



Technical Manager-Footwear Technology

QP Code: MSME/LSS/Q1102

Version: 1.0

NSQF Level: 6

MSME TECHNOLOGY CENTRE ||
B-36 CHANDAKA INDUSTRIAL AREA || email:msmeexamcell@gmail.com



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MSME/LSS/Q1102: Technical Manager-Footwear Technology

Brief Job Description

This programme is aimed to train candidates for the job of Manager or Entrepreneur in Footwear Technology industry, in the Leather Sector or industry

Personal Attributes

This programme is aimed to train candidates for the job of Manager or Entrepreneur in Footwear Technology industry, in the Leather Sector or industry

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [MSME/LSS/N1160: FINAL PROJECT](#)
2. [MSME/LSS/N1158: Entrepreneurship Development](#)
3. [MSME/LSS/N1157: Advance Technology](#)
4. [MSME/LSS/N1156: Advance Technology](#)
5. [MSME/LSS/N1155: Material Science and Testing](#)
6. [MSME/LSS/N1154: Material Science and Testing](#)
7. [MSME/LSS/N1153: International Business and Communication](#)
8. [MSME/LSS/N1100: Marketing, Merchandising & Supply chain](#)
9. [MSME/LSS/N1150: Marketing, Merchandising & Supply chain](#)
10. [MSME/LSS/N1149: Standardization and Quality Control](#)
11. [MSME/LSS/N1148: Standardization and Quality Control](#)
12. [MSME/LSS/N1147: Machine Lasting with Advanced Technology](#)
13. [MSME/LSS/N1146: Machine Lasting with Advanced Technology](#)
14. [MSME/LSS/N1145: Advanced Closing Technology](#)
15. [MSME/LSS/N1144: Advanced Closing Technology](#)
16. [MSME/LSS/N1143: Clicking Technology](#)
17. [MSME/LSS/N1142: Clicking Technology](#)



Qualification Pack



18. [MSME/LSS/N1141: Finance, Estimate and Costing](#)
19. [MSME/LSS/N1140: Computer Added Footwear Design \(CAD\)](#)
20. [MSME/LSS/N1139: Computer Added Footwear Design \(CAD\)](#)
21. [MSME/LSS/N1138: Patterns Cutting Engg. For Product Development](#)
22. [MSME/LSS/N1137: Patterns Cutting Engg. For Product Development](#)
23. [MSME/LSS/N1136: Industrial Management and Safety](#)
24. [MSME/LSS/N1135: Lasting and Making Technology](#)
25. [MSME/LSS/N1134: Lasting and Making Technology](#)
26. [MSME/LSS/N1133: Basic Closing Technology](#)
27. [MSME/LSS/N1132: Basic Closing Technology](#)
28. [MSME/LSS/N1131: Basic Cutting Technology](#)
29. [MSME/LSS/N1130: Basic Cutting Technology](#)
30. [MSME/LSS/N1129: Designing and Pattern Cutting III](#)
31. [MSME/LSS/N1128: Designing and Pattern Cutting II](#)
32. [MSME/LSS/N1127: Art and Sketching II](#)
33. [MSME/LSS/N1126: Art and Sketching I](#)
34. [MSME/LSS/N1159: Employability Skills 1.1](#)
35. [MSME/LSS/N1152: Employability skills 1](#)

Qualification Pack (QP) Parameters

Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
Country	India
NSQF Level	6
Credits	60



Qualification Pack



Aligned to NCO/ISCO/ISIC Code	3122.3100
Minimum Educational Qualification & Experience	Completed 3 year UG degree
Minimum Level of Education for Training in School	Not Applicable
Pre-Requisite License or Training	NA
Minimum Job Entry Age	19 Years
Last Reviewed On	NA
Next Review Date	NA
NSQC Approval Date	
Version	1.0



MSME/LSS/N1160: FINAL PROJECT

Description

To understand, record and analyses the manufacturing practices followed by footwear manufacturing units (Implant Training)

Scope

The scope covers the following :

- To understand, record and analyses the manufacturing practices followed by footwear manufacturing units (Implant Training)

Elements and Performance Criteria

PGD-305

To be competent, the user/individual on the job must be able to:

PC1. VIVA VOCE



Qualification Pack



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-305</i>	-	-	-	100
PC1. VIVA VOCE	-	-	-	-
NOS Total	-	-	-	100



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1160
NOS Name	FINAL PROJECT
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	8
Version	1.0
Next Review Date	NA



