

## NSQF QUALIFICATION FILE

Approved in 22th NSQC Meeting-NCVET-25<sup>th</sup> August 2022

Computer Aided Embroidery & Designing

### CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

Directorate General of Training (DGT)  
Government of India, Ministry of Skill Development and Entrepreneurship,  
1st and 2nd Floor, CIRTES Building  
Next to Pusa ITI, Pusa Campus  
New Delhi – 110012.

NCVET Code

2022/APR/DGT/06182

#### Name and address of submitting body:

Directorate General of Training (DGT)  
Government of India, Ministry of Skill Development and Entrepreneurship,  
1st and 2nd Floor, CIRTES Building  
Next to Pusa ITI, Pusa Campus  
New Delhi – 110012.

#### Name and contact details of individual dealing with the submission

Name: Mrs. Sandhya Salwan

Position in the organisation: Deputy Director General

Address if different from above:

Tel number(s): 011-25802140

E-mail address: sandhya.salwan@nic.in

#### List of documents submitted in support of the Qualifications File

1. Competency-based curriculum with following details:

Model Curriculum to be added which will include the following:

1. Indicative list of tools/equipment to conduct the training: Enclosed with curriculum
  2. Trainers qualification: Indicated in the curriculum
  3. Lesson Plan: All DGT curricula are designed indicating specific practical to be carried out during training along with details of trade theory. Based on this the concerned instructor prepares the Lesson Plan and demonstration plan with support of IMPs developed by NIMI, DGT.
  4. Distribution of training duration into theory/practical/OJT component: Indicated in the curriculum.
1. Curriculum for Core Skills (Employability Skills).

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### 1. SUMMARY

1	<b>Qualification Title</b>	<b>'COMPUTER AIDED EMBROIDERY &amp; DESIGNING'</b>
2	<b>Qualification Code, if any</b>	<b>DGT/1072</b>
3	<b>NCO code and occupation</b>	8153.0600 – Embroidery-Machine Operator (Semi-Automatic) 8153.0500 – Embroider, Machine 8153.0701 – Framer-Computerized Embroidery Machine
4	<b>Nature and purpose of the qualification (Please specify whether qualification is short term or long term)</b>	Prepare skilled technician to undertake the job roles of Computer Aided Embroidery & Designing and will enable the trainee to tend semiautomatic sewing machine with multiple-sewing heads controlled by pattern chain that embroiders designs on garments or garment parts etc.  It is a long term qualification.
5	<b>Body/bodies which will award the qualification</b>	Directorate General of Training (DGT).
6	<b>Body which will accredit providers to offer courses leading to the qualification</b>	Directorate General of Training (DGT) accredits the Training providers (ITIs/ NSTIs/ MSTIs/ BTCs/BTPs / Industries / Establishments).
7	<b>Whether accreditation/affiliation norms are already in place or not , if applicable (if yes, attach a copy)</b>	Yes. The accreditation/ affiliation norms and any amendments made from time to time are available on DGT web portal.
8	<b>Occupation(s) to which the qualification gives access</b>	<ul style="list-style-type: none"><li>• Embroidery-Machine Operator (Semi-Automatic)</li><li>• Embroider, Machine</li><li>• Framer-Computerized Embroidery Machine</li></ul>
9	<b>Job description of the occupation</b>	The individual embroiders various designs on fabric or garments by machines. Selects size and colour of thread and amounts bobbins of thread or machine. Threads needle and pass yarn through carrier of machine. Adjusts machine for thread tension and type of stitch. Presses lever to raise needle and inserts material under it. Guides material or sewing arm of machine in accordance with drawing or outline or guide points of pantograph on enlarged design etc.

