

Model Curriculum

Kalamkari Artisan

SECTOR : TEXTILE
SUB-SECTOR : HANDLOOM & KHADI
OCCUPATION : DESIGNER
REF ID : TSC/Q7402, V 3.0
NSQF LEVEL 2



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

TEXTILE SECTOR SKILL COUNCIL

for the

MODEL CURRICULUM

Complying to National Occupational Standards of

Job Role/ Qualification Pack: 'KALAMKARI ARTISAN' QP No. 'TSC/Q7402' **NSQF Level 2**'

Date of Issuance:

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Valid up to:

! S 0 8 ' ' 0 0

* Valid up to the next review date of the Qualification Pack



(Dr. Swapna Mishra)

Director (C&T)

(Textile Sector Skill Council)

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Kalamkari Artisan

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Kalamkari Artisan”, in the “Textile” Sector/Industry and aims at building the following key competencies amongst the learner.

Program Name	Kalamkari Artisan		
Qualification Pack Name & Reference ID.	Kalamkari Artisan TSC/Q7402, Version 3.0		
Version No.	3.0	Version Update Date	31.03.2022
Pre-requisites to Training	Ability to read and write		
Training Outcomes	After completing this programme, participants will be able to: <ul style="list-style-type: none"> • Design and create a kalamkari painting • Maintain work area and tools in handloom sector • Working in a team in handloom sector • Maintain health, safety and security at work place in handloom sector • Comply with work place requirements in handloom sector 		

This course encompasses 5 out of 5 National Occupational Standards (NOS) of “Kalamkari Artisan” Qualification Pack issued by “TSC: Textile Sector Skill Council”

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1.	<p>Design and create a Kalamkari painting</p> <p>Theory Duration (hh:mm) 60:00</p> <p>Practical Duration (hh:mm) 150:00</p> <p>Corresponding NOS Code TSC/N7402</p>	<ul style="list-style-type: none"> Identify different types of Kalamkari paintings Select fabric as per different parameters for Kalamkari paintings Carry out different processes for de-starching the fabric using water Prepare a solution of buffalo/cow milk, water and astringents to stiffen the fabric before painting Soak the fabric overnight in the prepared astringent-milk solution to set the tone of the fabric at different levels of Kalamkari painting Dry treated fabric under the sun to fix the dye/color of the Kalamkari painting after each level of dyeing Prepare designing pen/design block and painting brush with different materials and specifications for Kalamkari paintings Prepare black dye by mixing fermented jaggery with iron fillings or iron acetate solution for designing Create different types of Kalamkari designs as per the market trend for different Kalamkari products Apply mordant and keep for a certain time to fix the natural dye on the material after each level of dyeing Wash the excess mordant on the fabric under flowing water and dry it under sun at different levels of Kalamkari paintings Bleach the fabric for overnight in cow/sheep dung solution and wash under flowing water Soak the fabric in buffalo milk to avoid smudging of dyes Identify and prepare different types of earthy colours/dyes for Kalamkari paintings from various 	<p><u>1. common for every batch:</u> poster/video visuals for work method</p> <p>Kalams – 4 Fabric - 25 meters Relevant Dyes, Chemicals & Accessories</p> <p><u>Classroom requirements:</u> a batch of 25 people seating capacity with a screen and projector</p>

		<p>natural sources</p> <ul style="list-style-type: none"> • Prepare or collect Kalamkari colours from the market • Wash the fabric with normal water and soak in alum water after application of every color/dye for fixation • Dry the fabric and market/supply it for sale 	
2	<p>Maintain work area, tools and machines</p> <p>Theory Duration (hh:mm) 05:00</p> <p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code TSC/N9005</p>	<ul style="list-style-type: none"> • Handle materials, machinery, equipment and tools with care and use them in the correct way • Use correct lifting and handling procedures • Use materials to minimize waste • Maintain a clean and hazard free working area • Maintain tools and equipment • Carry out running maintenance within agreed schedules • Carry out maintenance and/or cleaning within one's responsibility • Report unsafe equipment and other dangerous occurrences • Ensure that the correct machine guards are in place work in a comfortable position with the correct posture • Use cleaning equipment and methods appropriate for the work to be carried out 	<p>1. common for every batch: poster/video visuals for work method</p> <p><u>2. Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector</p>
3	<p>Working in a team in handloom sector</p> <p>Theory Duration (hh:mm) 05:00</p> <p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code TSC/N9006</p>	<ul style="list-style-type: none"> • Perform all roles with full responsibility • Report all problems faced during the process • Talk politely with other team members and colleagues • Submit daily report of own performance • Adjust in different work situations • Give due importance to others' point of view • Avoid conflicting situations 	<p>Computer with Internet access</p>

