CURRICULUM FOR

THE TRADE OF

QUALITY CONTROL INSPECTOR (GOODS and GARMENTS)

UNDER

APPRENTICESHIP TRAINING SCHEME (ATS)







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ACKNOWLEDGEMENT

The LSSC is grateful to all of those with whom it has had the pleasure to work during this project. Each of the members related to this project has provided extensive personal and professional guidance. LSSC sincerely expresses appreciation for the contribution of the Industry, Trade Experts and all others who contributed in building the curriculum.

Special acknowledgement by LSSC to the following expert members who have contributed immensely in this curriculum.

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3.	Mr. Murali	Central Footwear Training Institute	Director
4.	Dr. Anitha Manohar	National Institute of Fashion Technology	Director

BACKGROUND

Apprenticeship Training Scheme under Apprentice Act 1961

The Apprentices Act enacted in 1961 with the objective of regulating the program of training of apprentices in the industry by utilizing the facilities available therein for imparting on-the-job training. The Act makes it obligatory for employers in specified industries to engage apprentices in designated trades and in optional trades to impart Apprenticeship Training on the job in industry to school leavers, graduates/ diploma and person having National Trade Certificate (ITI pass-outs) issued by National Council for Vocational Training (NCVT) to develop skilled manpower for the industry. There are five categories of apprentices namely; trade apprentice, graduate, technician, technician (vocational) apprentices and optional trade apprentice.

Qualifications and period of apprenticeship training of trade apprentices and optional trade apprentices vary from trade to trade. The apprenticeship training for trade apprentices and optional trade apprentices consists of basic training followed by practical training. At the end of the training, the apprentices are required to appear in a trade test conducted by NCVT and those successful in the trade tests are awarded the National Apprenticeship Certificate.

Changes in Industrial Scenario

Recently we have seen huge changes in the Indian industry. The Indian Industry registered an impressive growth during the last decade and half. The number of industries in India have increased manifold in the last fifteen years especially in services and manufacturing sectors. It has been realized that India would become a prosperous and a modern state by raising skill levels, including by engaging a larger proportion of apprentices, will be critical to success; as will stronger collaboration between industry and the trainees to ensure the supply of skilled workforce and drive development through employment. Various initiatives to build up an adequate infrastructure for rapid industrialization and improve the industrial scenario in India have been taken.

Reformation

The Apprentices Act, 1961 has been amended and brought into effect from 22nd December 2014 to make it more responsive to industry and youth. Key amendments are as given below:

- Prescription of number of apprentices to be engaged at establishment level instead of trade-wise.
- Establishment can also engage apprentices in optional trades which are not designated, with the discretion of entry level qualification and syllabus.
- Scope has been extended also to non-engineering occupations.
- Establishments have been permitted to outsource basic training in an institute of their choice.
- The burden of compliance on industry has been reduced significantly.

RATIONALE

Need for Apprenticeship in trade for Cutting (G&G)

Need for executives with sound knowledge to ensure quality at all stages of goods and garments manufacturing, leading to overall quality of products, is not effectively met with any of the current training interventions. It is realized that any executive getting into quality role should have direct exposure to at least one of the goods and garments manufacturing department, so that he will be able to acquire the knowledge and skills required for this job role. Once the candidates become proficient in one of the goods and garments manufacturing departments, they can acquire knowledge and skills pertaining to the role identified as part of career progression. Hence, the combination of Cutter – Goods and Garments (PMKVY role) and Quality Control Inspector – Goods and Garments is taken up to ensure supply of job ready quality control inspectors to the industry.

JOB ROLE: Description

PMKVY Role

A Cutter (Goods and Garments) works, mainly, with machine and hand tools to cut the pieces from leather sheets as per the design specification and sample. A cutter lays out, marks, and cuts leather or non-leather material into parts for articles using cutting dies/ Hand knifes. The critical component of the role is to position leather/ non-leather for cutting to ensure good number and quality of cut pieces.

In addition to the above, Cutter (G&G) possess good hand-eye coordination and judgment in positioning and cutting. Also, should have basic estimation and numerical skills along with ability to choose the correct leather/ non-leather parts for different components.

Role identified as per career progression

Quality Control inspector (Goods and Garments) inspects, monitors and ensures that all the products manufactured comply with the customer and organizational standards.

In addition to the above, a Quality Control inspector (G&G) needs to be able to manage a team and effectively utilize them for maintaining quality standards and targets. He needs to be observant, alert and have an attention for detail. Good team management and effective communication skills are helpful.

GENERAL INFORMATION

1. Name of the Trade : QUALITY CONTROL INSPECTOR (G&G)

2. Duration of Apprenticeship Training : 200Hrs+40Hrs=240 Hrs &

(Basic Training & Practical Training) 1440 Hrs

3. Duration of Basic Training : Block-I: 200 Hrs + 40 Hrs Employability &

Entrepreneurship

Total duration of Basic Training : 240 Hrs (Additionally, 20 Hrs Digital

Literacy inputs given in online mode)

4. Duration of Practical Training : Block–II: 1440 HRS, i.e. 36 weeks or 9

(On-job Training) months

5. Entry Qualification : Passed 10th class

6. Selection of Apprentices : The apprentices will be selected as per

Apprenticeship Act amended time to time

7. Rebate for ITI passed trainees : N.A.

Note: Industry may impart training as per above time schedule, however this is not fixed. The industry may adjust the duration of training considering the fact that all the components under the syllabus must be covered. However, the flexibility should be given keeping in view that no safety aspect is compromised and duration of industry training to be remain as 1 year

COURSE STRUCTURE

Training duration details: -

Time (in hours) Recommended Duration	240 hours	1440 hours
		36 weeks (9 months)
Basic Training	Block- I	
Practical Training (On-job training)		Block- II

Components of Training	Months											
•	1	2	3	4	5	6	7	8	9	10	11	12
Basic Training Block- I												
Practical Training Block- II												

CURRICULUM

BASIC TRAINING

(BLOCK - I)

DURATION: 200 hrs+40 hrs (Employability and Entrepreneurship Training) = 240 hrs (Additionally,

20 Hrs Digital Literacy inputs given in online mode)

Total duration of Basic Training: 240 Hrs

GENERAL INFORMATION

1. Name of Trade : Cutter (Goods and Garments)

2.**Hours of Instruction** : 200 Hrs+40 Hrs=240 Hrs.

3.Batchsize : 30

4.Power Norms : 6 KW for Workshop

4.**Space Norms** : 10 (x20=200sq) feet

5. Examination : The internal assessment will be

held on the completion of Block-I.

6.InstructorQualification :

Trainer pre-requisites for job role: Cutter (G&G)

Sr.	Area	Details
No.		
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack "LSS/Q5301, Version 1.0".
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-organised and focused, eager to learn and keep oneself updated with the latest in the mentioned field.
3	Minimum Educational Qualifications	10 th with 18 months certificate course in Goods and Garments (any) and above
4a	Domain Certification	Certified for Job Role: "Cutter (G&G)", mapped to QP: "LSS/Q5301, Version 1.0". Minimum accepted score as per SSC guidelines is 80% on the SSC prescribed online theory assessment test based on an industry validated question bank.
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: "Trainer", mapped to the Qualification Pack: "SSC/1402". Minimum accepted score for the trainer is 80% as per SSC guidelines.
5	Experience	Minimum 6 years site experience with Cutter (G&G) Level-4 qualified.

Basic Training: Cutter (G&G) – LSS/Q5301

MODEL CURRICULUM

This program is aimed at training candidates for the job of a "<u>Cutter (Goods and Garments)</u>", in the "<u>Leather</u>" Sector/Industry and aims at building the following key competencies amongst the learner.