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10	Licensing requirements	NOT REQUIRED																		
11	Statutory and Regulatory requirement of the relevant sector (documentary evidence to be provided)	NOT APPLICABLE																		
12	Level of the qualification in the NSQF	Level 3																		
13	Anticipated volume of training/learning required to complete the qualification	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Course Element</th> <th>Notional Training Hours</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Professional Skill (Trade Practical)</td> <td>840</td> </tr> <tr> <td>2</td> <td>Professional Knowledge (Trade Theory)</td> <td>240</td> </tr> <tr> <td>3</td> <td>Employability Skills</td> <td>120</td> </tr> <tr> <td></td> <td><b>Total</b></td> <td><b>1200</b></td> </tr> <tr> <td>4</td> <td>Projects/OJT</td> <td>150</td> </tr> </tbody> </table>	Sl. No.	Course Element	Notional Training Hours	1	Professional Skill (Trade Practical)	840	2	Professional Knowledge (Trade Theory)	240	3	Employability Skills	120		<b>Total</b>	<b>1200</b>	4	Projects/OJT	150
Sl. No.	Course Element	Notional Training Hours																		
1	Professional Skill (Trade Practical)	840																		
2	Professional Knowledge (Trade Theory)	240																		
3	Employability Skills	120																		
	<b>Total</b>	<b>1200</b>																		
4	Projects/OJT	150																		
14	Indicative list of training tools required to deliver this qualification	As per Annexure I of curriculum.																		
15	Entry requirements and/or recommendations and minimum age	Passed 10th Class Examination.  Minimum age 14years as on first day of academic session																		
16	Progression from the qualification (Please show Professional and academic progression)	<p>An Individual can proceed for:</p> <table border="1"> <tbody> <tr> <td>                     Professional                     <ul style="list-style-type: none"> <li>● Embroiderer</li> <li>● Senior Embroiderer</li> <li>● Supervisor</li> <li>● Manager</li> <li>● Entrepreneur</li> </ul> </td> <td>                     Technical / Academic                       ATS                      CITS                 </td> </tr> </tbody> </table>	Professional <ul style="list-style-type: none"> <li>● Embroiderer</li> <li>● Senior Embroiderer</li> <li>● Supervisor</li> <li>● Manager</li> <li>● Entrepreneur</li> </ul>	Technical / Academic  ATS CITS																
Professional <ul style="list-style-type: none"> <li>● Embroiderer</li> <li>● Senior Embroiderer</li> <li>● Supervisor</li> <li>● Manager</li> <li>● Entrepreneur</li> </ul>	Technical / Academic  ATS CITS																			
17	Arrangements for the Recognition of Prior learning (RPL)	<ul style="list-style-type: none"> <li>● Yes (For more details refer "Guidelines for Private candidate" in DGT website MIS portal).</li> </ul>																		

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18	International comparability where known (research evidence to be provided)	-		
19	Date of planned review of the qualification.	3 Yrs. from the Date of Approval		
20	Formal structure of the qualification			
	Mandatory components			
	Title of component and identification code/NOSs/ Learning Outcomes	Estimated size (learning hours)		Level
		Skills	Knowledge	
<b>TRADE SPECIFIC</b>				
(i)	Identify and use embroidery tools, machine and operate following safety precautions. ( NOS:AMH/NO102)	60	12	3
(ii)	Prepare sample basic hand stitches (Temporary & permanent stitch). (NOS: AMH/N1011)	30	6	3
(iii)	Attain the skill to prepare sample by both the technique (Hand and Machine). ( NOS: AMH/N1011)	30	18	3
(iv)	Embroidery Design the following with suitable fabric design using coral draw software. (Indian Dresses, Western Dresses) (NOS :AMH/N1302)	150	24	3
(v)	Set up the machine and machine accessories as per requirement (NOS: AMH/NO801)	60	24	3
(vi)	Identify, select and troubleshoot the machine with proper maintenance procedure (NOS:AMH/N1003)	30	6	3
(vii)	Develop the skill to make computerizes design with the application of software. (NOS:AMH/N1302)	60	30	3
(viii)	Setup computerized embroidery machine for transferring the image. AMH/N9402	30	12	3

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<b>(ix)</b>	Run the computerized embroidery machine for all the digitizing process. (NOS: AMH/N1302)	270	72	3
<b>(x)</b>	Prepare T-shirt used monogramming & logo design. (NOS: AMH/N1302)	60	12	3
<b>(xi)</b>	Identify, select and apply the digitizing design and use various techniques e.g. Appliqué work, Sequins work, Taping work, Cording work, Chenille work (NOS: AMH/N1302)	60	24	3
CORE SKILL				
EMPLOYABILITY SKILLS				
<b>(i)</b>	Introduction to Employability Skills	-	120	-
<b>(ii)</b>	Constitutional values - Citizenship	-		-
<b>(iii)</b>	Becoming a Professional in the 21st Century	-		-
<b>(iv)</b>	Basic English Skills	-		-
<b>(v)</b>	Career Development & Goal Setting	-		-
<b>(vi)</b>	Communication Skills	-		-
<b>(vii)</b>	Diversity & Inclusion	-		-
<b>(viii)</b>	Financial and Legal Literacy	-		-
<b>(ix)</b>	Essential Digital Skills	-		-
<b>(x)</b>	Entrepreneurship	-		-
<b>(xi)</b>	Customer Service	-		-
<b>(xii)</b>	Getting Ready for Apprenticeship & Jobs	-		-
	Total	1200		
	OJT	150		