MSME/LSS/N1158: Entrepreneurship Development

Description

To Development of Entrepreneurship Skills, Support of Entrepreneurship Assistance and Preparation of Project Report

Scope

The scope covers the following :

- To Development of Entrepreneurship Skills, Support of Entrepreneurship Assistance and Preparation of Project Report

Elements and Performance Criteria

PGD-304

To be competent, the user/individual on the job must be able to:

- PC1.** Describe Entrepreneurship – Meaning and Importance, Evolution of Term ‘Entrepreneurship’, Factors influencing entrepreneurship’, Types of Entrepreneurs.
- PC2.** Discuss about Entrepreneurial Motivation, Creativity, Steps in Creativity, Innovation, Skills of an Entrepreneur, Explanation about Decision making and problem solving
- PC3.** Introduction of Organization Assistance, Financial Assistance to MSME, Export Oriented Units
- PC4.** Introduction of KVIC, Industrial Estates
- PC5.** Preparation of Project Report, Selection of Best Business, Contents of Project Report
- PC6.** Discuss Women Entrepreneurship, Factors influencing Women Entrepreneur in India.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-304</i>	100	-	-	-
PC1. Describe Entrepreneurship – Meaning and Importance, Evolution of Term ‘Entrepreneurship’, Factors influencing entrepreneurship’, Types of Entrepreneurs.	-	-	-	-
PC2. Discuss about Entrepreneurial Motivation, Creativity, Steps in Creativity, Innovation, Skills of an Entrepreneur, Explanation about Decision making and problem solving	-	-	-	-
PC3. Introduction of Organization Assistance, Financial Assistance to MSME, Export Oriented Units	-	-	-	-
PC4. Introduction of KVIC, Industrial Estates	-	-	-	-
PC5. Preparation of Project Report, Selection of Best Business, Contents of Project Report	-	-	-	-
PC6. Discuss Women Entrepreneurship, Factors influencing Women Entrepreneur in India.	-	-	-	-
NOS Total	100	-	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1158
NOS Name	Entrepreneurship Development
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA



MSME/LSS/N1157: Advance Technology

Description

Describe new technology and modern systems relates to footwear designing, product development and manufacturing.

Scope

The scope covers the following :

- Describe new technology and modern systems relates to footwear designing, product development and manufacturing.

Elements and Performance Criteria

PGD-303

To be competent, the user/individual on the job must be able to:

- PC1.** Discuss modern cutting systems such as Tangential Knife, Laser Jet, Water Jet, rotating turret travelling head. Continuous cutting system. Concept of automatic sewing machines. Technical process of Molding and Vulcanizing.
- PC2.** Types of molding machines and the suitability for type of production. Modern lasting machinery. Automatic roughing and cementing machines and compare these to traditional methods.
- PC3.** Meaning of open & closed cast methods of molding. Process of polyurethane molding. Pattern engineering and grading with respect to hand and machine method.
- PC4.** Analyze International and national standardization in footwear manufacturing. Automation in Footwear manufacturing industry, Reverse engineering and prototype models. 3-D printing. On-line footwear shops. Use of computers in footwear business.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-303</i>	-	100	-	-
PC1. Discuss modern cutting systems such as Tangential Knife, Laser Jet, Water Jet, rotating turret travelling head. Continuous cutting system. Concept of automatic sewing machines. Technical process of Molding and Vulcanizing.	-	-	-	-
PC2. Types of molding machines and the suitability for type of production. Modern lasting machinery. Automatic roughing and cementing machines and compare these to traditional methods.	-	-	-	-
PC3. Meaning of open & closed cast methods of molding. Process of polyurethane molding. Pattern engineering and grading with respect to hand and machine method.	-	-	-	-
PC4. Analyze International and national standardization in footwear manufacturing. Automation in Footwear manufacturing industry, Reverse engineering and prototype models. 3-D printing. On-line footwear shops. Use of computers in footwear business.	-	-	-	-
NOS Total	-	100	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1157
NOS Name	Advance Technology
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	3
Version	1.0
Next Review Date	NA



MSME/LSS/N1156: Advance Technology

Description

Describe new technology and modern systems relates to footwear designing, product development and manufacturing.

Scope

The scope covers the following :

- Describe new technology and modern systems relates to footwear designing, product development and manufacturing.