Program Name	Cutter				
Qualification Pack Name & Reference ID	Cutter (Goods and Garm LSS/Q5301, Version 1.0	ents)			
Version No.	1.0	Version Update Date	16–6 – 2016		
Pre-requisites to Training	Class V				
Training Outcomes	Class V After completing this programme, participants will be able to: Gain knowledge on overview of leather industry and generic skills: General instructions to importance of leather industry, general hazards in leather industry, basic health safety and hygiene precautions, generic skills to be followed in leather industry. Identify and use basic tools, equipment & materials: Effectively identify, select & use the specified tools and equipment relevant to cutting works. Learn and perform cutting operation: Selection of tools and material, set up of machine effective utilization of leather piece and standard procedure for leather cutting to produce leather goods and garments. Contribute to achieve quality product in cutting process: Ensure cutting parts produced according to specification sample, ensure maximum usage of cut components with minimal wastages, carry out regular quality checks and fault identification in final product and maintain records and documents. Handle work area, tools and machines appropriately: Ensure correct handling of material, tools and machines, maintain clean and hazard free work area, proper usage of cleaning equipment, maintain correct usage of workplace tools and equipment. Become well versed with environment, health, safety& security at work: Well versed with health and safety measures in terms of personal safety and equipment safety relevant to cutting occupation. Follow industrial regularity and organizational requirements: Carry out work in accordance with organizational guidelines and procedures,				

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	Introduction to Trade and Opportunities Theory Duration (hh:mm) 12:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code Core skills/ Generic skills and Professional skills collated from all the NOS of the QP	 Explain the importance of leather industry and describe leather manufacturing process Explain general hazards or risk that can lead to accidents Follow basic safety, health and hygiene measures Wear and use PPE for safety Carry out communication effectively with coworkers in writing as well as orally Read the documents that are necessary for them to read to carry out operator's task 	Chairs, Trainers desk and computer, Student table, Projector, White projector screen, White board, Flip chart display stand, Safety Hazard signs, Newspaper, Stationery, PPE set
2	Carry-out Cutting Operations Using Hand Theory Duration (hh:mm) 02:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5301	 Identify tools and quality of materials required for hand cutting Calculate the number of components needed for production Select the tools and materials for the work Make sure that tools are safe and clean to use on the material Check the quality and characteristics of the material match the required standards before starting to cut Use scissors or cutting knife to cut the leather piece as per the markings given on the components Work in conformance to legal requirements, organizational policies and procedures 	Leather, Scissors, Measuring tape, Steel rule, Hand clicking knife, Hammer, Compass, White pencil
3	Carry-out Cutting Operations Using Clicking Machine Theory Duration (hh:mm) 02:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5302	 Calculate the number of components needed for production Select the tools and materials for the work Set up the clicking machine Check the quality and characteristics of the material match the required standard before starting to cut as per specification/sample. Make sure that tools are safe and clean to use on the material Utilize leather piece efficiently to get maximum cut pieces with minimum wastage Place cutting dies on the leather piece in an efficient manner to minimize waste Use the clicking machine to cut the material Ensure cut pieces match the number mentioned in the job card Complete forms, records and other documentation Carry out closedown procedures on completion of work 	Clicking machine, Hydraulic clicking press, Punches, Cutting mat, Measuring tape, Leather, Scissors, Stainless steel scale, Oil stone, Cutting dies, White pencil
4	Contribute to Achieving Product Quality in Cutting Processes	 Check the quality of the cut components meets specification during production Cut components to ensure maximum usage 	Sample leather defects material, Leather thickness

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Theory Duration (hh:mm) 02:00 Practical Duration (hh:mm) 30:00 Corresponding NOS Code LSS/N5303	 and minimum wastage Cut different kind of problem faced with respect to quality and also solutions for the problem Carry out quality checks at agreed intervals and in the approved way Identify process problems that effect product quality Maintain the continuity of production with minimum interruptions and downtime Identify faults in finished products and trace their causes Maintain records and documentation 	measuring gauge, Gloves, Helmet, Safety shoe, Ear plug, Apron, Goggles
5	Maintain the Work Area, Tools and Machines Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm) 20:00 Corresponding NOS Code LSS/N8501	 Handle materials, machinery, equipment and tools safely and correctly Maintain a clean and hazards free working area Use cleaning equipment and methods appropriate for the work to be carried out Maintain tools and equipment Maintain proper lighting and ventilation 	Gloves, Helmet, Safety shoe, Ear plug, Apron, Goggles, Cleaning cloth, Water bucket, Cleaning materials, Mop, Dust bin, Broom
6	Maintain Health, Safety and Security at Workplace Theory Duration (hh:mm) 07:00 Practical Duration (hh:mm) 28:00 Corresponding NOS Code LSS/N8601	 Use and maintain personal protective equipment as per protocol Identify and correct malfunctions in machinery and equipment Minimize health and safety risks to self and others due to own actions Monitor the workplace and work processes for potential risks and threats Carry out periodic walk-throughs to keep work area free from hazards and obstructions, if assigned Undertake first aid, fire-fighting and emergency response training, if asked to do so Take action based on instructions in the event of fire, emergencies or accidents Follow organization procedures for shutdown and evacuation when required 	First aid kit, Fire extinguisher, PPE Set
7	Comply with Industry, Regulatory and Organizational Requirements Theory Duration (hh:mm) 01:00 Practical Duration (hh:mm) 02:00 Corresponding NOS Code LSS/N8701	 Carry out work functions in accordance with legislation and regulations, organizational guidelines and procedures Apply and follow policies and procedures within your work practices Provide support to the supervisor and team members in enforcing these considerations Identify and report any possible deviation to ethical requirements 	Sample legal documents

Sr. No.	Module	Key Learning Outcomes Equipment Required			
	Total Duration	Unique Equipment Required:			
		Leather, Scissors, Measuring tape, Steel rule,	Hand clicking knife,		
	Theory Duration	Hammer, Compass, White pencil, Clicking machi	ne, Hydraulic clicking		
	30:00	press, Punches, Cutting mat, Oil stone, Cutting dies, White pencil, leather defects material, Leather thickness measuring gauge,			
	Practical Duration 170:00	Helmet, Safety shoe, Ear plug, Apron, Goggles, bucket, Cleaning materials, Mop, Dust bin, broo Extinguisher, Sample legal documents	Cleaning cloth, Water		

Grand Total Course Duration: 200 Hours, 0 Minutes

(This syllabus/ curriculum has been approved by <u>Leather sector skill council</u>)

ASSESSMENT CRITERIA

Assessment Criteria	
Job Role	Cutter (Goods and Garments)
Qualification Pack	LSS/Q5301, V1.0
Sector Skill Council	Leather

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	Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre (as per assessment criteria below)
4	Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on these criteria
5	To pass the Qualification Pack, every candidate should score a minimum 50% of aggregate marks to successfully clear the assessment
6	In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

Assessable		Total	Out	Marks Allocation	
Outcome	Assessment Criteria	Mark Of		Theory	Skills Practical
1. LSS/N5301:	PC1. Make sure the work area is free		2	0	2
Carry out cutting operations using hand	rom hazards PC2. Obtain and check the data on the work ticket or job card and carry out functions in line with the responsibilities of the job role		6	5	1
	PC3. Ask questions to obtain more information on tasks when the instructions are unclear		10	5	5
	PC4. Calculate the number of components needed for production		3	0	3
	PC5. Select the tools and materials for the work		2	0	2
	PC6. Set up the equipment		3	0	3
	PC7. Make sure that tools are safe and clean to use on the material		1	0	1
	PC8. Check the quality and characteristics of the material match the required standards before starting to cut as per specification/sample		2	0	2
	PC9. Utilise leather piece efficiently to get maximum cut pieces with minimum wastage		1	0	1
	PC10. Ensure no defects on the material		1	0	1
	PC11. Check the stretch-ability and		1	0	1
	tightness of leather as per end product	100	'		
	PC12. Use scissors or cutting knife to cut the leather piece as per the markings given on the components		8	5	3
	PC13. Count the number of cut pieces		1	0	1
	PC14. Ensure cut pieces match the number mentioned in the job card		2	0	2
	PC15. Bundle the cut components and transfer material for quality check		8	5	3
	PC16. Make sure that when cutting the material		2	0	2
	PC17. Avoid any imperfections in the material when cutting		1	0	1
	PC18. Agree and review the agreed upon work targets with the supervisor		1	0	1
	PC19. Minimise wastage while cutting material		2	0	2
	PC20. Meet company usage tolerances for efficient pattern interlocking		2	0	2
	PC21. Check with others when unsure of new product details		1	0	1
	PC22. Produce the required batch of components to match the job card and		8	5	3