**SECTION 1**  
**ASSESSMENT**

21	<p><b>Body/Bodies which will carry out assessment:</b> Controller of Examinations, DGT</p>
22	<p><b>How will RPL assessment be managed and who will carry it out?</b> DGT will carry out the RPL assessment following the below mentioned eligibility criteria for Trainee: Applicants aspiring to appear as Private Candidates in the AITT under CTS for award of NTC, have been categorized based on their educational background and experience. Subsequently 'Private Candidates' may be admitted under one of the following categories. Category wise 'eligibility criteria' for appearing as 'Private Candidate' in AITT under CTS has been listed below:</p> <p><b>Category I: Ex-trainees (successful pass-outs) of ITI</b> A. Ex-trainees of ITI who already possess NTC in one of the trades under CTS, are eligible for applying as Private candidate for an allied trade, provided he/ she fulfils all the conditions regarding educational qualification etc. prescribed for that allied trade. B. In addition, the applicant should possess minimum of 1 year experience (as on date of submission of application) post the date of AITT result declaration in the desired allied trade in establishments implementing Apprenticeship Training Scheme (ATS)/ establishments registered under the Apprenticeship portal or registered MSMEs or Entities registered with any government/local authorities / shops covered under Factories Act 1948 and Shops and Establishments Act applicable for the concerned State.</p> <p><b>Category II: 'Ex-trainees (successful pass-outs) and current trainees under CoE scheme</b> A. The applicant should have the minimum prescribed entry qualification and should fulfil eligibility criteria for the desired trade under CTS, in which he/she intends to appear for AITT as Private Candidate. CoE candidates must register as 'Private Candidate' under CTS in the relevant/mapped CTS trade only. B. There should be a minimum gap of 1 year between successful completions of CoE training i.e. from the date of result declaration to the date of submission of application for 'Private Candidate' certification. C. During this gap of 1 year, the candidate must have undergone Industry training or gained experience in desired trade in establishments implementing Apprenticeship Training Scheme (ATS)/ establishments registered under the Apprenticeship portal or registered MSMEs or Entities registered with any government/local authorities / shops covered under Factories Act 1948 and Shops and Establishments Act applicable for the concerned State.</p> <p><b>Category III: SCVT Candidates (admitted till August 2018 session)</b></p>

	<p>A. No special provisions have been made for SCVT Trainees to enrol as 'Private Candidate'. Going forward, SCVT trainees have been granted equivalence vide G.S.R 186(E) dated 2nd March 2017 for undergoing apprenticeship training under the Apprentices Act 1961 to obtain 'NAC'.</p> <p>B. Only for SCVT trainees admitted till August 2018 batch, provision has been made for obtaining NTC by appearing in AITT under 'Private Candidate'. Such trainees will continue to be governed by old guidelines for 'Private Candidate'.</p> <p>Category IV: Other Candidates (candidate not falling in any of the above 3 categories, including SCVT trainees enrolled from admission session 2019 onwards)</p> <p>A. The applicant should have the minimum prescribed entry qualification and should fulfil eligibility criteria for the relevant trade under CTS, in which he/she desires to appear for AITT as Private Candidate.</p> <p>B. Applicant should be minimum 21 years of age on the date of submission of application. There is no upper age limit.</p> <p>C. The applicant should possess minimum of 3 years' experience (on the date of submission of application) in the relevant trade in establishments implementing Apprenticeship Training Scheme (ATS)/ establishments registered under the Apprenticeship portal or registered MSMEs or Entities registered with any government/local authorities / shops covered under Factories Act 1948 and Shops and Establishments Act applicable for the concerned State.</p> <p>For detail and updated information please refer to DGT web portal.</p>
<p>23</p>	<p><b>Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, reliable and fair and show that these are in line with the requirements of the NSQF.</b></p> <p><b>(1) Assessment process:</b>  The assessment for the qualification is carried out by conducting formative assessments, and end of year examinations (Summative). The formative assessments in respect of each Learning Outcome for practical and related theory are conducted by the concerned instructors for evaluating the knowledge and skill acquired by trainees and the behavioural transformation of the trainees. This formative assessment is primarily carried out by collecting evidence of competence gained by the trainees by evaluating them at work based on assessment criteria, asking questions and initiating formative discussions to assess understanding and by evaluating records and reports. Summative assessment is carried out by All India Trade Test on Trade Theory, Trade practical and Employability Skills. The question papers for the theory Examinations contain objective type questions.</p> <p>The marking pattern and distribution of marks for the qualification are as under:</p>



Sl. No.	Type of assessment	Subject for the trade test	Marks
1	Summative Assessment	Practical	250
2		Trade Theory	100
5		Employability Skills	50
6	Formative assessment based on Learning Outcomes		200
TOTAL:			600

**(2) Minimum pass marks:**

The minimum pass percent for Trade Practical and Formative assessment is 60% & for all other subjects is 33%. There will be no Grace marks.

**Testing and certifications for the course:**

Controller of examinations, DGT carries out the assessment and issues National Trade Certificate (NTC) following the norms and guidelines issued by the Directorate from time to time.