Elements and Performance Criteria

PGD-303

To be competent, the user/individual on the job must be able to:

- PC1.** Discuss modern cutting systems such as Tangential Knife, Laser Jet, Water Jet, rotating turret travelling head. Continuous cutting system. Concept of automatic sewing machines. Technical process of Molding and Vulcanizing.
- PC2.** Types of molding machines and the suitability for type of production. Modern lasting machinery. Automatic roughing and cementing machines and compare these to traditional methods.
- PC3.** Meaning of open & closed cast methods of molding. Process of polyurethane molding. Pattern engineering and grading with respect to hand and machine method.
- PC4.** Analyze International and national standardization in footwear manufacturing. Automation in Footwear manufacturing industry, Reverse engineering and prototype models. 3-D printing. On-line footwear shops. Use of computers in footwear business.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-303</i>	100	-	-	-
PC1. Discuss modern cutting systems such as Tangential Knife, Laser Jet, Water Jet, rotating turret travelling head. Continuous cutting system. Concept of automatic sewing machines. Technical process of Molding and Vulcanizing.	-	-	-	-
PC2. Types of molding machines and the suitability for type of production. Modern lasting machinery. Automatic roughing and cementing machines and compare these to traditional methods.	-	-	-	-
PC3. Meaning of open & closed cast methods of molding. Process of polyurethane molding. Pattern engineering and grading with respect to hand and machine method.	-	-	-	-
PC4. Analyze International and national standardization in footwear manufacturing. Automation in Footwear manufacturing industry, Reverse engineering and prototype models. 3-D printing. On-line footwear shops. Use of computers in footwear business.	-	-	-	-
NOS Total	100	-	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1156
NOS Name	Advance Technology
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	3
Version	1.0
Next Review Date	NA



MSME/LSS/N1155: Material Science and Testing

Description

Describe types of material used in footwear manufacturing and different testing procedures.

Scope

The scope covers the following :

- Describe types of material used in footwear manufacturing and different testing procedures.

Elements and Performance Criteria

PGD-302

To be competent, the user/individual on the job must be able to:

- PC1.** List Out Components of the Footwear and their properties.
- PC2.** Describe Physical and Chemical Composition of Footwear Component materials.
- PC3.** Describe Identification of Different Footwear component Materials.
- PC4.** Describe Types of Testing and Quality
- PC5.** Classify Different Footwear Component Properties
- PC6.** Describe Various Tests for the particular Components with objective, ISO Name, Procedures, Calculation and results, Definition of The Properties, Testing Instruments, Sample and Sampling and Recommendation of Quality.
- PC7.** Describe advantages and Disadvantages of various Footwear Components materials.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-302</i>	-	100	-	-
PC1. List Out Components of the Footwear and their properties.	-	-	-	-
PC2. Describe Physical and Chemical Composition of Footwear Component materials.	-	-	-	-
PC3. Describe Identification of Different Footwear component Materials.	-	-	-	-
PC4. Describe Types of Testing and Quality	-	-	-	-
PC5. Classify Different Footwear Component Properties	-	-	-	-
PC6. Describe Various Tests for the particular Components with objective, ISO Name, Procedures, Calculation and results, Definition of The Properties, Testing Instruments, Sample and Sampling and Recommendation of Quality.	-	-	-	-
PC7. Describe advantages and Disadvantages of various Footwear Components materials.	-	-	-	-
NOS Total	-	100	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1155
NOS Name	Material Science and Testing
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	3
Version	1.0
Next Review Date	NA



MSME/LSS/N1154: Material Science and Testing

Description

Describe types of material used in footwear manufacturing and different testing procedures.

Scope

The scope covers the following :

- Describe types of material used in footwear manufacturing and different testing procedures.

Elements and Performance Criteria

PGD-302

To be competent, the user/individual on the job must be able to:

- PC1.** List Out Components of the Footwear and their properties.
- PC2.** Describe Physical and Chemical Composition of Footwear Component materials.
- PC3.** Describe Identification of Different Footwear component Materials.
- PC4.** Describe Types of Testing and Quality
- PC5.** Classify Different Footwear Component Properties
- PC6.** Describe Various Tests for the particular Components with objective, ISO Name, Procedures, Calculation and results, Definition of The Properties, Testing Instruments, Sample and Sampling and Recommendation of Quality.
- PC7.** Describe advantages and Disadvantages of various Footwear Components materials.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-302</i>	100	-	-	-
PC1. List Out Components of the Footwear and their properties.	-	-	-	-
PC2. Describe Physical and Chemical Composition of Footwear Component materials.	-	-	-	-
PC3. Describe Identification of Different Footwear component Materials.	-	-	-	-
PC4. Describe Types of Testing and Quality	-	-	-	-
PC5. Classify Different Footwear Component Properties	-	-	-	-
PC6. Describe Various Tests for the particular Components with objective, ISO Name, Procedures, Calculation and results, Definition of The Properties, Testing Instruments, Sample and Sampling and Recommendation of Quality.	-	-	-	-
PC7. Describe advantages and Disadvantages of various Footwear Components materials.	-	-	-	-
NOS Total	100	-	-	-