Assessable	A	Total	Out	Ma Alloc	
Outcome	Assessment Criteria	Mark	Of	Theory	Skills Practical
	the company's production targets				
	PC23. Dispose of waste materials safely		2	0	2
	and return re-useable materials				
	PC24. Work in conformance to legal			•	
	requirements, organizational policies and		3	0	3
	PC25. Identify and respond to				
	imperfections, defects and damage due		8	5	3
	to mishandling		0	3	5
	PC26. Report defects in the tools and				
	equipment one does not have the		3	0	3
	authority to repair			-	
	PC27. Report risks/ problems likely to				
	affect services to the relevant person		5	0	5
	promptly and accurately				
	PC28. Complete forms, records and		3	0	3
	other documentation				Ŭ
	PC29. Make sure that the cut material is			•	
	correctly sorted to assist the next stage		2	0	2
	of production				
	PC30. carefully placed to minimise the risk of damage		3	0	3
	PC31. Carry out closedown procedures				
	on completion of work		3	0	3
	Total		100	30	70
2. LSS/N5302:	PC1. Make sure the work area is free		1	0	4
Carry out	from hazards		I	U	1
cutting	PC2. Obtain and check the data on the				
operations	work ticket or job card and carry out		3	0	3
using clicking	functions in line with the responsibilities			· ·	
machine	of the job role				
	PC3. Ask questions to obtain more information on tasks when the National		0	5	2
	Occupational instructions are unclear		8	5	3
	PC4. Calculate the number of	1			
	components needed for production		2	0	2
	PC5. Select the tools and materials for				
	the work		3	0	3
	PC6. Set up the equipment and clicking	100	7	5	2
	machine		,		2
	PC7. Make sure that tools are safe and		1	0	1 1
	clean to use on the material		1	0	1
	clean to use on the material PC8. Check the quality and				
	clean to use on the material PC8. Check the quality and characteristics of the material match the		1	0	1
	clean to use on the material PC8. Check the quality and characteristics of the material match the required standards before starting to cut				
	clean to use on the material PC8. Check the quality and characteristics of the material match the required standards before starting to cut PC9. Utilize leather piece efficiently to			0	
	clean to use on the material PC8. Check the quality and characteristics of the material match the required standards before starting to cut PC9. Utilize leather piece efficiently to get maximum cut pieces with minimum		1		1
	clean to use on the material PC8. Check the quality and characteristics of the material match the required standards before starting to cut PC9. Utilize leather piece efficiently to		1	0	1
	clean to use on the material PC8. Check the quality and characteristics of the material match the required standards before starting to cut PC9. Utilize leather piece efficiently to get maximum cut pieces with minimum wastage PC10. Ensure no defects on the material PC11. Check the stretch-ability and		1 1 1	0 0	1 1 1
	clean to use on the material PC8. Check the quality and characteristics of the material match the required standards before starting to cut PC9. Utilize leather piece efficiently to get maximum cut pieces with minimum wastage PC10. Ensure no defects on the material		1	0	1

Assessable	Accession Criticalia	Total	Out	Marks Allocation	
Outcome	Assessment Criteria	Mark	Of	Theory	Skills Practical
	piece in an efficient manner to minimize waste				
	PC13. Use the clicking machine to cut the material		4	0	4
	PC14. Count the number of cut pieces		3	0	3
	PC15. Ensure cut pieces match the number mentioned in the job card		4	0	4
	PC16. Bundle the cut components and transfer material for quality check		4	0	4
	 PC17. Make sure that when cutting the material avoid damaging self and others avoid damage to the knife and other equipment 		3	0	3
	PC18. Avoid any imperfections in the material when cutting		2	0	2
	PC19. Agree and review the agreed upon work targets with the supervisor		1	0	1
	PC20. Update and develop knowledge of the products		1	0	1
	PC21. Minimise wastage while cutting material		1	0	1
	PC22. Meet company usage tolerances for efficient pattern interlocking		9	5	4
	PC23. Check with others when unsure of new product details		1	0	1
	PC24. Produce the required batch of components to match the job card and the company's production targets		8	5	3
	PC25. Dispose of waste materials safely and return re-useable materials		1	0	1
	PC26. Work in conformance to legal requirements, organizational policies and procedures		1	0	1
	PC27. Identify and respond to imperfections, defects and damage due to mishandling		3	0	3
	PC28. Report defects in the tools and equipment one does not have the authority to repair		1	0	1
	PC29. Report risks/ problems likely to affect services to the relevant person promptly and accurately		2	0	2
	PC30. Complete forms, records and other documentation		2	0	2
	PC31. Make sure that the cut material is correctly sorted to assist the next stage of production		8	5	3
	PC32. Make sure that the cut material is carefully placed to minimise the risk of		2	0	2

Assessment Criteria damage	Assessable		Total	Out	Marks Allocation	
PC33. Carry out closedown procedures on completion of work Total 3. LSS/N5303: Contribute to achieving product quality in cutting product quality in cutting product of product on product of quality in cutting process PC3. Ensure materials and component parts meet specifications production PC4. Cut components to ensure maximum usage and minimum wastage PC5. Maintain the required productivity and quality levels PC6. Carry out quality checks at agreed intervals and in the approved way PC7. Apply the allowed tolerances PC8. Identify process problems that effect product quality and report them promptly to appropriate people PC9. Maintain the continuity of production with minimum interruptions and downltime PC10. Identify faults in finished products and trace their causes PC11. Identify causes of faults and take action to rectify the same to maintain product quality PC12. Report and replace faulty materials and component parts which do not meet specification PC14. Follow reporting procedures where the cause of faults cannot be identified PC15. Maintain the work area, tools and machines PC3. Use correct lifting and handling procedures working area		Assessment Criteria			Theory	
on completion of work Total Total 7 total						
Total 3. LSS/N5303: Contribute to achieving product quality in cutting product on PC2. Ensure materials and component parts meet specifications PC4. Cut components meets specification during production PC4. Cut components to ensure maximum usage and minimum wastage PC5. Maintain the required productivy and quality levels PC6. Carry out quality checks at agreed intervals and in the approved way PC7. Apply the allowed tolerances PC8. Identify process problems that effect product quality and report them promptly to appropriate people PC9. Maintain the continuity of production with minimum interruptions and downtime PC10. Identify faults in finished products and trace their causes PC11. Identify rauts in finished products and trace their causes PC12. Identify faults and irregularities in equipment and machinery and take action to rectify the same to maintain product quality materials and component parts which do not meet specification PC14. Follow reporting procedures where the cause of faults cannot be identified PC15. Maintain records and documentation Total 4. LSS/N8501: Maintain the work area, tools and machines PC3. Use materials to minimize waste PC4. Prepare and organise work PC5. Maintain a clean and hazard free working area				1	0	1
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Assessable		Total	Out	Marks Allocation	
Outcome	Assessment Criteria	Mark	Of	Theory	Skills Practical
	care				
	PC8. Maintain tools and equipment		3	0	3
	PC9. Carry out running maintenance within agreed schedules		1	0	1
	PC10. Carry out maintenance and/or cleaning outside responsibility		1	0	1
	PC11. Report unsafe equipment and other dangerous occurrences		2	0	2
	PC12. Ensure that the correct machine guards are in place		3	0	3
	PC13. Work in a comfortable position with the correct posture		1	0	1
	PC14. Use cleaning equipment and methods appropriate for the work to be carried out		6	5	1
	PC15. Dispose of waste safely in the designated location		2	0	2
	PC16. Store cleaning equipment safely after use		2	0	2
	PC17.Complete and store accurate records and documentation		1	0	1
	PC18.Maintain proper lighting, ventilation to make sure general comfort is there while working		1	0	1
	PC19.Give inputs and assist in completing documentation		1	0	1
	PC20.Report the need for maintenance and/or cleaning outside your area of responsibility		1	0	1
	PC21.Ensure safe and correct handling of materials, equipment and tools		1	0	1
	PC22.Maintain appropriate environment to protect stock from pilfering, theft, damage and deterioration		2	0	2
	Total		50	15	35
5. LSS/N8601: Maintain health, safety	PC1.Comply with health and safety related instructions applicable to the workplace		1	0	1
and security at workplace	PC2.Use and maintain personal protective equipment as per protocol		1	0	1
	PC3.Carry out own activities in line with approved guidelines and procedures		0.5	0	0.5
	PC4.Maintain a healthy lifestyle and guard against dependency on intoxicants	25	1	0	1
	PC5.Follow environment management system related procedures		0.5	0	0.5
	PC6.Identify and correct (if possible) malfunctions in machinery and equipment		6	5	1
	PC7.Report any service malfunctions that cannot be rectified		1	0	1