**Overall assessment strategy:**

Assessment of the qualification evaluates trainees to show that they can integrate knowledge, skills and values for carrying out relevant tasks as per the defined learning outcomes and assessment criteria. The trainees may choose the preferred language for assessment. The underlying principle of assessment is fairness and transparency. While assessing the trainee, assessor is directed to assess as per the defined assessment criteria against the learning outcomes. The evidence of the competence acquired by the trainees can be obtained by conducting theory and practical examinations, observing the trainees at work, asking questions and initiating discussions to assess, understand and evaluate records and reports. The ultimate objective of the assessment is to assess the candidates as per the defined assessment criteria for the learning outcomes.

**Specific Arrangements for assessment:**

- Assessment is outcome-based.
- There are formative and summative assessments in Theory and Practical.
- Assessment is carried out in Trade theory, Trade Practical and Employability Skills.
- While Trade Theory and Trade Practical are used for assessing Trade-related jobs and Employability skills is used to test the communication, professional language, leadership and entrepreneurship and team-work abilities of the trainee.



	<ul style="list-style-type: none"> <li>In addition to demonstration of theory and practical knowledge, trainees get a chance to present total personality.</li> </ul> <p><b>Quality assurance activities:</b>                  Question papers are set by external paper setters/ software generated.                  Evaluation of Theory Examinations in Trade and Employability Skill is done by third-party agency.                  Trade Practical is examined by External Examiner.</p>
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**24. Assessment evidences**

**Title of Component: Formative Assessment Breakup**

( on half yearly average of the learning assessment covered)

**Means of assessment**

Assessment will be evidence based comprising the following for each Learning Outcome:

<b>Seria l No.</b>	<b>Terminal Competency</b>	<b>Maximum Weightage (%)</b>
1	Safety consciousness	15
2	Workplace hygiene	5
3	Attendance/ Punctuality	10
4	Ability to follow Manuals/ Written instructions	5
5	Application of Knowledge	10
6	Skills to handle tools / equipment/ Instruments/ Devices	10
7	Economical use of materials	5
8	Working Strategy	10
9	Quality in workmanship/ Performance	15
10	VIVA	15
	<b>Total Maximum Weightage (%)</b>	<b>100</b>

**Pass/Fail**

The minimum pass percentage is 60% marks for formative assessment.

**LEARNING OUTCOME WITH ASSESSMENT CRITERIA:**

LEARNING OUTCOME (TRADE SPECIFIC)	
LEARNING OUTCOME	ASSESSMENT CRITERIA
1. Identify and use embroidery tools, machine and operate following safety precautions. (NOS:AMH/NO102)	Identify embroidery tools.
	Identify all parts of equipment and their accessories.
	Clean all parts of equipment.
	Plan and operate.
	Identify basic faults and correct.
	Safety and maintenance.
2. Prepare sample basic hand stitches (Temporary & permanent stitch) (NOS: AMH/N1011)	Identify and use the embroidery tools with safety.
	Select raw material for Temporary & permanent basic hand stitches.
	Prepare sample of Temporary stitches such as basting even, basting uneven, diagonal, slip basting.
	Prepare sample of permanent stitches such as running, hemming, slip, run & back, over casting.
	Explain difference between Temporary & Permanent stitch
	Sample should be properly finished and pressed.
3. Demonstrate and prepare sample both technique (Hand and Machine). (NOS: AMH/N1011)	Identify and use the Pressing and Embroidery tools with safety.
	Select raw material, tools and equipment for tracing method.
	Prepare sample of running, back, satin and cross stitch by hand embroidery technique.
	Prepare sample of same stitches by computerized embroidery machine.
	Explain difference between hand embroidery and machine embroidery.
	Sample should be properly finished and pressed.

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4. Embroidery designs the following with suitable fabric design using coral draw software. (Indian Dresses, Western Dresses) (NOS :AMH/N1302)	Open the software and do the required page setup for the design.
	Identify and use the suitable tools for designing.
	Sketch the garment with suitable fabric design.
	Follow the designing principal.
	Select the colors and colour combination.
	Apply colour using colour filling tools.
	Save the file in a folder and take the print out of the design using colour printer.
5. Set up the machine and machine accessories as per requirement (NOS: AMH/NO801)	Identify and use the Pressing and Embroidery tools with safety.
	Decide the features and placement of the design (Border, Spray, Corner, Center, Link, etc) suitable for the part of the garment (Sleeves, Yokes, Cuffs, Neck, etc).
	Draw the design using already installed by following the elements of design.
	Apply suitable colors to the design by following color scheme.
	Press the garment part. Transfer the design on the garment.
	Fix the garment part properly on the embroidery frame.
	Select suitable embroidery stitches for the design.
	Start embroidery and complete the design step by step by applying suitable stitches at the required portions.
	Remove the frame and trim the excess threads.
	Follow the safety instructions throughout the process.
6. Identify, select and troubleshoot the machine with proper maintenance procedure. (NOS:AMH/N1003)	Machine oiling and maintenance
	Trouble shoots the machine whenever required.
	Comply with safe operating principal.
	Follow the safety instructions throughout the process.