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1154
NOS Name	Material Science and Testing
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	3
Version	1.0
Next Review Date	NA



MSME/LSS/N1153: International Business and Communication

Description

Describe international business communication, and export regulations and practices related to footwear markets

Scope

The scope covers the following :

- Describe international business communication, and export regulations and practices related to footwear markets

Elements and Performance Criteria

PGD-301

To be competent, the user/individual on the job must be able to:

- PC1.** Understand Leather & Footwear Exports Introduction
- PC2.** Explain the trends in technology, fashion and market in the international business
- PC3.** Describe the elements in enhancing the business share in the international market
- PC4.** Explain INCO Terms in International Business.
- PC5.** Explain the export management procedure
- PC6.** List the export documentation requirements
- PC7.** Implement the export forms and procedure in simulated business activity
- PC8.** Explain the role of exchange rates in international business



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-301</i>	100	-	-	-
PC1. Understand Leather & Footwear Exports Introduction	-	-	-	-
PC2. Explain the trends in technology, fashion and market in the international business	-	-	-	-
PC3. Describe the elements in enhancing the business share in the international market	-	-	-	-
PC4. Explain INCO Terms in International Business.	-	-	-	-
PC5. Explain the export management procedure	-	-	-	-
PC6. List the export documentation requirements	-	-	-	-
PC7. Implement the export forms and procedure in simulated business activity	-	-	-	-
PC8. Explain the role of exchange rates in international business	-	-	-	-
NOS Total	100	-	-	-



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1153
NOS Name	International Business and Communication
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA



MSME/LSS/N1100: Marketing, Merchandising & Supply chain

Description

Describe Marketing merchandising, Trends and Supply chain practice in footwear markets.

Scope

The scope covers the following :

- Describe Marketing merchandising, Trends and Supply chain practice in footwear markets.

Elements and Performance Criteria

PGD-208

To be competent, the user/individual on the job must be able to:

- PC1.** Describe the marketing and market research
- PC2.** Explain the different factors and techniques of marketing
- PC3.** Develop the market survey proposal
- PC4.** Analyse FASHION MERCHANDISING- Global fashion markets and business fashion
- PC5.** Analyze the market trend and potential/demand in specific type of footwear business
- PC6.** Prepare the market mix /product mix in simulated activity



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-208</i>	-	100	-	-
PC1. Describe the marketing and market research	-	-	-	-
PC2. Explain the different factors and techniques of marketing	-	-	-	-
PC3. Develop the market survey proposal	-	-	-	-
PC4. Analyse FASHION MERCHANDISING- Global fashion markets and business fashion	-	-	-	-
PC5. Analyze the market trend and potential/demand in specific type of footwear business	-	-	-	-
PC6. Prepare the market mix /product mix in simulated activity	-	-	-	-
NOS Total	-	100	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1100
NOS Name	Marketing, Merchandising & Supply chain
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA



MSME/LSS/N1150: Marketing, Merchandising & Supply chain

Description

Describe Marketing merchandising, Trends and Supply chain practice in footwear markets.

Scope

The scope covers the following :

- Describe Marketing merchandising, Trends and Supply chain practice in footwear markets.

Elements and Performance Criteria

PGD-208

To be competent, the user/individual on the job must be able to:

- PC1.** Describe the marketing and market research
- PC2.** Explain the different factors and techniques of marketing
- PC3.** Develop the market survey proposal
- PC4.** Analyse FASHION MERCHANDISING- Global fashion markets and business fashion
- PC5.** Analyze the market trend and potential/demand in specific type of footwear business
- PC6.** Prepare the market mix /product mix in simulated activity