Assessable	A	Total	Out	Marks Allocation		
Outcome	Assessment Criteria	Mark	Of	Theory	Skills Practical	
	PC8.Store materials and equipment in line with manufacturer's and organizational requirements		0.5	0	0.5	
	PC9.Safely handle and move waste and debris		2	0	2	
	PC10.Minimize health and safety risks to self and others due to own actions		0.5	0	0.5	
	PC11.Seek clarifications, from supervisors or other authorized personnel in case of perceived risks		1	0	1	
	PC12.Monitor the workplace and work processes for potential risks and threats		6	5	1	
	PC13.Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		0.5	0	0.5	
	PC14.Report hazards and potential risks/ threats to supervisors or other authorized personnel		1	0	1	
	PC15.Participate in mock drills/ evacuation procedures organized at the workplace		0.5	0	0.5	
	PC16.Undertake first aid, fire-fighting and emergency response training, if asked to do so		0.5	0	0.5	
	PC17.Take action based on instructions in the event of fire, emergencies or accidents		1	0	1	
	PC18.Follow organization procedures for shutdown and evacuation when required		0.5	0	0.5	
	Total		25	10	15	
6. LSS/N8701: Comply with industry, regulatory and	PC1.Carry out work functions in accordance with legislation and regulations, organizational guidelines and procedures		7	5	2	
organizational requirements	PC2.Seek and obtain clarifications on policies and procedures, from the supervisor or other authorized personnel		3	0	3	
	PC3.Apply and follow these policies and procedures within the work practices	25	10	5	5	
	PC4.Provide support to the supervisor and team members in enforcing these considerations		3	0	3	
	PC5.Identify and report any possible deviation to these requirements		2	0	2	
	Total		25	10	15	
	Grand Total	350	350	130	220	
	Percentage weightage:			37%	63%	
	Minimum pass % to qualify (aggregate):			50	%	

EQUIPMENT LIST

CUTTER (G&G) – LSS/Q5301

Sr. No	SSC	QP Code	Name of the QP	NSQF Level	Equipment Name	Minimum number of Equipment required (per batch of 30 trainees)	Unit Type	Is this a mandatory Equipment to be available at the Training Center (Yes/No)	Dimension/ Specification/ Description of the Equipment/ ANY OTHER REMARK
1	LSSC	LSS/Q5301	Cutter (G&G)	4	Scissors	10	Nos	Yes	150mm and 300mm
2	LSSC	LSS/Q5301	Cutter (G&G)	4	Measuring tape	2	Nos	Yes	Standard
3	LSSC	LSS/Q5301	Cutter (G&G)	4	Steel rule	2	Nos	Yes	Stainless Steel 6" - 15 NOS & 12 "
4	LSSC	LSS/Q5301	Cutter (G&G)	4	Hand clicking knife	5	Nos	Yes	Stainless Steel
5	LSSC	LSS/Q5301	Cutter (G&G)	4	Hammer	2	Nos	Yes	100 gms, 200 gms, 300 gms and 500 gms
6	LSSC	LSS/Q5301	Cutter (G&G)	4	Compass	2	Nos	No	Standard
7	LSSC	LSS/Q5301	Cutter (G&G)	4	White pencil	30	Nos	Yes	Drawing pencil
8	LSSC	LSS/Q5301	Cutter (G&G)	4	Cutting knife	5	Nos	Yes	Stainless steel
9	LSSC	LSS/Q5301	Cutter (G&G)	4	Punches	3	Set	Yes	Size - 00, 0,1,2,3 and 4
10	LSSC	LSS/Q5301	Cutter (G&G)	4	Clicking Awl	5	Nos	Yes	Tempered sharp steel needle with wooden handle
11	LSSC	LSS/Q5301	Cutter (G&G)	4	Hydraulic clicking press	1	Nos	Yes	Cutting Table width – 800mm x 400mm / 1000mm x 500mm
12	LSSC	LSS/Q5301	Cutter (G&G)	4	Cutting Mat	5	Nos	Yes	3.5 x 4.5 ft
14	LSSC	LSS/Q5301	Cutter (G&G)	4	Oil stone	2	Nos	Yes	Standard
15	LSSC	LSS/Q5301	Cutter (G&G)	4	Tracing wheel	3	Nos	Yes	Standard
16	LSSC	LSS/Q5301	Cutter (G&G)	4	Cutting dies	1	Set	Yes	Different shapes (big, small, medium)

17	LSSC	LSS/Q5301	Cutter (G&G)	4	Screwdriver	1	Set	Yes	Small size and long size
18	LSSC	LSS/Q5301	Cutter (G&G)	4	Cutting plier	1	Set	Yes	8 Inch
19	LSSC	LSS/Q5301	Cutter (G&G)	4	Leather thickness measuring gauge	1	Nos	No (Can be made available at OJT site)	Measuring Range: 0 to 10 mm Least count of dial gauge: 0.01 Diameter of anvil: 50 mm approxima tely Diameter of indenter: 10 mm Pressure on indenter: 100 gm/cm2 Throat depth: 50 mm
20	LSSC	LSS/Q5301	Cutter (G&G)	4	Garbage Bins	3	Nos	Yes	30 Its capacity
21	LSSC	LSS/Q5301	Cutter (G&G)	4	Dust Pan with Handle & Broom	1	Nos	Yes	Long handle
22	LSSC	LSS/Q5301	Cutter (G&G)	4	Dry and wet mob	Each one	Nos	Yes	Long handle
23	LSSC	LSS/Q5301	Cutter (G&G)	4	Water Bucket	1	Nos	Yes	20 Its capacity
24	LSSC	LSS/Q5301	Cutter (G&G)	4	PPE set	2	Nos	Yes	Standard
25	LSSC	LSS/Q5301	Cutter (G&G)	4	First aid kit	1	Nos	Yes	Standard
26	LSSC	LSS/Q5301	Cutter (G&G)	4	Fire Extinguisher	1	Nos	Yes	ABC Type

EMPLOYABILITY AND ENTREPRENEURSHIP SKILLS

MODEL CURRICULUM

Program Name	Employability and Entrep	reneurship Skills
Qualification Pack Name & Reference ID	ALL	
Version No.	1.0	Version Update Date
Pre-requisites to Training	NA	
Training Outcomes	 Identify personal achievement mot management. Recall important terminology, parts Office. Discuss the esse bank accounts, ty taxes. Prepare for eminterview, effective interview, effective opportunities: ef problem solving. 	al strengths and value systems: safe work habits, ivation, time management, anger management, stress tenets of digital literacy: fundamentals of computer of a computer and a keyboard, main applications of MS entials of matters pertaining to money: saving money, ypes of costs, investment options, insurance products, apployment and self-employment: preparing for an eresume writing, basic workplace terminology. Sics of entrepreneurship and identify new business if ective leadership, effective speaking, effective listening, business opportunities, types of entrepreneurs, occess and ecosystem, resilient entrepreneurs

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	Introduction Theory Duration (hh:mm) 00:30 Practical Duration (hh:mm) 00:00	 Recognize the importance of general discipline in the class room (dos and don'ts) List expectations from the program Outline the objectives of the program 	Laptop, white board, marker, projector
2	Personal Strengths and Value Systems Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm)	 Identify common health issues and tips to prevent them Discuss critical safety habits to be followed by employees Understand motivation with the help of Maslow's Hierarchy of Needs List the characteristics of entrepreneurs with achievement motivation 	Workbook exercises on health standards, Laptop, activity on strengths and weaknesses, white board, marker, projector