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7. Develop the skill to make computerized design with the application of software (NOS:MH/N1302)	Select correct needle, Pressing and Embroidery tools with safety.
	Open the software (Embroidery Software) and Select already install Design suitable for a Cushion Cover.
	Digitized and editing stitches.
	Apply suitable colours to the design.
	Decide the placement of the design in the fabric.
	Fix the cushion cover properly on the embroidery frame.
	Select suitable Machine embroidery stitches for the design.
	Do the upper and lower threading of the machine.
	Start embroidery and complete the design step by step by applying suitable stitches at the required portions.
	Remove the frame trim extra thread and press the cushion cover neatly.
Follow safety precaution	
8. Setup computerized embroidery machine for transferring the image. . AMH/N9402	Open the software and do the required design.
	Identify and use the suitable tools for designing.
	Sketch the garment with suitable fabric design.
	Follow the designing principal.
	Select the colors and color combination.
	Apply color using color filling tools.
	Decide the features and placement of the design.
	Fix the pillow cover properly on the embroidery frame.
	Select suitable Machine embroidery stitches for the design.
	Do the upper and lower threading of the machine.
Start embroidery and complete the design step by step by applying suitable stitches at the required portions.	

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	Remove the frame trim extra thread and press the pillow cover neatly.
9. Run the computerized embroidery machine for all the digitizing process. (NOS: AMH/N1302)	Open the embroidery software and do the required design.
	Identify and use the tools for digitizing.
	Sketch the garment with suitable fabric design.
	Follow the designing principal.
	Select suitable stitches for the design.
	Select the colors and color combination.
	Apply color using color filling tools.
	Decide the features and placement of the design.
	Select correct needles, frame, scissor and thread.
	Fix the bed sheet properly on the embroidery frame.
	Do the upper and lower threading of the machine.
	Start embroidery and complete the design step by step by applying suitable stitches at the required portions.
	Maintain hygiene.
	Maintain safety expects.
	Maintain quality as per requirement.
Remove the frame trim extra thread and press the bed sheet neatly.	
Produce a estimate and cost sheet.	
10. Prepare T-shirt used monogramming & logo design. (NOS: AMH/N1302)	Open the embroidery software and do the required design.
	Identify and use the tools for digitizing.
	Sketch the garment with suitable fabric design.
	Follow the designing principal.

	Select suitable stitches for the design.
	Select the colors and color combination.
	Apply color using color filling tools.
	Decide the features and placement of the design.
	Select correct needles, frame, scissor and thread.
	Fix the T- shirt properly on the embroidery frame.
	Do the upper and lower threading of the machine.
	Start embroidery and complete the design step by step by applying suitable stitches at the required portions.
	Maintain hygiene.
	Maintain safety expects.
	Maintain quality as per requirement.
	Remove the frame trim extra thread and press the T- shirt neatly.
	Produce a estimate and cost sheet.
11. Identify, select and apply the digitizing design and use various techniques e.g. Appliqué work, Sequins work, Taping work, Cording work, Chenille work. (NOS: AMH/N1302)	Open the embroidery software and do the required design.
	Identify and use the tools for digitizing.
	Sketch the garment with suitable fabric design.
	Follow the designing principal.
	Select suitable stitches for the design.
	Select the colors and color combination.
	Apply color using color filling tools.
	Decide the features and placement of the design.
	Select correct needles, frame, scissor and thread.
	Fix the sari properly on the embroidery frame.
	Do the upper and lower threading of the machine.
	Start embroidery and complete the designs use appliqué, sequins, taping, cording and chenille step by step by applying suitable stitches at the required portions.
	Maintain hygiene.
	Maintain safety expects.
	Maintain quality as per requirement.

	Remove the frame trim extra thread and press the bed sheet neatly.
	Produce a estimate and cost sheet.

LEARNING OUTCOMES (CORE SKILL)	
EMPLOYABILITY SKILLS	
LEARNING OUTCOME	ASSESSMENT CRITERIA
1. <b>Introduction to Employability Skills</b>	1. Outline the importance of Employability Skills for the current job market and future of work
	2. List different learning and employability related GOI and private portals and their usage
	3. Research and prepare a note on different industries and the available opportunities
2. <b>Constitutional values - Citizenship Duration</b>	4. Explain the essential civic rights and duties required to be followed to become a responsible citizen
	5. Discuss the role of personal values and ethics in personal and social development
	6. Identify and practice different environmentally sustainable practices
3 <b>Becoming a Professional in the 21st Century</b>	7. Discuss relevant 21st century skills required for employment
	8. Highlight the importance of practicing 21st century skills like Self-Awareness, Behavior Skills, Positive attitude, self -motivation, problem solving, and time management skills in personal or professional life
	9. Create a pathway for adopting a learning mindset for personal and professional development
Use	
4. <b>Basic English Skills</b>	10. appropriate grammar and sentences while interacting with others
	11. Read English text with appropriate articulation
	12. Role play a situation on how to talk appropriately to a customer in English, over the phone or in person