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-208</i>	100	-	-	-
PC1. Describe the marketing and market research	-	-	-	-
PC2. Explain the different factors and techniques of marketing	-	-	-	-
PC3. Develop the market survey proposal	-	-	-	-
PC4. Analyse FASHION MERCHANDISING- Global fashion markets and business fashion	-	-	-	-
PC5. Analyze the market trend and potential/demand in specific type of footwear business	-	-	-	-
PC6. Prepare the market mix /product mix in simulated activity	-	-	-	-
NOS Total	100	-	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1150
NOS Name	Marketing, Merchandising & Supply chain
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA



MSME/LSS/N1149: Standardization and Quality Control

Description

Describe acceptance quality level and parameters

Scope

The scope covers the following :

- Describe acceptance quality level and parameters

Elements and Performance Criteria

PGD-207

To be competent, the user/individual on the job must be able to:

- PC1.**
 - Describe the concept of quality in footwear
 - technology
- PC2.** Explain the benefits of Quality assurance systems
- PC3.**
 - Describe QA & operating cost. Audits and audit
 - trails to identify and eliminate non-conformances.
- PC4.**
 - Describe the role of policy at different levels in
 - quality control and assurance
- PC5.**
 - Able to explain Six Sigma Methodology and its
 - benefits
- PC6.**
 - Describe Lean Manufacturing and wastages in
 - Manufacturing Process



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-207</i>	-	100	-	-
PC1. • Describe the concept of quality in footwear • technology	-	-	-	-
PC2. Explain the benefits of Quality assurance systems	-	-	-	-
PC3. • Describe QA & operating cost. Audits and audit • trails to identify and eliminate non-conformances.	-	-	-	-
PC4. • Describe the role of policy at different levels in • quality control and assurance	-	-	-	-
PC5. • Able to explain Six Sigma Methodology and its • benefits	-	-	-	-
PC6. • Describe Lean Manufacturing and wastages in • Manufacturing Process	-	-	-	-
NOS Total	-	100	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1149
NOS Name	Standardization and Quality Control
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	3
Version	1.0
Next Review Date	NA



MSME/LSS/N1148: Standardization and Quality Control

Description

Describe acceptance quality level and parameters

Scope

The scope covers the following :

- Describe acceptance quality level and parameters

Elements and Performance Criteria

PGD-207

To be competent, the user/individual on the job must be able to:

- PC1.**
 - Describe the concept of quality in footwear
 - technology
- PC2.** Explain the benefits of Quality assurance systems
- PC3.**
 - Describe QA & operating cost. Audits and audit
 - trails to identify and eliminate non-conformances.
- PC4.**
 - Describe the role of policy at different levels in
 - quality control and assurance
- PC5.**
 - Able to explain Six Sigma Methodology and its
 - benefits
- PC6.**
 - Describe Lean Manufacturing and wastages in
 - Manufacturing Process



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-207</i>	100	-	-	-
PC1. • Describe the concept of quality in footwear • technology	-	-	-	-
PC2. Explain the benefits of Quality assurance systems	-	-	-	-
PC3. • Describe QA & operating cost. Audits and audit • trails to identify and eliminate non-conformances.	-	-	-	-
PC4. • Describe the role of policy at different levels in • quality control and assurance	-	-	-	-
PC5. • Able to explain Six Sigma Methodology and its • benefits	-	-	-	-
PC6. • Describe Lean Manufacturing and wastages in • Manufacturing Process	-	-	-	-
NOS Total	100	-	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1148
NOS Name	Standardization and Quality Control
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	3
Version	1.0
Next Review Date	NA



MSME/LSS/N1147: Machine Lasting with Advanced Technology

Description

To supervise the finishing and shoe room practice in lasting/bottom department.

Scope

The scope covers the following :

- To supervise the finishing and shoe room practice in lasting/bottom department.

Elements and Performance Criteria

PGD-206

To be competent, the user/individual on the job must be able to:

- PC1.**
- Analyze functions and processes of the shoe room,
 - their importance to sales appeal. Shoe room
 - operations and techniques - socking, cleaning, repairing, dressing, top spraying, trim attaching, quarter reforming, irons, inspection procedures,
 - boxing etc., for leather and non - leather materials.
 - Machine adjustments.
- PC2.**
- Discuss Fault identification, diagnoses of cause and
 - defects in work. Applications of, decorative
 - treatments, e.g. antique, shadow spray etc. final
 - examination and inspection procedures - quality
 - control packing and presentation techniques"
 - storage of boxed footwear to prevent ageing.
 - Recognize Statutory requirements: general, fire,
 - mechanical and electrical safe working conditions
 - in relation to the above