4	<p>Maintain health, safety and security at work place</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 30:00</p> <p>Corresponding NOS Code TSC/N 9007</p>	<ul style="list-style-type: none"> • Comply with health and safety related instructions applicable to the workplace • Use and maintain personal protective equipment such as “ear plug”, “ nose mask “ , “ head cap” etc., as per protocol • Carry out own activities in line with approved guidelines and procedures • Maintain a healthy lifestyle and guard against dependency on intoxicants • Follow environment management system related procedures • Identify and correct (if possible) malfunctions in machinery and equipment • Report any service malfunctions that cannot be rectifiedm 	
5	<p>Comply with industry and organizational requirements</p> <p>Theory Duration (hh:mm) 05:00</p> <p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code TSC/N9008</p>	<ul style="list-style-type: none"> • Comprehend the organisational standards • Undertake initiative and innovate the existing methods • Comprehend the industry standards • Align industry standards with organisational standards • Focus on self-learning and improvement • Demonstrate accountability towards the job role and assigned duties 	Computer with access to Internet

6	<p>Employability Skills (30 Hours)</p> <p>Theory Duration (hh:mm) 12:00</p> <p>Practical Duration (hh:mm) 18:00</p>	<ul style="list-style-type: none"> • Discuss the importance of Employability Skills in meeting the job requirements. • Explain constitutional values, civic rights, duties, citizenship, responsibility towards society etc. that are required to be followed to become a responsible citizen. • Show how to practice different environmentally sustainable practices • Discuss 21st century skills. • Display positive attitude, self-motivation, problem solving, time management skills and continuous learning mindset in different situations. • Use appropriate basic English sentences/phrases while speaking • Demonstrate how to communicate in a well-mannered way with others. • Demonstrate working with others in a team • Show how to conduct oneself appropriately with all genders and PwD • Discuss the significance of reporting sexual harassment issues in time • Discuss the significance of using financial products and services safely and securely. • Explain the importance of managing expenses, income, and savings. • Explain the significance of approaching the concerned authorities in time for any exploitation as per legal rights and laws • Show how to operate digital devices and use the associated applications and features, safely and securely • Discuss the significance of using internet for browsing, accessing social media platforms, safely and securely. • Discuss the need for identifying opportunities for potential business, sources for arranging money and potential legal and financial challenges. • Differentiate between types of customers • Explain the significance of identifying customer needs and addressing them • Discuss the significance of maintaining hygiene and dressing appropriately. • Create a biodata • Use various sources to search and apply for jobs • Discuss the significance of dressing up neatly and maintaining hygiene for an interview • Discuss how to search and register for apprenticeship opportunities. 	<p>Class room requirements: 25 people seating capacity with a screen and projector</p>
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Total Duration: (hh:mm) 330:00	Unique Equipment Required: Kalam, Fabric – 25 meters, Relevant dyes, Chemicals and accessories
Theory Duration (hh:mm) 102:00	
Practical Duration (hh:mm) 228:00	

Grand Total Course Duration: 330 Hours, 0 Minutes

(This syllabus/ curriculum has been approved by TSC: Textile Sector Skill CounTrainer

Prerequisites for Job role: “Kalamkari Artisan” mapped to Qualification Pack: “Kalamkari Artisan/ TSC/Q7402, Version 3.0”

Sr. No.	Area	Details
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “Kalamkari Artisan / TSC/Q7402, Version 3.0”.
2	Personal Attributes	Aptitude for conducting training, and pre / post work to ensure competent, employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well-organized and focused, eager to learn and keep oneself updated with the latest in the mentioned field.
3	Minimum Educational Qualifications	Basic Literacy and Numeracy
4a	Domain Certification	Certified for Job Role: Kalamkari Artisan” mapped to QP: “Kalamkari Artisan/ TSC/Q7402, Version 3.0 Minimum accepted score 80%.
4b	Platform Certification	Required that the Trainer is certified for MEP/Q2601 Job Role: “Trainer” with at least 80% score
5	Experience	Minimum 6 years of experience as a Kalamkari Artisan