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	04:00	 Discuss how to maintain a positive attitude Discuss the role of attitude in self- analysis List your strengths and weaknesses Describe the importance of honesty in entrepreneurs List the characteristics of highly creative and innovative people Discuss the benefits of time management List the traits of effective time managers Apply effective time management techniques Apply tips for anger management and stress management 	
3	Digital Literacy: A Recap Theory Duration (hh:mm) 01:00 Practical Duration (hh:mm) 03:00	 Identify the basic parts of a computer and keyboard Recall basic computer terminology Identify the functions of basic computer keys Discuss the main applications of MS Office Discuss the benefits of Microsoft Outlook Identify the different types of e- commerce Explain the benefits of e-commerce for retailers and customers Discuss how the Digital India campaign will help boost e-commerce in India Describe how you will sell a product or service on an e-commerce platform Elaborate on the need for digital transactions Identify the modes of digital transactions Explain the uses of digital transactions 	Laptop, white board, marker, projector, CPU, Monitor, keyboard, mouse, MS Office software, E-Wallet soft wares such as PayTM, SBI buddy etc.
4	Money Matters Theory Duration (hh:mm) 06:00 Practical Duration (hh:mm) 02:00	 Recognize the importance and benefits of saving money Discuss the main types of bank accounts Illustrate the process of opening a bank account Differentiate between fixed and variable costs Describe the main types of investment options Identify the different types of insurance products and types of taxes Discuss the uses of online banking Describe the main types of electronic funds transfers 	Laptop, white board, marker, projector, Passport, Driving License, Voter ID card, PAN card, Aadhaar card, sample KYC document, bank opening form (can be downloaded from the Internet)
5	Preparing for Employment and Self-Employment Theory Duration (hh:mm) 02:00 Practical Duration (hh:mm) 04:00	 Follow the steps to prepare for an interview Create an effective Resume Identify the most frequently asked interview questions Discuss how to answer the most frequently asked interview questions Identify basic workplace terminology 	Laptop, white board, marker, projector, sample CVs, Mock interviews, role plays, role play briefs, FAQs, quiz on basic workplace technologies
6	Entrepreneurship	Discuss the concept and significance of entrepreneurship and the characteristics of an	Laptop, white board, marker,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Theory Duration (hh:mm) 04:30 Practical Duration (hh:mm) 09:00	 List the qualities of an effective leader and the benefits of effective leadership List the traits of an effective team Apply techniques of effective listening Apply techniques of effective speaking Solve problems by identifying important problem-solving traits Discuss how to identify new business opportunities within your business Describe the different types of entrepreneurs State the characteristics of entrepreneurs Recall entrepreneur success stories Follow the entrepreneurial process and explain the entrepreneurship ecosystem Recognize the purpose of the Make in India campaign Identify key schemes to promote entrepreneurs Define the relationship between entrepreneurship and risk appetite and entrepreneurship and resilience Discuss the characteristics of a resilient entrepreneur Identify techniques of dealing effectively with failure 	projector, SWOT activity: pen and paper individual exercise, charts, colored pens, Group Activity: poster making on entrepreneurship ecosystem. Activity: SMART Goal writing
	Total Duration Theory Duration 18:00 Practical Duration 22:00	Unique Equipment Required: Laptop, white board, marker, projector.	,

Grand Total Course Duration: 40 Hours, 0 Minutes

(This syllabus/ curriculum has been approved by National Skill Development Corporation)

PRACTICAL TRAINING (ON-JOB TRAINING) (BLOCK II)

DURATION: 1440 Hours

GENERAL INFORMATION

1. Name of the Trade : Quality Control Inspector (G&G)

2. **Duration of On-Job Training** : 1440 hours

3. Batch size : 30 (recommended)

4. Examination : i) The internal assessment will be held on

completion of the block

ii) Leather Sector Skills Council (LSSC) will

conduct exam at the end of Apprenticeship training

5. Instructor Qualification :

6. Infrastructure for On-Job Training : As per Tools & Equipment required for On-Job

Training

Trainer Prerequisites for Job role: "Quality Control Inspector (G&G)"

Sr. No.	Area	Details
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack "LSS/Q5701, Version 1.0".
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-organised and focused, eager to learn and keep oneself updated with the latest in the mentioned field.
3	Minimum Educational Qualifications	Diploma or B.Tech, in leather goods technology
4a	Domain Certification	Certified for Job Role: "Quality Control Inspector (G&G)", mapped to QP: "LSS/Q5701, Version 1.0". Minimum accepted score as per SSC guidelines is 80% on the SSC prescribed online theory assessment test based on an industry validated question bank.
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: "Trainer", mapped to the Qualification Pack: "SSC/1402". Minimum accepted score for the trainer is 80% as per SSC guidelines.
5	Experience	Prior experience as an operator for a minimum of 3-4 years or as a supervisor for 1-2 years in goods /garments manufacturing

BROAD SKILL COMPONENT

BROAD SKILL COMPONENT TO BE COVERED DURING ON-JOB TRAINING

BLOCK - II

- 1. Develop reading and writing skills for noting designs so to assess components types and quantities required for it.
- 2. Develop skills for checking pattern design into goods/ garments components to make accurate replica as per design
- 3. Understand the components that go into manufacturing of goods/ garments to achieve correct weight and size
- 4. Spot difficulties with respect to practicality of design and to achieve improved productivity per design type
- 5. Ensure right amount of temperature for processes wherever required
- 6. Understand the work of clicking and printing machine
- 7. Develop the skill of skiving and stitching operations
- 8. Use tools to make parts of goods and garments
- 9. Maintain tools and machines used so when they are required, they are available without any problem
- 10. Develop the skill of using technology such as computer for visual aid and efficient working
- 11. Develop the understanding of working in a safe environment, i.e., without injuries
- 12. Understand how to manufacture quality products.
- 13. To read a job card and identify raw materials required for job work.
- 14. To use tools and equipment required for the job
- 15. To know about different types of leathers
- 16. To assemble components to complete leather goods
- 17. To be able to control leather loss
- 18. To be able to detect product defects
- 19. To be able to check quality in each stage of production and ensure the final product is packed as per specification and sample.
- 20. To understand goods and garments manufacturing process
- 21. To understand the different types of goods/ garments

Quality Control Inspector (G&G) – LSS/Q5701

Model Curriculum

Key Learning Outcomes:

Program Name	Quality Control Inspector (G&G)		
Qualification Pack Name & Reference ID	LSS/Q5701, V1.0		
Version No.	1.0	Version Update Date	Not Applicable
Pre-requisites to Training	Certification training in goods/ garments manufacturing preferred		
Training Outcomes	After completing this programme, participants will be able to: Gain knowledge on overview of leather industry and generic skills: General instructions to importance of leather industry, general hazards in leather industry, basic health safety and hygiene precautions, generic skills to be followed in leather industry. Check quality of product after goods/ garments manufacturing process: Ensure quality control inspection in goods/ garments manufacturing by using appropriate machineries, tools, equipment and processes Become well versed with environment, health, safety & security at work: Well versed with health and safety measures in terms of personal safety and equipment safety relevant to cutting occupation. Follow industrial regularity and organizational requirements: Carry out work in accordance with organizational guidelines and procedures, identify and report any possible deviation.		

Sr. No.	Module	Key Learning Outcomes	Equipment Required
Week 1	Quality Check during cutting operation Session 1 Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 32:00 Corresponding NOS Code LSS/N5701	 The trainee will be able to Explain: Quality checking measures during clicking process Checking of various types of dyes Organization's standard operating procedures The trainee will be able to: Inspect the work area is free from hazards as per the safety norm of the organization Inspect the work area and check for the cleanliness and as per the organizational standards 	Sample leather defects material after cutting, Steel scale, Measuring tape, Gloves, Helmet, Safety shoe, Ear plug, Apron
Week 2	Quality Check during cutting operation Session 2 Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 32:00 Corresponding NOS Code LSS/N5701	 The trainee will be able to Explain: Clicking defects and handling defects How to identify the process and product problems The escalation hierarchy The trainee will be able to: Obtain and check the production plan and ensure that the work is carried out as per the quality specifications mentioned Inspect and check the quality during the clicking process 	Sample leather defects material after cutting, Steel scale, Measuring tape, Gloves, Helmet, Safety shoe, Ear plug, Apron
Week 3	Quality Check during cutting operation Session 3 Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701	The trainee will be able to: Inspect and randomly check if the semi-finished products are free from defects after clicking process Inspect and handle damages as per the quality standards	Sample leather defects material after cutting, Steel scale, Measuring tape, Gloves, Helmet, Safety shoe, Ear plug, Apron
Week 4	Quality Check during cutting operation Session 4 Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00	The trainee will be able to: Reject the semi-finished products which do not meet the quality specifications	Sample leather defects material after cutting, Steel scale, Measuring tape, Gloves, Helmet, Safety shoe, Ear plug, Apron