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-206</i>	-	100	-	-
<p>PC1.</p> <ul style="list-style-type: none"> Analyze functions and processes of the shoe room, their importance to sales appeal. Shoe room operations and techniques - socking, cleaning, repairing, dressing, top spraying, trim attaching, quarter reforming, irons, inspection procedures, boxing etc., for leather and non - leather materials. Machine adjustments. 	-	-	-	-
<p>PC2.</p> <ul style="list-style-type: none"> Discuss Fault identification, diagnoses of cause and defects in work. Applications of, decorative treatments, e.g. antique, shadow spray etc. final examination and inspection procedures - quality control packing and presentation techniques" storage of boxed footwear to prevent ageing. Recognize Statutory requirements: general, fire, mechanical and electrical safe working conditions in relation to the above 	-	-	-	-
NOS Total	-	100	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1147
NOS Name	Machine Lasting with Advanced Technology
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	3
Version	1.0
Next Review Date	NA



MSME/LSS/N1146: Machine Lasting with Advanced Technology

Description

To supervise the finishing and shoe room practice in lasting/bottom department.

Scope

The scope covers the following :

- To supervise the finishing and shoe room practice in lasting/bottom department.

Elements and Performance Criteria

PGD-206

To be competent, the user/individual on the job must be able to:

- PC1.**
- Analyze functions and processes of the shoe room,
 - their importance to sales appeal. Shoe room
 - operations and techniques - socking, cleaning, repairing, dressing, top spraying, trim attaching, quarter reforming, irons, inspection procedures,
 - boxing etc., for leather and non - leather materials.
 - Machine adjustments.
- PC2.**
- Discuss Fault identification, diagnoses of cause and
 - defects in work. Applications of, decorative
 - treatments, e.g. antique, shadow spray etc. final
 - examination and inspection procedures - quality
 - control packing and presentation techniques"
 - storage of boxed footwear to prevent ageing.
 - Recognize Statutory requirements: general, fire,
 - mechanical and electrical safe working conditions
 - in relation to the above



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-206</i>	100	-	-	-
<p>PC1.</p> <ul style="list-style-type: none"> Analyze functions and processes of the shoe room, their importance to sales appeal. Shoe room operations and techniques - socking, cleaning, repairing, dressing, top spraying, trim attaching, quarter reforming, irons, inspection procedures, boxing etc., for leather and non - leather materials. Machine adjustments. 	-	-	-	-
<p>PC2.</p> <ul style="list-style-type: none"> Discuss Fault identification, diagnoses of cause and defects in work. Applications of, decorative treatments, e.g. antique, shadow spray etc. final examination and inspection procedures - quality control packing and presentation techniques" storage of boxed footwear to prevent ageing. Recognize Statutory requirements: general, fire, mechanical and electrical safe working conditions in relation to the above 	-	-	-	-
NOS Total	100	-	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1146
NOS Name	Machine Lasting with Advanced Technology
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	3
Version	1.0
Next Review Date	NA



MSME/LSS/N1145: Advanced Closing Technology

Description

To supervise the production process in closing department and knowledge about different constructions and latest machines.

Scope

The scope covers the following :

- To supervise the production process in closing department and knowledge about different constructions and latest machines.

Elements and Performance Criteria

PGD-205

To be competent, the user/individual on the job must be able to:

- PC1.**
 - Various quality control check points in closing section.
- PC2.**
 - Measure and minor defects in upper their recovery and rejection
- PC3.**
 - Cost of recovery and rejection in closing section.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-205</i>	-	100	-	-
PC1. <ul style="list-style-type: none">• Various quality control check points in closing section.	-	-	-	-
PC2. <ul style="list-style-type: none">• Measure and minor defects in upper their• recovery and rejection	-	-	-	-
PC3. <ul style="list-style-type: none">• Cost of recovery and rejection in closing section.	-	-	-	-
NOS Total	-	100	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1145
NOS Name	Advanced Closing Technology
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA



MSME/LSS/N1144: Advanced Closing Technology

Description

To supervise the production process in closing department and knowledge about different constructions and latest machines.

Scope

The scope covers the following :

- To supervise the production process in closing department and knowledge about different constructions and latest machines.