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	13. Write a short note/paragraph / letter/e -mail using correct English
<b>5. Career Development &amp; Goal Setting</b>	14. Research and identify trends and different skills required to match the current market requirement for a job
	15. Create a career development plan with well-defined short- and long-term goals
<b>6. Communication skills</b>	16. Demonstrate how to communicate effectively using verbal and nonverbal communication etiquette
	17. Write a short note/paragraph on a familiar topic
	18. Explain the importance of communication etiquette including active listening for effective communication
	19. Role play a situation on how to work collaboratively with others in a team
<b>7. Diversity and Inclusion</b>	20. Exhibit how to behave, communicate and conduct oneself appropriately with all genders and PwD
	21. Discuss the POSH Act and its significance
<b>8. Financial and Legal Literacy</b>	22. Discuss various financial institutions, products, and services
	23. Demonstrate how to carry out offline and online financial transactions, safely and securely and check passbook/statement
	24. Explain the common components of salary such as Basic, PF, Allowances (HRA, TA, DA, etc.), tax deductions
	25. Calculate income and expenditure for budgeting
	26. Discuss the legal rights, laws, and aids
<b>9. Essential Digital Skills</b>	27. Describe the role of digital technology in day-to-day life and the workplace
	28. Demonstrate how to operate digital devices and use the associated applications and features, safely and securely
	29. Demonstrate how to connect devices securely to internet using different means
	30. Follow the dos and don'ts of cyber security to protect against cyber crimes
	31. Discuss the significance of displaying responsible online behavior while using various social media platforms
	32. Create an e-mail id and follow e- mail etiquette to exchange e -mails
	33. Show how to create documents, spreadsheets and presentations using appropriate applications

<b>10. Entrepreneurship</b>	34. Describe the types of entrepreneurship and enterprises
	35. Discuss the process of identifying opportunities for potential business and relevant regulatory and statutory requirements
	36. Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement
	37. Create a sample business plan, for the selected business opportunity
	38. Discuss various sources of funding and identify associated financial and legal risks with its mitigation plan
<b>11. Customer Service</b>	39. Describe different types of customers
	40. Role play a situation on how to identify customer needs and respond to them in a professional manner
	41. Explain various tools used to collect customer feedback
<b>12. Getting ready for apprenticeship &amp; Jobs</b>	42. Draft a professional Curriculum Vitae (CV)
	43. Use various offline and online job search sources such as employment exchanges, recruitment agencies, and job portals respectively
	44. Demonstrate how to apply to identified job openings using offline /online methods as per requirement
	45. Discuss the significance of maintaining hygiene and dressing appropriately
	46. Discuss how to prepare for an interview
	47. Role play a mock interview
	48. List the steps for searching and registering for apprenticeship opportunities

**SECTION 2**  
**25. EVIDENCE OF LEVEL**

**OPTION A**

Title/Name of qualification/component: Computer Aided Embroidery & Designing			Level: 3
NSQF Domain	Outcomes of the Qualification/Component	How the outcomes relates to the NSQF level descriptors	NSQF Level
Process	<p>Person may perform a job which may require limited range of activities routine and Predictable.</p> <ul style="list-style-type: none"> <li>• Prepare and maintain work area and maintain health and safety at the work place.</li> <li>• Prepare sample basic hand stitches (Temporary &amp; permanent stitch).</li> <li>• Embroidery Design the following with suitable fabric design using coral draw software. (Indian Dresses, Western Dresses)</li> </ul>	<p>In learning outcomes for example 'Prepare and maintain work area and maintain health and safety at the work place', 'Prepare sample basic hand stitches (Temporary &amp; permanent stitch)' and 'Embroidery Design the following with suitable fabric design using coral draw software', the learner will be required to choose appropriate tools, equipments, procedures as per the requirement of the job. The work will however be done within a predictable and routine range of situations.</p> <p>Thus the learner requires to demonstrate limited range of activities routine and Predictable.</p> <p>Hence NSQF Level is 3 for this descriptor.</p>	3
Professional knowledge	<p>Basic facts, process and principle applied in trade</p> <ul style="list-style-type: none"> <li>• Knowledge of Hand Embroidery &amp; Stitches.</li> </ul>	<p>The learner is expected to possess knowledge about basic temporary/ permanent hand stitching, different types of embroidery and computerized embroidery, importance of computerized</p>	3