Employability Trainer Prerequisites

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training 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 ITI Trainers	Employability Skills Training (3 days full-time course done between 2019-2022)					
Certified current EEE trainers (155 hours)	from Management SSC (MEPSC)					
Certified Trainer	Qualification Pack: Trainer (MEP/Q0102)					

Annexure: Assessment Criteria

Assessment Criteria	
Job Role	Kalamkari Artisan
Qualification Pack	Kalamkari Artisan/ TSC/Q7402
Sector Skill Council	Textile Sector Skill Council

Sr. No.	Guidelines for Assessment
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.
4	Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
5	Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criterion.
6	To pass the Qualification Pack, every trainee should score a minimum of 50% in aggregate marks to successfully clear the assessment
7	In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Total Marks : 450		Compulsory NOS		Marks Allocation	
Assessable Outcomes	Assessment Criteria	Total Marks	Out of	Theroy	Skills Practical
1.TSC/N7402 Design and create a kalamkari painting	PC1. identify the different types of kalamkari paintings	200	20	8	12
	PC2. select fabric as per different parameters for kalamkari paintings		20	8	12
	PC3. carry out different processes for de-starching the fabric using water		20	8	12
	PC4. prepare a solution of buffalo/cow milk, water and astringents to stiffen the fabric before painting		10	4	6
	PC5. soak the fabric overnight in the prepared astringent-milk solution to set the tone of the fabric at different levels of kalamkari painting		10	4	6
	PC6. dry treated fabric under the sun to fix the dye/color of the kalamkari painting after each level of dyeing		10	4	6
	PC7. prepare designing pen/design block and painting brush with different materials and specifications for kalamkari paintings		10	4	6
	PC8. prepare black dye by mixing fermented jaggery with iron fillings or iron acetate solution for designing		10	4	6
	PC9. create different types of kalamkari designs as per the market trend for different kalamkari products		10	4	6
	PC10. apply mordant and keep for a certain time to fix the natural dye on the material after each level of dyeing		10	4	6
	PC11. wash the excess mordant on the fabric under flowing water and dry it under sun at different levels of kalamkari paintings		10	4	6

	PC11. wash the excess mordant on the fabric under flowing water and dry it under sun at different levels of kalamkari paintings		10	4	6
	PC12. bleach the fabric for overnight in cow/sheep dung solution and wash under flowing water		10	4	6
	PC13. soak the fabric in buffalo milk to avoid smudging of dyes		10	4	6
	PC14. identify and prepare different types of earthy colours/dyes for kalamkari paintings from various natural sources		10	4	6
	PC15. prepare or collect kalamkaricolours from the market		10	4	6
	PC16. wash the fabric with normal water and soak in alum water after application of every color/dye for fixation		10	4	6
	PC17. dry the fabric and market/supply it for sale		10	4	6
	Total		200	80	120
2. TSC/N9005 Maintain work area and tools in handloom sector	PC1. handle materials and tools safely and correctly	50	5	2	3
	PC2. use correct lifting and handling procedures		3	1	2
	PC3. use materials in a manner to minimize waste		3	1	2
	PC4. maintain a clean and hazard free working area		3	1	2
	PC5. maintain the tools and equipment used for winding		5	2	3
	PC6. carry out maintenance and/or cleaning within one's responsibility		5	2	3
	PC7. identify damaged tools and materials and take action according to the standards followed		5	2	3
	PC8. ensure that the correct tools and yarn required are in place		3	1	2
	PC9. work in the correct posture		3	1	2
	PC10. use cleaning equipment and methods appropriate for the work to be carried out		3	1	2
	PC11. dispose of waste safely in the designated location		4	2	2
	PC12. store cleaning equipment safely after use		3	1	2
	PC13. carry out cleaning according to schedule and limits of responsibility		5	2	3
	Total		50	19	31
4.TSC/N9006 Working in a team in handloom sector	PC1. be accountable to the own role in whole process	55	4	2	2
	PC2. perform all roles with full responsibility		4	2	2
	PC3. be effective and efficient at workplace		4	1	3