Elements and Performance Criteria

PGD-205

To be competent, the user/individual on the job must be able to:

- PC1.**
 - Various quality control check points in closing section.
- PC2.**
 - Measure and minor defects in upper their recovery and rejection
- PC3.**
 - Cost of recovery and rejection in closing section.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-205</i>	100	-	-	-
PC1. <ul style="list-style-type: none">• Various quality control check points in closing section.	-	-	-	-
PC2. <ul style="list-style-type: none">• Measure and minor defects in upper their• recovery and rejection	-	-	-	-
PC3. <ul style="list-style-type: none">• Cost of recovery and rejection in closing section.	-	-	-	-
NOS Total	100	-	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1144
NOS Name	Advanced Closing Technology
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA



MSME/LSS/N1143: Clicking Technology

Description

Automates repetitive clicking tasks, ensuring speed, accuracy, and efficiency. It reduces errors, saves time, minimizes fatigue, and boosts overall productivity.

Scope

The scope covers the following :

- Automates repetitive clicking tasks, ensuring speed, accuracy, and efficiency. It reduces errors, saves time, minimizes fatigue, and boosts overall productivity.

Elements and Performance Criteria

PGD-204

To be competent, the user/individual on the job must be able to:

- PC1.**
 - Shorting, marking and preparation of cut components.
- PC2.**
 - Various health and safety measures in clicking section, Preparation of cost sheet, personal protective equipment's



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-204</i>	-	100	-	-
PC1. <ul style="list-style-type: none">Shorting, marking and preparation of cutcomponents.	-	-	-	-
PC2. <ul style="list-style-type: none">Various health and safety measures inclicking section, Preparation of cost sheet, personalprotective equipment's	-	-	-	-
NOS Total	-	100	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1143
NOS Name	Clicking Technology
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA



MSME/LSS/N1142: Clicking Technology

Description

Automates repetitive clicking tasks, ensuring speed, accuracy, and efficiency. It reduces errors, saves time, minimizes fatigue, and boosts overall productivity.

Scope

The scope covers the following :

- Automates repetitive clicking tasks, ensuring speed, accuracy, and efficiency. It reduces errors, saves time, minimizes fatigue, and boosts overall productivity.

Elements and Performance Criteria

PGD-204

To be competent, the user/individual on the job must be able to:

- PC1.**
 - Shorting, marking and preparation of cut components.
- PC2.**
 - Various health and safety measures in clicking section, Preparation of cost sheet, personal protective equipment's



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-204</i>	100	-	-	-
PC1. <ul style="list-style-type: none">• Shorting, marking and preparation of cut• components.	-	-	-	-
PC2. <ul style="list-style-type: none">• Various health and safety measures in• clicking section, Preparation of cost sheet, personal• protective equipment's	-	-	-	-
NOS Total	100	-	-	-



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1142
NOS Name	Clicking Technology
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA



MSME/LSS/N1141: Finance, Estimate and Costing

Description

Describe Financial estimate and costing, budgetary control system, cost analysis, balance sheet, income and expenditure

Scope

The scope covers the following :

- Describe Financial estimate and costing, budgetary control system, cost analysis, balance sheet, income and expenditure

Elements and Performance Criteria

PGD-203

To be competent, the user/individual on the job must be able to:

- PC1.** • Explain the Concept of finance and finance management.
- PC2.** • Describe the measures to be taken to optimize the costing of production and product
- PC3.** Explain different elements of costing
- PC4.** Estimate the Cost of Footwear
- PC5.** • Calculate the optimum size of production for optimum cost
- PC6.** • Apply the concept of budgetary control in business environment
- PC7.** • Explain the role of policy formulation at different stages for financial management and budgetary control
- PC8.** • Analyze balance sheet and Prepare budget requirements monthly, weekly, yearly



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-203</i>	100	-	-	-
PC1. • Explain the Concept of finance and finance management.	-	-	-	-
PC2. • Describe the measures to be taken to optimize the • costing of production and product	-	-	-	-
PC3. Explain different elements of costing	-	-	-	-
PC4. Estimate the Cost of Footwear	-	-	-	-
PC5. • Calculate the optimum size of production for • optimum cost	-	-	-	-
PC6. • Apply the concept of budgetary control in business • environment	-	-	-	-
PC7. • Explain the role of policy formulation at different • stages for financial management and budgetary control	-	-	-	-
PC8. • Analyze balance sheet and Prepare budget requirements monthly, weekly, yearly	-	-	-	-
NOS Total	100	-	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1141
NOS Name	Finance, Estimate and Costing
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA



MSME/LSS/N1140: Computer Added Footwear Design (CAD)

Description

To possess knowledge and skills to work in SHOE CAD and pattern engineering.