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Corresponding NOS Code LSS/N5701		
Week 5	Quality Check during cutting operation Session 5 Theory Duration (hh:mm) 00:00	The trainee will be able to: • Ensure the parameters are set as per the manufacturers instruction	Sample leather defects material after cutting, Steel scale, Measuring tape, Gloves, Helmet, Safety shoe, Ear plug, Apron
	Practical Duration (hh:mm) 40:00		
	Corresponding NOS Code LSS/N5701		
Week 6	Quality Check during cutting operation Session 6 Theory Duration	The trainee will be able to: Ensure the quality of the semi-finished products is as per the specified quality standards The trainee will be able to:	Sample leather defects material after cutting, Steel scale, Measuring tape, Gloves, Helmet,
	(hh:mm) 00:00		Safety shoe, Ear plug, Apron
	Practical Duration (hh:mm) 40:00		
	Corresponding NOS Code LSS/N5701		
Week 7	Quality Check during cutting operation Session 7 Theory Duration (hh:mm) 00:00	The trainee will be able to: • Ensure that the semi-finished product is free from production and handling damages	Sample leather defects material after cutting, Steel scale, Measuring tape, Gloves, Helmet, Safety shoe, Ear plug, Apron
	Practical Duration (hh:mm) 40:00		plug, Apron
	Corresponding NOS Code LSS/N5701		
Week 8	Quality Check during stitching operation Session 1	 The trainee will be able to Explain: Quality checking process during stitching process The various types of stitching required by 	Sample leather defects material after stitching operations, Steel scale,
	Theory Duration (hh:mm) 08:00	various productsOrganization's standard operating procedures	Measuring tape, Gloves, Helmet, Safety shoe, Ear
	Practical Duration (hh:mm) 32:00	The trainee will be able to: Inspect the work area is free from hazards as per the safety norm of the organization	plug, Apron

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Corresponding NOS Code LSS/N5701	Inspect the work area and check for the cleanliness and as per the organizational standards	
Week 9	Quality Check during stitching operation Session 2 Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 32:00 Corresponding NOS Code LSS/N5701	 The trainee will be able to Explain: Stitching defects and handling defects How to identify the process and product problems The escalation hierarchy The trainee will be able to: Obtain and check the production plan and ensure that the work is carried out as per the quality specifications mentioned 	Sample leather defects material after stitching operations, Steel scale, Measuring tape, Gloves, Helmet, Safety shoe, Ear plug, Apron
Week 10	Quality Check during stitching operation Session 3 Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701	The trainee will be able to: Inspect and check the quality during the stitching process Inspect and randomly check if the semi-finished products are free from defects after stitching process	Sample leather defects material after stitching operations, Steel scale, Measuring tape, Gloves, Helmet, Safety shoe, Ear plug, Apron
Week 11	Quality Check during stitching operation Session 4 Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701	The trainee will be able to: Inspect and handle damages as per the quality standards Reject the semi-finished products which do not meet the quality specifications	Sample leather defects material after stitching operations, Steel scale, Measuring tape, Gloves, Helmet, Safety shoe, Ear plug, Apron
Week 12	Quality Check during stitching operation Session 5 Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm)	The trainee will be able to: • Ensure the parameters are set as per the manufacturers instruction	Sample leather defects material after stitching operations, Steel scale, Measuring tape, Gloves, Helmet, Safety shoe, Ear plug, Apron

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	40:00 Corresponding NOS Code LSS/N5701		
Week 13	Quality Check during stitching operation Session 6 Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701	The trainee will be able to: • Ensure the quality of the semi-finished products is as per the specified quality standards	Sample leather defects material after stitching operations, Steel scale, Measuring tape, Gloves, Helmet, Safety shoe, Ear plug, Apron
Week 14	Quality Check during stitching operation Session 7 Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701	The trainee will be able to: Ensure that the semi-finished product is free from production and handling damages Give feedback on the quality of the product on the continuous basis	Sample leather defects material after stitching operations, Steel scale, Measuring tape, Gloves, Helmet, Safety shoe, Ear plug, Apron
Week 15	Quality Check during parts making operations Session 1 Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 32:00 Corresponding NOS Code LSS/N5701	 The trainee will be able to Explain: Quality checking process during parts making operations Methods to receive work instructions and specifications and interpret them accurately Methods to make use of the information detailed in specifications and instructions The types of faults in equipment and machinery and the action to be taken when they occur The kinds of faults in the finished component The trainee will be able to: Set up and test equipment to meet quality standard 	Stage wise inspection while doing the production Wooden tray, Sample non-leather, Pencil, Plastic tray, Silver refill, Chart paper, Sample leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semifinished product after manufacturing processes
Week 16	Quality Check during parts making operations Session 2 Theory Duration	The trainee will be able to Explain: Process to identify materials which do not conform to requirements and how to report them to appropriate people Care and fabric content labels/ symbols	Stage wise inspection while doing the production Wooden tray,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	(hh:mm) 08:00 Practical Duration (hh:mm) 32:00 Corresponding NOS Code LSS/N5701	 Awareness of material/fabric/ yarn types The causes of lost production and material wastage Process to maintain the flow of production The importance of achieving quality and its relation to the end user/customer The trainee will be able to: Ensure materials and component parts meet specifications 	Sample non-leather, Pencil, Plastic tray, Silver refill, Chart paper, Sample leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semi- finished product after manufacturing processes
Week 17	Quality Check during parts making operations Session 3 Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 32:00 Corresponding NOS Code LSS/N5701	The trainee will be able to: • Ensure the quality of the product meets specification during production	Stage wise inspection while doing the production Wooden tray, Sample non-leather, Pencil, Plastic tray, Silver refill, Chart paper, Sample leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semifinished product after manufacturing processes
Week 18	Quality Check during parts making operations Session 4 Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701	The trainee will be able to: • Identify faults in cut components	Stage wise inspection while doing the production Wooden tray, Sample non-leather, Pencil, Plastic tray, Silver refill, Chart paper, Sample leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semifinished product after manufacturing processes
Week 19	Quality Check during parts making operations Session 5 Theory Duration (hh:mm)	The trainee will be able to: Identify faults in stitched components	Stage wise inspection while doing the production Wooden tray, Sample non-leather,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701		Pencil, Plastic tray, Silver refill, Chart paper, Sample leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semi- finished product after manufacturing processes
Week 20	Quality Check during parts making operations Session 6 Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701	The trainee will be able to: Carry faulty components back to the respective operator for correction	Stage wise inspection while doing the production Wooden tray, Sample non-leather, Pencil, Plastic tray, Silver refill, Chart paper, Sample leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semifinished product after manufacturing processes
Week 21	Quality Check during parts making operations Session 7 Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701	The trainee will be able to: Ensure that there are no residues of adhesive/ stray marks or similar defects on the outer surface of the component The trainee will be able to: The trai	Stage wise inspection while doing the production Wooden tray, Sample non-leather, Pencil, Plastic tray, Silver refill, Chart paper, Sample leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semifinished product after manufacturing processes
Week 22	Quality Check during parts making operations Session 8 Theory Duration (hh:mm) 00:00	The trainee will be able to: • Ensure immediate movement of material from one place to another to increase productivity	Stage wise inspection while doing the production Wooden tray, Sample non-leather, Pencil, Plastic tray,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701		Silver refill, Chart paper, Sample leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semifinished product after manufacturing processes
Week 23	Quality Check during parts making operations Session 9	The trainee will be able to: Maintain the required productivity and quality levels	Stage wise inspection while doing the production
	Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701		Wooden tray, Sample non-leather, Pencil, Plastic tray, Silver refill, Chart paper, Sample leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semi- finished product after manufacturing processes
Week 24	Quality Check during parts making operations Session 10 Theory Duration (hh:mm) 00:00	The trainee will be able to: Carry out quality checks at agreed intervals and in the approved way	Stage wise inspection while doing the production Wooden tray, Sample non-leather, Pencil, Plastic tray, Silver refill, Chart
	Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701		paper, Sample leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semi- finished product after manufacturing processes
Week 25	Quality Check during parts making operations Session 11	The trainee will be able to: Maintain the continuity of production with minimum interruptions and downtime	Stage wise inspection while doing the production
	Theory Duration (hh:mm) 00:00		Wooden tray, Sample non-leather, Pencil, Plastic tray, Silver refill, Chart