Title/Name of qualification/component: Computer Aided Embroidery & Designing			Level: 3
NSQF Domain	Outcomes of the Qualification/Component	How the outcomes relates to the NSQF level descriptors	NSQF Level
	<ul style="list-style-type: none"> <li>• Different types of Embroidery and Computerized embroidery machine.</li> <li>• Types of Needle and their uses and handling.</li> <li>• Maintenance of machines and Safe operating principle.</li> </ul>	<p>embroidery, different types of needle and their uses, its precautions, selection of needle according to fabric etc. He/she is also expected to handle maintenance of machines specialized in embroidery etc.</p> <p>The above knowledge expected to be possessed by the learner are the factual knowledge of this field of work or study.</p> <p>Hence NSQF Level is 3 for this descriptor.</p>	
Professional skill	<ul style="list-style-type: none"> <li>• Set up the machine and machine accessories as per requirement.</li> <li>• Identify, select and troubleshoot the machine with proper maintenance procedure.</li> <li>• Develop the skill to make computerizes design with the application of software.</li> </ul>	<p>In learning outcomes such as 'Set up the machine and machine accessories as per requirement' and 'Develop the skill to make computerizes design with the application of software', the learner is expected to recall and demonstrate practical skills and make use of appropriate rules and tools in order to perform the assigned tasks. The nature of work performed by the learner is repetitive in narrow range of application and routine type.</p> <p>Hence NSQF Level is 3 for this descriptor.</p>	3
Core skill	Language to communicate written or oral, with required clarity	The learning outcomes for example 'Interpret & use formal and technical communication' and 'Explain personnel finance, entrepreneurship and	3

Title/Name of qualification/component: Computer Aided Embroidery & Designing			Level: 3
NSQF Domain	Outcomes of the Qualification/Component	How the outcomes relates to the NSQF level descriptors	NSQF Level
	<ul style="list-style-type: none"> <li>● use English as a medium of formal and informal communication while dealing with topics of everyday conversation in different contexts</li> <li>● speak over the phone in English, in an audible manner, using appropriate greetings, opening, and closing statements both on personal and work front</li> <li>● read and understand routine information, instructions, emails, letters etc. written in English</li> <li>● write short messages, notes, letters, e-mails etc., using accurate English</li> </ul> <p>Basic understanding of social and natural environment</p> <ul style="list-style-type: none"> <li>● recognize the significance of following constitutional values, including civic rights and duties, for personal growth and the nation's progress</li> <li>● follow personal values and ethics such as honesty, integrity, respecting others, responsibility towards society etc.</li> </ul>	<p>manage/organize related task in day to day work for personal &amp; societal growth.' are the learning outcomes where the learner requires to display competence in written language with required clarity, skill of basic arithmetic &amp; algebraic principles in order to understand the work enlisted in the job card/service card and use the measuring &amp; marking tools. The learner will also need to communicate with team supervisor to understand the job and explain ones work.</p> <p>The learner is also expected to possess basic understanding of social political and natural environment as mentioned in the learning outcome for example 'Explain energy conservation, global warming and pollution and contribute in day to day work by optimally using available resources'.</p> <p>Hence NSQF Level is 3 for this descriptor.</p>	

Title/Name of qualification/component: Computer Aided Embroidery & Designing			Level: 3
NSQF Domain	Outcomes of the Qualification/Component	How the outcomes relates to the NSQF level descriptors	NSQF Level
	<ul style="list-style-type: none"> <li>follow and promote environmentally sustainable practices</li> </ul>		
Responsibility	<p>Under close supervision Some Responsibility for own work within defined limit.</p> <ul style="list-style-type: none"> <li>Setup computerized embroidery machine for transferring the image.</li> <li>Run the computerized embroidery machine for all the digitizing process.</li> <li>Prepare T-shirt used monogramming &amp; logo design</li> </ul>	<p>The role of the learner is to perform the work as per specifications and apply their own analysis of what needs to be done based on their understanding of computerized embroidery, hand embroidery, logo designing, monogramming, application of the digitizing designs etc.</p> <p>Here the learner is responsible for his own quality work and learning to ensure the conformance of given job requirements.</p> <p>Hence NSQF Level is 3 for this descriptor.</p>	3