	PC4. properly communicate about company policies		4	2	4
	PC5. report all problems faced during the process		4	1	3
	PC6. talk politely with other team members and colleagues		4	1	2
	PC7. submit daily report of own performance		5	3	4
	PC8. adjust in different work situations		4	2	3
	PC9. give due importance to others' point of view		4	2	2
	PC10. avoid conflicting situations		4	2	2
	PC11. develop new ideas for work procedures		5	1	4
	PC12. improve upon the existing techniques to increase process efficiency		4	1	5
		Total	50	20	30
5.TSC/N9007 Maintain health, safety and security at work place in handloom sector	PC1. comply with health and safety related instructions applicable to the workplace	100	6	2	4
	PC2. use and maintain personal protective equipment as per protocol		6	2	4
	PC3. carry out own activities in line with approved guidelines and procedures		4	1	3
	PC4. maintain a healthy lifestyle and guard against dependency on intoxicants		4	1	3
	PC5. follow environment management system related procedures		4	1	3
	PC6. store materials and tools in line with manufacturer's and Cooperative Society/NGO/SHG requirements		4	2	2
	PC7. safely handle and move waste and debris		4	2	2
	PC8. minimize health and safety risks to self and others due to own actions		6	2	4
	PC9. monitor the work place and work processes for potential risks and threats		6	2	4
	PC10. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		6	2	4
	PC11. participate in mock drills/ evacuation procedures organized at the workplace		4	2	2
	PC12. undertake first aid, fire-fighting and emergency response training, if asked to do so		6	2	4
	PC13. take action based on instructions in the event of fire, emergencies or accidents		6	2	4
	PC14. follow Cooperative Society/NGO/SHG procedures for evacuation when required		4	1	3
	PC15. identify different kinds of possible hazards (environmental, personal, ergonomic and chemical) of the industry		4	1	3

	PC16. recognize other possible security issues existing in the workplace		4	1	3
	PC17. plan the safety techniques		5	2	3
	PC18. recognize different measures to curb the hazards		4	1	3
	PC19. implement the programs		5	2	3
	PC20. communicate the safety plans to everyone		4	1	3
	PC21. attach disciplinary rules with the implementation		4	1	3
		Total	100	33	67
5. TSC/N9008 Comply with industry and organizational requirements	PC1. be accountable to ones own role in the whole process	50	6	2	4
	PC2. perform all roles with full responsibilities		5	1	4
	PC3. be effective and efficient at workplace		4	2	2
	PC4. properly communicate about workplace policies		5	2	3
	PC5. talk politely with other team members and colleagues		5	2	3
	PC6. submit daily report of own performance		6	2	4
	PC7. adjust in different work situations		5	2	3
	PC8. give due importance to others point of view		5	2	3
	PC9. avoid conflicting situations		5	2	3
	PC10. improve upon the existing techniques to increase process efficiency		4	2	2
		Total	50	19	31
	Total		450	38%	62%

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation	
				Theory Marks	Practical Marks
6. DGT/VSQ/N0101 – Employability Skills	Introduction to Employability Skills			1	1
	1. understand the significance of employability skills in meeting the job requirements				
	Constitutional values – Citizenship			1	1
	2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices.				
	Becoming a Professional in the 21st Century			1	3
	3. explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.				
	Basic English Skills			2	3
	4. speak with others using some basic English phrases or sentences				
	Communication Skills			1	1
	5. follow good manners while communicating with others				
	6. work with others in a team				
	Diversity & Inclusion			1	1
	7. communicate and behave appropriately with all genders and PwD				
	8. report any issues related to sexual harassment				
	Financial and Legal Literacy			3	4
	9. use various financial products and services safely and securely				
	10. calculate income, expenses, savings etc.				
	11. approach the concerned authorities for any exploitation as per legal rights and laws				

	Essential Digital Skills			4	6
	12. operate digital devices and use its features and applications securely and safely				
	13. use internet and social media platforms securely and safely				
	Entrepreneurship			3	5
	14. identify and assess opportunities for potential business				
	15. identify sources for arranging money and associated financial and legal challenges				
	Customer Service			2	2
	16. identify different types of customers				
	17. identify customer needs and address them appropriately.				
	18. follow appropriate hygiene and grooming standards.				
	Getting ready for apprenticeship & Jobs			1	3
	19. create a basic biodata				
	20. search for suitable jobs and apply				
	21. identify and register apprenticeship opportunities as per requirement				
	NOS Total		50	20	30
	Grand Total		500	191	309



Textile Sector Skill Council

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