (The quantity and variety may vary),Projector / LCD, Job card

Unique Equipment Required:

Thread (for embroidery surplus, quantity and quality may vary), Novelty Yarns/Fancy yarns (surplus, quantity and variety may vary), Fabric (surplus fabric, quantity and variety may vary), Surface Embellishments, Industrial Single Needle Lock Stitch Machine set, Zig - Zag Machine with table, Masking Tape, Needles (various sizes), Thimbles For The Thumb (Plastic and Plated), Measuring Scale, Measuring Tape, Hand Needle(all gauges, Punch Needle (all gauges. The quantity may vary), Scissors (fabric and paper cutting), Frame, Pattern Making Paper, Tracing Paper, Carbon Paper, Machine Tool Kit (screw driver, screw etc.), Machine Oil, Cotton Swabs/Dabber/roll, Hand Held Thread Trimmer, Hot Glue Gun (quantity may vary), Types Of Glue (Fabric and super glue. Any type), Metallic Tweezer, Tailor's Chalk (quantity may vary as per requirement), Pins And Safety Pins (quantity may vary as per requirement), Dress Maker's Pin (quantity may vary as per requirement), Pin Cushion (quantity may vary as per requirement), Needle Threader , Basic stationary, Fusible Backing Paper (Stabilizer)(any good quality. variety and quantity may vary as per requirement), Student's Chair With Table Arm, Stools Trainees For Machines, Teacher's Chair, Teacher's Table, White Board/Black Board, Boxes /Baskets/Pouches For Storing Items, Labels / Stickers (The quantity and variety may vary),Magnetic White Board Eraser and Marker/Chalk, File Cabinet, dustbin, Dress Form(size medium, male or female),Hanger, First Aid Box, Pressing Table, Iron, Cutting Table, Bobbin, Bobbin Case, Cleaning Cloth, Machine Folders, Machine Attachments, Tools For Maintenance (as per requirement),Swatch Files, Trim Files, Embroidery Design Templates, Design Specification Sheet, Fire Extinguisher, Student Manual/notes, Seam Ripper, Tracing Wheel, Dexterity Test Kit, Dress , Markers Pins, Ink (The quantity and variety may vary),Projector / LCD, Job card.

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Module Name 5: Maintain work area, tools and machines and Greening of Job Roles

Mapped to AMH/N0102 (version 16.0)

Terminal Outcomes:

- Importance of Green jobs in organization
- Optimize usage of material and resources at workplace.

<i>Duration: 15:00</i>	<i>Duration: 15:00</i>
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe effects of contamination on products i.e. Machine oil, dirt etc • Describe safe working practices for cleaning and maintenance of equipment. • Describe various markers and tools that are required for marking. • Maintain a comfortable position with correct posture while working. • Describe different ways of minimizing wastage. • Carry out cleaning according to schedules and limits of responsibility. • Explain the importance of effective communication with colleagues and supervisors. • Describe the lines of communication, authority and reporting procedures. • Describe the company's quality standards. • Describe the types of records kept and the methods to complete the records. • Describe the importance of keeping accurate quality records. • Describe the importance of complying with written instructions. • Report quality issues to appropriate people. • State the importance of keeping accurate records concerning quality. • State safe working practices and procedures. • Describe limits of self-responsibility. • Describe ways of resolving problems within the work organizational area. • Explain importance of greening solutions, procedures, policies, legislation and regulations • Discuss the significance of specified usage of resources at work area • Evaluate the different ways to conserve energy in Apparel sector 	<ul style="list-style-type: none"> • Identify different types of cleaning equipment and substances and their use • Identify various machines used for layering and spreading processes • Identify different types of cutting machines like scissors, straight knife, band knife, laser cutting machine, etc. • Testing working practices for cleaning and maintenance of equipment. • List procedures to conduct maintenance of tools and equipment. • Handle materials and tools safely and correctly. • Use cleaning equipment and methods appropriate for the work to be carried out. • Identify common faults with equipment and the method to rectify • Use correct lifting and handling procedures. • Carry out regular running maintenance of tools and equipment within agreed schedules and limits of responsibility. • Carry out safe working practices for cleaning and maintenance of equipment. • Identify different ways of minimizing wastage. • Dispose off waste safely in the designated location. • Store cleaning equipment safely at the designated place after use. • Discussed the importance of switch of the machine when not in use. • Carrying out work functions in accordance with organizational standards, greening solutions, procedures, policies, legislation and regulations. • Demonstrate the method of handling and storage of waste materials such as paper, sketches, colouring tools, electronic waste, etc

Classroom Aids:

Charts, Flip Chart, White-Board/SmartBoard, Marker, Duster

Tools, Equipment, and Other Requirements

12 Embroidery Machine Operator

White/ Black Board, White and Black Board Marker , cleaning equipment, machines used for layering and spreading processes, markers and tools, cutting machines like scissors, straight knife, band knife, laser cutting machine, etc.,