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701		paper, Sample leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semi- finished product after manufacturing
Week 26	Quality Check during parts making operations Session 12 Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701	The trainee will be able to: • Identify faults and irregularities in equipment and machinery and report to the operator	Stage wise inspection while doing the production Wooden tray, Sample non-leather, Pencil, Plastic tray, Silver refill, Chart paper, Sample leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semifinished product after manufacturing processes
Week 27	Quality Check during parts making operations Session 13 Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code LSS/N5701	The trainee will be able to: Follow reporting procedures where the cause of faults cannot be identified The trainee will be able to: In the trainee will be able to: The trainee will	Stage wise inspection while doing the production Wooden tray, Sample non-leather, Pencil, Plastic tray, Silver refill, Chart paper, Sample leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semifinished product after manufacturing
Week 28	Quality Check during parts making operations Session 14 Theory Duration (hh:mm) 00:00 Practical Duration	The trainee will be able to: • Maintain records and documentation	processes Stage wise inspection while doing the production Wooden tray, Sample non-leather, Pencil, Plastic tray, Silver refill, Chart paper, Sample

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	(hh:mm) 40:00 Corresponding NOS Code LSS/N5701		leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semi- finished product after manufacturing processes
Week 29	Quality Check during finishing and packing operations Session 1 Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 32:00	 The trainee will be able to Explain: Quality checking process during goods and garment finishing operations Methods to make use of the information detailed in specifications and instructions The types of faults in equipment and machinery and the action to be taken when they occur The kinds of faults in the finished component Process to identify materials which do not conform to requirements and how to report them to appropriate people 	Leather crockmeter, Flexometer, Spray tester, Crackness apparatus tester, Water vapor permeability tester, Finish film adhesion tester, Measuring tape, Steel rule, Hammer, Compass, Digital weighing scale
Week 30	Corresponding NOS Code LSS/N5701 Quality Check during finishing and packing operations Session 2 Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 32:00 Corresponding NOS Code LSS/N5701	 The trainee will be able to: Set up and test equipment to meet quality standard The trainee will be able to Explain: Quality checking process during goods and garment packing process The importance of achieving quality and its relation to the end user/customer Care and fabric content labels/ symbols Awareness of material/fabric/ yarn types The causes of lost production and material wastage Process to maintain the flow of production The trainee will be able to: Ensure materials and component parts meet specifications Ensure the quality of the product meets specification during production The trainee will be able to: 	Leather crockmeter, Flexometer, Spray tester, Crackness apparatus tester, Water vapor permeability tester, Finish film adhesion tester, Measuring tape, Steel rule, Hammer, Compass, Digital weighing scale
Week 31	Quality Check during finishing and packing operations Session 3 Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00 Corresponding NOS Code	 The trainee will be able to: Ensure that there are no residues of adhesive/ stray marks or similar defects on the outer surface of the component Check for visible faults on the good/garment 	Leather crockmeter, Flexometer, Spray tester, Crackness apparatus tester, Water vapor permeability tester, Finish film adhesion tester, Measuring tape, Steel rule, Hammer, Compass, Digital weighing scale

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	LSS/N5701		. 4
Week 32	Quality Check during finishing and packing operations Session 4 Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 40:00	The trainee will be able to: Ensure immediate movement of faulty materials for alteration Ensure proper and full covering of metal parts of the good/ garment to prevent scratches during dispatch	Leather crockmeter, Flexometer, Spray tester, Crackness apparatus tester, Water vapor permeability tester, Finish film adhesion tester, Measuring tape, Steel rule, Hammer, Compass, Digital weighing scale
Week 33	Corresponding NOS Code LSS/N5701 Quality Check during finishing and packing	The trainee will be able to: Maintain the required productivity and quality	Leather crockmeter, Flexometer, Spray
	operations Session 5 Theory Duration (hh:mm)	levels Assist in quality checks at agreed intervals and in the approved way	tester, Crackness apparatus tester, Water vapor permeability tester, Finish film adhesion
	O0:00 Practical Duration (hh:mm) 40:00		tester, Measuring tape, Steel rule, Hammer, Compass, Digital weighing scale
	Corresponding NOS Code LSS/N5701		
Week 34	Quality Check during finishing and packing operations Session 6 Theory Duration (hh:mm) 00:00	 The trainee will be able to: Maintain the continuity of production with minimum interruptions and downtime Identify process problems that effect product quality and report them promptly to appropriate people 	Leather crockmeter, Flexometer, Spray tester, Crackness apparatus tester, Water vapor permeability tester, Finish film adhesion tester, Measuring
	Practical Duration (hh:mm) 40:00		tape, Steel rule, Hammer, Compass, Digital weighing scale
	Corresponding NOS Code LSS/N5701		
Week 35	Quality Check during finishing and packing operations Session 7 Theory Duration (hh:mm)	The trainee will be able to: Identify faults and irregularities in equipment and machinery and take action within the limits of your responsibility Follow reporting procedures where the cause of faults cannot be identified Maintain records and documentation	Leather crockmeter, Flexometer, Spray tester, Crackness apparatus tester, Water vapor permeability tester, Finish film adhesion
	00:00	Maintain records and documentation	tester, Measuring tape, Steel rule,

Sr. No.	Module	Key Learning Outcomes	Equipment Required		
	Practical Duration (hh:mm) 40:00		Hammer, Compass, Digital weighing scale		
	Corresponding NOS Code LSS/N5701				
Week 36	Revision Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 30:00 Corresponding NOS Code LSS/N5701	The trainee will be able to: Summarize the skills learned in previous weeks Attend all the previous exercises which are mixed Make them ready to adopt a career in this field	All the equipment as mentioned above for Quality Control Inspector		
	Total Duration 1440:00 Theory Duration 82:00 Practical Duration 1358:00	Unique Equipment Required: Leather crockmeter, Flexometer, Spray tester, Crackness apparatus tester, Water vapor permeability tester, Finish film adhesion tester, Measuring tape, Steel rule, Hammer, Compass Digital weighing scale, White pencil, Screwdriver, Cutting plier, Wooder tray, Sample non-leather, Dispenser with cello tape, Pencil, Plastic tray Silver refill, Chart paper, Sample leather defects material, Leather thickness measuring gauge, Sample leather test pieces, Sample semi-finished product after manufacturing processes, Gloves, Helmet, Safety			
		shoe, Ear plug, Apron, First aid kit, Fire exting documents	uisher, Sample legal		

Grand Total Course Duration: 1440 Hours, o Minutes

Assessment Criteria

Assessment Criteria	
Job Role	Quality Control Inspector (G&G)
Qualification Pack	LSS/Q5701, V1.0
Sector Skill Council	Leather

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	Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre (as per assessment criteria below)
4	Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on these criteria
5	To pass the Qualification Pack, every candidate should score a minimum 70% of aggregate marks to successfully clear the assessment
6	In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

As	sessable	Accomment Cuitoria	Total	Out Of	Marks Allocation		
Ou	itcome	Assessment Criteria	Mark	Out Of	Theory	Skills Practical	
1.	LSS/N5701: Carry out quality	PC1. Ensure that the sample piece produced conforms to the buyer specification		4	1	3	
	checks in goods and garments manufacturing	PC2. After finalization of sample piece, confirm leather type, shade and quality of leather is as per buyer specification		4	1	3	
		PC3. Ensure that the line supervisors, table checkers and final checkers assess, check and maintain the quality of each component		2	1	1	
		PC4. Ensure proper production process is being followed in the factory		3	0	3	
		PC5. Supervise the work of the line supervisors, table checkers and the final checkers, as per organization standards	er specification line supervisors, table leckers assess, check lity of each component broduction process is factory work of the line leckers and the final lanization standards m checks in the mt to maintain quality as dards of garments which of the final checker and land packing g as per organization Ily reports submitted by take decision ally reports submitted by take decision 1 0 2 1 3 0 4 1 5 1 6 1 7 1 7 1 7 1 7 1 7 1 7 1 7	0	1		
		PC6. Conduct random checks in the production department to maintain quality as per organization standards		3			
		PC7. Assess quality of garments which cannot be certified by the final checker and give a final decision	31	2	1	1	
	PC8. Ensure storage and packing procedures are being as per organization 2 standards PC9. Analyze the daily reports submitted by	2	1	1			
		PC9. Analyze the daily reports submitted by the subordinates and take decision accordingly		3	0	3	
		PC10. Receive daily reports of quality checks from the subordinates		2	1	1	
		PC11. Analyze the daily reports submitted by the subordinates and take decision accordingly		1	0	1	
		PC12. Submit final quality report to the quality manager		2	1	1	
		PC13. Document and discuss quality issues with quality manager wherever applicable		2	1	1	
		Total		31	8	23	
2.	LSS/N8601:	PC1. Comply with health and safety related instructions applicable to the workplace		2	1	1	
۷.	Maintain health, safety and	PC2. Use and maintain personal protective equipment as per protocol		2	1	1	
	security at workplace	PC3. Carry out own activities in line with approved guidelines and procedures		1	0	1	
	Workplace	PC4. Maintain a healthy lifestyle and guard against dependency on intoxicants		2	1	1	
		PC5. Follow environment management system related procedures	36	1	0	1	
		PC6. Identify and correct (if possible) malfunctions in machinery and equipment		2	1	1	
		PC7. Report any service malfunctions that cannot be rectified		2	1	1	
		PC8. Store materials and equipment in line with manufacturer's and organizational requirements		4	1	3	