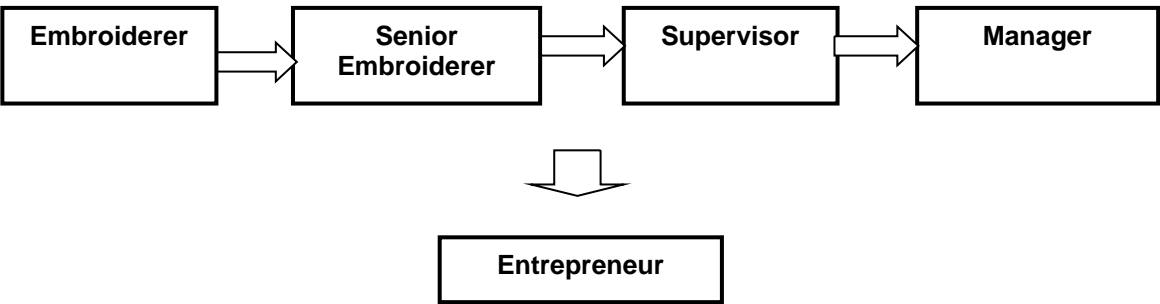
**SECTION 3**  
**EVIDENCE OF NEED**

26	<p><b>What evidence is there that the qualification is needed? What is the estimated uptake of this qualification and what is the basis of this estimate?</b></p> <table border="1" data-bbox="339 483 1390 1509"> <thead> <tr> <th data-bbox="339 483 628 624">Basis</th> <th data-bbox="628 483 1390 624">In case of other Awarding Bodies (Institutes under Central Ministries and states departments)</th> </tr> </thead> <tbody> <tr> <td data-bbox="339 624 628 958">Need of the qualification</td> <td data-bbox="628 624 1390 958">Apparel Sector has a significant presence of organized as well as unorganized skilled manpower requirement. This sector is poised to grow exponentially in the years to come and is highly labor intensive and there are many emerging trends in this sector. Hence the qualification has been designed keeping in view to cater to the ever-increasing demand of skilled manpower in consultation with stakeholders.</td> </tr> <tr> <td data-bbox="339 958 628 1328">Industry Relevance</td> <td data-bbox="628 958 1390 1328">The job role defined for the qualification is as per the National Classification of Occupations 2015 which is developed by Employment Directorate under the ministry of Labour and Employment in collaboration with different industry partners and as per ILO guidelines. Moreover, the training is imparted in ITIs/NSTIs/MSTIs/BTC/ BTPs/ Industries / Establishments etc. where such requirement is available. This justifies the qualification is very much relevant for industry.</td> </tr> <tr> <td data-bbox="339 1328 628 1438">Usage of the qualification</td> <td data-bbox="628 1328 1390 1438">The Proposed qualification will create skilled craftsman for various establishments in different Sectors.</td> </tr> <tr> <td data-bbox="339 1438 628 1509">Estimated uptake</td> <td data-bbox="628 1438 1390 1509">The present seating capacity is 1407.</td> </tr> </tbody> </table>	Basis	In case of other Awarding Bodies (Institutes under Central Ministries and states departments)	Need of the qualification	Apparel Sector has a significant presence of organized as well as unorganized skilled manpower requirement. This sector is poised to grow exponentially in the years to come and is highly labor intensive and there are many emerging trends in this sector. Hence the qualification has been designed keeping in view to cater to the ever-increasing demand of skilled manpower in consultation with stakeholders.	Industry Relevance	The job role defined for the qualification is as per the National Classification of Occupations 2015 which is developed by Employment Directorate under the ministry of Labour and Employment in collaboration with different industry partners and as per ILO guidelines. Moreover, the training is imparted in ITIs/NSTIs/MSTIs/BTC/ BTPs/ Industries / Establishments etc. where such requirement is available. This justifies the qualification is very much relevant for industry.	Usage of the qualification	The Proposed qualification will create skilled craftsman for various establishments in different Sectors.	Estimated uptake	The present seating capacity is 1407.
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27	<p><b>Recommendation from the concerned Line Ministry of the Government/Regulatory Body. To be supported by documentary evidences.</b></p> <p>The qualification originally designed for Craftsman Training Scheme is in existence for many years and approved by DGT (Regulatory Body) under Ministry of Skill Development and Entrepreneurship, Govt. of India.</p>										
28	<p><b>What steps were taken to ensure that the qualification(s) does (do) not duplicate already existing or planned qualifications in the NSQF? Give justification for presenting a duplicate qualification</b></p>										



	<p>The qualification is originally designed and approved by DGT for the Craftsman Training Scheme and is in existence for many years. No such duplicate qualification of same duration and competencies exists.</p>
<p><b>29</b></p>	<p><b>What arrangements are in place to monitor and review the qualification(s)? What data will be used and at what point will the qualification(s) be revised or updated? Specify the review process here</b></p> <ul style="list-style-type: none"> <li>• The research wing of CSTARI &amp; DGT reviews and updates the qualification, in consultation with industries and other stakeholders, on a regular basis by conducting trade committee meetings.</li> <li>• DGT will monitor any duplicity by comparing existing qualifications with upcoming ones in the National Qualifications Register (NQR) and relevant sectors.</li> </ul>

**SECTION 4**  
**EVIDENCE OF PROGRESSION**

<p><b>30</b></p>	<p><b>What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector? Show the career map here to reflect the clear progression</b></p> <p>On completion of the training the trainee will have an opportunity to move in vertical/horizontal pathways to promote to higher designations. The learner can further undergo other specialised courses to excel in the relevant field.</p>  <pre> graph LR     A[Embroiderer] --&gt; B[Senior Embroiderer]     B --&gt; C[Supervisor]     C --&gt; D[Manager]     B --&gt; E[Entrepreneur]             </pre>
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