Unique Equipment Required:

Thread (for embroidery surplus, quantity and quality may vary), Novelty Yarns/Fancy yarns (surplus, quantity and variety may vary), Fabric (surplus fabric, quantity and variety may vary), Surface Embellishments, Industrial Single Needle Lock Stitch Machine set, Zig - Zag Machine with table, Masking Tape, Needles (various sizes), Thimbles For The Thumb (Plastic and Plated), Measuring Scale, Measuring Tape, Hand Needle(all gauges, Punch Needle (all gauges. The quantity may vary), Scissors (fabric and paper cutting), Frame, Pattern Making Paper, Tracing Paper, Carbon Paper, Machine Tool Kit (screw driver, screw etc.), Machine Oil, Cotton Swabs/Dabber/roll, Hand Held Thread Trimmer, Hot Glue Gun (quantity may vary), Types Of Glue (Fabric and super glue. Any type), Metallic Tweezer, Tailor's Chalk (quantity may vary as per requirement), Pins And Safety Pins (quantity may vary as per requirement), Dress Maker's Pin (quantity may vary as per requirement), Pin Cushion (quantity may vary as per requirement), Needle Threader , Basic stationary, Fusible Backing Paper (Stabilizer)(any good quality. variety and quantity may vary as per requirement), Student's Chair With Table Arm, Stools Trainees For Machines, Teacher's Chair, Teacher's Table, White Board/Black Board, Boxes /Baskets/Pouches For Storing Items, Labels / Stickers (The quantity and variety may vary),Magnetic White Board Eraser and Marker/Chalk, File Cabinet, dustbin, Dress Form(size medium, male or female),Hanger, First Aid Box, Pressing Table, Iron, Cutting Table, Bobbin, Bobbin Case, Cleaning Cloth, Machine Folders, Machine Attachments, Tools For Maintenance (as per requirement),Swatch Files, Trim Files, Embroidery Design Templates, Design Specification Sheet, Fire Extinguisher, Student Manual/notes, Seam Ripper, Tracing Wheel, Dexterity Test Kit, Dress , Markers Pins, Ink (The quantity and variety may vary),Projector / LCD, Job card

Module Name 6: Maintain health, safety and secure work place with Gender and PwD Sensitization

Mapped to AMH/N0103 (version 21.0)

Terminal Outcomes:

- Knowledge about health
- Knowledge about safety
- Discussed the importants of PWD & Gender Sensitivity

<i>Duration: 15:00</i>	<i>Duration: 15:00</i>
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • List details of personnel trained in first aid, fire- fighting and emergency response. • Report unsafe equipment and other dangerous occurrences. • Explain identification, handling and storage of machine oil, chemical or ink used for transferring the design. • Describe elements of proper disposal system for waste and by-products. • Explain identification, handling and storage of machine oil, chemical or ink used for transferring the design. 	<ul style="list-style-type: none"> • Explain health and safety related practices applicable at the workplace. • Describe layout of the plant and details of emergency exits, escape routes, emergency equipment and assembly points. • Identify signage related to health and safety and their meaning. • Participate in mock drills/ evacuation procedures organized at the workplace. • Follow instructions as per organisational norms in the event of fire, emergencies or accidents. • Identify and correct (if possible) malfunctions in machinery and equipment.

<ul style="list-style-type: none"> Describe actions to take in the event of a mock drill/ evacuation procedures or actual accident, emergency or fire. Follow organization procedures for shutdown and evacuation when required. Carry out own activities in line with approved guidelines and procedures. Minimize health and safety risks to self and others due to own actions. Report any service malfunctions that cannot be rectified. Store materials and equipment in line with manufacturer's and organizational requirements. State importance of sound health, hygiene and good habits Describe ill-effects of alcohol, tobacco and drugs. 	<ul style="list-style-type: none"> Safely handle and move waste and debris. Perform basic first aid. Perform basic CPR. Discuss importance of training sensitization programs for gender, and PwD awareness organized at workplace. State environmental management system related procedures to be followed at the workplace. Discuss how to accommodate employees with disabilities Maintain a healthy lifestyle and guard against dependency on intoxicants. Explain health and safety related practices applicable at the workplace. Explain importance of complying with health, safety, gender and PwD related instructions applicable to workplace
Classroom Aids:	
Charts, Models, Video presentation, Flip Chart, White-Board/SmartBoard, Marker, Duster	
Tools, Equipment, and Other Requirements	
Container, Protective gears, Reporting Formats, Etc	

Module Name 7: Employability Skills

DGT/VSQ/N0101V 1.0 NOS (Version- 1.0)

Terminal Outcomes:

- Introduction to Employability Skills
- Constitutional values - Citizenship
- Becoming a Professional in the 21st Century
- Basic English Skills
- Communication Skills
- Diversity & Inclusion
- Financial and Legal Literacy
- Essential Digital Skills
- Entrepreneurship
- Customer Service
- Getting ready for apprenticeship & Jobs