Assessable	Assessment Criteria	Total	Out Of	Marks Allocation	
Outcome	Assessment Citteria	Mark	Out Of	Theory	Skills Practical
	PC9. Safely handle and move waste and debris		4	1	3
	PC10. Minimize health and safety risks to self and others due to own actions		2	1	1
	PC11. Seek clarifications, from supervisors or other authorized personnel in case of perceived risks		2	1	1
	PC12. Monitor the workplace and work processes for potential risks and threats		1	0	1
	PC13. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		2	1	1
	PC14. Report hazards and potential risks/ threats to supervisors or other authorized personnel		2	1	1
	PC15. Participate in mock drills/ evacuation procedures organized at the workplace		2	1	1
	PC16. Undertake first aid, fire-fighting and emergency response training, if asked to do so		1	0	1
	PC17. Take action based on instructions in the event of fire, emergencies or accidents		2	1	1
	PC18. Follow organization procedures for shutdown and evacuation when required		2	1	1
	Total		36	14	22
	PC1. Carry out work functions in accordance with legislation and regulations, organizational guidelines and procedures		1	0	1
3. LSS/N8701: Comply with industry,	PC2. Seek and obtain clarifications on policies and procedures, from the supervisor or other authorized personnel		2	1	1
regulatory and organizational	PC3. Apply and follow these policies and procedures within the work practices	8	1	0	1
requirements	PC4. Provide support to the supervisor and team members in enforcing these considerations		2	1	1
	PC5. Identify and report any possible deviation to these requirements		2	1	1
	Total		8	3	5
	Grand Total	75	75	25	50
	Percentage weightage:			33.3%	66.7%
	Minimum pass % to qualify (aggregate):			7	0%

EQUIPMENT LIST

QUALITY CONTROL INSPECTOR (G&G) – LSS/Q5701

Sr. No	SSC	QP Code	Name of the QP	NSQF Level	Equipment Name	Minimum number of Equipment required (per batch of 30 trainees)	Unit Type	Is this a mandatory Equipment to be available at the Training Center (Yes/No)	Dimension/ Specification/ Description of the Equipment/ ANY OTHER REMARK
1	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Leather Crockmeter	2	Nos	No (Can be made available at OJT site)	 Diameter of Rubbing Finger: Less than 16 mm Force on rubbing finger: 9N (917.43 g) Size of test specimen: Less than 250 x 50 mm
2	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Flexometer	1	Nos	No (Can be made available at OJT site)	 Flexing frequency: 100± 5 cycles/ minute Angle of oscillation of grips: 22.5 +0.5° Dimension of test specimens: 70 X 45 mm
3	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Spray Tester	1	Nos	No (Can be made available at OJT site)	Spray nozzle: Converse face with 19 holes of 0.7 mm diameter. The rate of water spray: 250 ml in 25 to 30 seconds.
4	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Thickness Gauge	2	Nos	No (Can be made available at OJT site)	Measuring Range: 0 to 10 mm Least count of dial gauge: 0.01 Diameter of anvil: 50 mm approximately Diameter of indenter: 10 mm Pressure on indenter: 100 gm/cm2 Throat depth: 50 mm
5	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Crackness Apparatus Tester	1	Nos	No (Can be made	Standard

								available at OJT site)	
6	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Water Vapor Permeability Tester	1	Nos	No (Can be made available at OJT site)	Container Height Range: 70 - 90 mm Vertical Mounted Turntable Rotation Speed: 75 less than 5 r/min Fan Rotation Speed: 1400 less than 100 c/min Press Knife Diameter: 43 mm
7	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Finish Film Adhesion Tester	1	Nos	No (Can be made available at OJT site)	Size of test specimen: 10 X 50mm No. Of test specimen-pasting strip mounted on the Pressing: 5 jigs at a time Weight of the loading weight: 400 gm Total weight of hanger with hook: 50 gm
8	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Digital weighing scale	2	Nos	Yes	10 kg capacity or more
9	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Measuring Tape	5	Nos	Yes	cotton or plastic - 2 meter long
10	LSSC	LSS/Q5701	Quality Control Inspector (G&G)		Stainless steel scale	5	Nos	Yes	6" - 15 NOS & 12 "
11	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Screwdriver	5	Nos	Yes	Small size and long size
12	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Cutting Plier	2	Nos	Yes	8 Inch
13	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Sample leather test pieces	5	Nos	Yes	Cow/Sheep/Buffalo leather
14	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Sample semi- finished product after manufacturing processes	2	Nos	Yes	Semi-finished product
15	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	PPE set	2	Nos	Yes	Standard
16	LSSC	LSS/Q5701	Quality Control Inspector	5	First aid kit	1	Nos	Yes	Standard

			(G&G)						
17	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Fire Extinguisher	1	Nos	Yes	ABC Type
18	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Compass	2	Nos	Yes	Standard
19	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	White pencil	30	Nos	Yes	Drawing pencil
20	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Wooden tray	2	Nos	Yes	
21	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Sample non- leather	3	Nos	Yes	
22	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Dispenser with cello tape	1	Nos	Yes	
23	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Pencil	5	Nos	Yes	Black
24	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Plastic tray	2	Nos	Yes	
25	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Silver refill	5	Nos	Yes	
26	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Chart paper	30	Nos	Yes	
27	LSSC	LSS/Q5701	Quality Control Inspector (G&G)	5	Sample leather defects material	1	Nos	Yes	

FURTHER LEARNING PATHWAYS

After completion of the apprenticeship training the candidates have wide career choices available with them in the Leather industry. A candidate after completing apprenticeship can be skilled horizontally in various segments like, Quality Control Inspector (G&G), Quality Control Manager and line supervisor. Vertically, they can go to higher levels in plant hierarchy.

Employment opportunities:

Apart from above mentioned avenues, the apprentice can always aspire to be one of the following as stated below:

- 1) **Goods/ garments manufacturing units in India**: The apprentice may be employed with the biggest player of the trades and be a part of their manufacturing set and deliver quality work.
- 2) **Goods/ garments manufacturing set up/ Retail Unit**: The apprentice may be encouraged to set up their own manufacturing unit, which they may also channelize into owning a retail unit and be able to sell their merchandise directly to the consumers.
- 3) **Education and Training**: They may also take up the role of the instructor in this field where they can impart their manufacturing knowledge to the aspiring students.

INFRASTRUCTURE FOR ON-JOB TRAINING

TRADE: QUALITY CONTROL INSPECTOR (G&G)

For a Batch of 30 APPRENTICES

Actual training will depend on the existing facilities available in the establishments. However, the industry should ensure that the broad skills defined against On-Job Training part (i.e. 9 months) are imparted. In case of any short fall the concern industry may impart the training in cluster mode/ any other industry/ at any set up.

GUIDELINES FOR INSTRUCTORS AND PAPER SETTERS

Due care to be taken for proper & inclusive training delivery in the batch.

- 1. Some of the following method of delivery may be adopted:
 - a. LECTURE
 - b. LESSON
 - c. DEMONSTRATION
 - d. PRACTICE
 - e. GROUP DISCUSSION
 - f. DISCUSSION WITH PEER GROUP
 - g. PROJECT WORK
 - h. STORE VISIT
- 2. Maximum utilization of latest form of training viz., audio visual aids, integration of IT, etc. may be adopted.
- 3. The total hours to be devoted against each topic may be decided with due diligence to safety & with prioritizing transfer of required skills.



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