Duration: 30:00 Hrs (Theory 12 Hrs + Practical 18 Hrs)

Key Learning Outcomes

Introduction to Employability Skills Duration: 1 Hour

After completing this programme, participants will be able to:

- 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

Classroom Aids:

Charts, Models, Flip Chart, White-Board/SmartBoard, Marker, Duster

Tools, Equipment, and Other Requirements

1.Computer (PC) with latest configurations – and Internet connection with standard operating system and standard word processor and worksheet software (Licensed)
(all software should either be latest version or one/two version below)
As required

2. UPS As required 3. Scanner cum Printer As required 4. Computer Tables As required 5. Computer Chairs As required
6. LCD Projector As required 7. White Board 1200mm x 900mm As required

Annexure

Trainer Requirements

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
High School		6 Year	Embroidery	0	Embroidery	The candidate Education qualification is required in relevant trade. Textiles qualification and experience will not be considered .
Senior Secondary		5 Year	Embroidery	0	Embroidery	
Diploma		4 Year	Embroidery	0	Embroidery	
Graduation		3 Year	Embroidery	0	Embroidery	
Post graduate diploma		2 Year	Embroidery	0	Embroidery	
Post Graduate Degree in relevant trade or sector		1 Year	Embroidery	0	Embroidery	
Trainer Certification						
Domain Certification		Platform Certification				

Certificate for Job Role: “Embroidery Machine Operator” mapped to QP: “AMH/ Q0801”	Recommended that the Trainer is certified for the Job Role: “Trainer” , mapped to the Qualification Pack: “Master Trainer (VET and Skills) MEP/Q2601 v2.0” . Minimum accepted score is 80%.
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Trainer Prerequisites Employability Skills						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training/Assessment Experience		Remarks
		Years	Specialization	Years	Specialization	
Graduate/CITS	Any discipline			2	Teaching experience	Prospective ES trainer should: <ul style="list-style-type: none"> • have good communication skills • be well versed in English • have digital skills • have attention to detail • be adaptable • have willingness to learn
Current trainers	ITI					
	Employability Skills Training (3 days full-time course done between 2019-2022)					
Certified current trainers	EEE (155 hours)					
	from Management SSC (MEPSC)					
Certified Trainer	Qualification Pack: Trainer (MEP/Q0102)					

Trainer Certification Employability Skills	
Domain Certification	Platform Certification
Certified in 30-hour Employability NOS (2022), with a minimum score of 80% OR Certified in 120-, 90-, 60- hour Employability NOS (2022), with a minimum score of 80%	NA

Master Trainer Prerequisites Employability Skills

Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training/Assessment Experience		Remarks
		Years	Specialization	Years	Specialization	
Graduate/CITS	Any discipline			3	Employability Skills curriculum training experience with an interest to train as well as orient other	Prospective ES Master trainer should: • have good communication skills • be well versed in English • have basic digital skills • have attention to detail • be adaptable • have willingness to learn • be able to grasp concepts fast and is creative with teaching practices and likes sharing back their learning with others
Certified Master Trainer	Qualification Pack: Master Trainer (MEP/Q2602)			3	EEE training of Management SSC (MEPSC) (155 hours)	

Master Trainer Certification Employability Skills

Domain Certification	Platform Certification
Certified in 30-hour Employability NOS (2022), with a minimum score of 90%. OR Certified in 120-, 90-, 60- hour Employability NOS (2022), with a minimum score of 90%	NA

Assessor Requirements

Assessor Prerequisites

Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	

ITI/ Diploma		4 Year	Embroidery	0	Embroidery	The candidate Education qualification is required in relevant trade. Textiles qualification and experience will not be considered .
Graduation		3 Year	Embroidery	0	Embroidery	
Post graduate diploma		2 Year	Embroidery	0	Embroidery	
Post Graduate Degree in relevant trade or sector		1 Year	Embroidery	0	Embroidery	
Assessor Certification						
Domain Certification		Platform Certification				
Certificate for Job Role: “Embroidery Machine Operator ”mapped to QP: “AMH/ Q0801”		Recommended that the Assessor is certified for the Job Role: “Assessor”, mapped to the Qualification Pack: “Assessor (VET and Skills) MEP/Q2701 v2.0” . Minimum accepted % as per respective SSC guidelines is 80%.				

Assessment Strategy

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS. examination/training center (as per assessment criteria below)
4. Individual assessment agencies will create unique question papers for theory part for each candidate at each.
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on these criteria.
6. To pass the Qualification Pack, every trainee should score a minimum of 70% aggregate in QP.
7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Acronyms and Abbreviations

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework

QP	Qualifications Pack
TVET	Technical and Vocational Education and Training

Glossary

Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.

Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.
Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard.
Organisational Context	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/ Generic Skills (GS)	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.