Scope

The scope covers the following :

- To possess knowledge and skills to work in SHOE CAD and pattern engineering.

Elements and Performance Criteria

PGD-202

To be competent, the user/individual on the job must be able to:

- PC1.** • Define Pattern engineering (pattern cutting)
• and grading.
- PC2.** • Illustrate smoothening, splitting and
• merging of lines; drawing parallel and
• perpendicular lines, measuring of lines and areas.
• Windowing, scaling, moving, rotating, reflection
• etc. Allowances, Pattern nesting, Pattern grading,
• Size systems, Cutting-out graded pattern etc.
- PC3.** • Use Digitization - 2-D software, 3-D
• digitization, Scanning, Digitization, 3-D to 2-D to
• 3-D, Styling -2-D and 3-D design sketches,
• styling from photographs and video, Color
• selection and mixing in different styles and
• construction.
- PC4.** • Prepare Graphics program functions Windowing, clipping, copying, duplicating,
• cutting, pasting, trimming, Practice 2-D and 3-
• D solids modeling



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-202</i>	-	100	-	-
PC1. <ul style="list-style-type: none"> Define Pattern engineering (pattern cutting) and grading. 	-	-	-	-
PC2. <ul style="list-style-type: none"> Illustrate smoothening, splitting and merging of lines; drawing parallel and perpendicular lines, measuring of lines and areas. Windowing, scaling, moving, rotating, reflection etc. Allowances, Pattern nesting, Pattern grading, Size systems, Cutting-out graded pattern etc. 	-	-	-	-
PC3. <ul style="list-style-type: none"> Use Digitization - 2-D software, 3-D digitization, Scanning, Digitization, 3-D to 2-D to 3-D, Styling -2-D and 3-D design sketches, styling from photographs and video, Color selection and mixing in different styles and construction. 	-	-	-	-
PC4. <ul style="list-style-type: none"> Prepare Graphics program functions Windowing, clipping, copying, duplicating, cutting, pasting, trimming, Practice 2-D and 3-D solids modeling 	-	-	-	-
NOS Total	-	100	-	-



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1140
NOS Name	Computer Added Footwear Design (CAD)
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA



MSME/LSS/N1139: Computer Added Footwear Design (CAD)

Description

To possess knowledge and skills to work in SHOE CAD and pattern engineering.

Scope

The scope covers the following :

- To possess knowledge and skills to work in SHOE CAD and pattern engineering.

Elements and Performance Criteria

PGD-202

To be competent, the user/individual on the job must be able to:

- PC1.** • Define Pattern engineering (pattern cutting)
• and grading.
- PC2.** • Illustrate smoothening, splitting and
• merging of lines; drawing parallel and
• perpendicular lines, measuring of lines and areas.
• Windowing, scaling, moving, rotating, reflection
• etc. Allowances, Pattern nesting, Pattern grading,
• Size systems, Cutting-out graded pattern etc.
- PC3.** • Use Digitization - 2-D software, 3-D
• digitization, Scanning, Digitization, 3-D to 2-D to
• 3-D, Styling -2-D and 3-D design sketches,
• styling from photographs and video, Color
• selection and mixing in different styles and
• construction.
- PC4.** • Prepare Graphics program functions Windowing, clipping, copying, duplicating,
• cutting, pasting, trimming, Practice 2-D and 3-
• D solids modeling



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-202</i>	100	-	-	-
PC1. <ul style="list-style-type: none"> • Define Pattern engineering (pattern cutting) and grading. 	-	-	-	-
PC2. <ul style="list-style-type: none"> • Illustrate smoothening, splitting and merging of lines; drawing parallel and perpendicular lines, measuring of lines and areas. • Windowing, scaling, moving, rotating, reflection • etc. Allowances, Pattern nesting, Pattern grading, • Size systems, Cutting-out graded pattern etc. 	-	-	-	-
PC3. <ul style="list-style-type: none"> • Use Digitization - 2-D software, 3-D digitization, Scanning, Digitization, 3-D to 2-D to • 3-D, Styling -2-D and 3-D design sketches, styling from photographs and video, Color selection and mixing in different styles and construction. 	-	-	-	-
PC4. <ul style="list-style-type: none"> • Prepare Graphics program functions Windowing, clipping, copying, duplicating, • cutting, pasting, trimming, Practice 2-D and 3- • D solids modeling 	-	-	-	-
NOS Total	100	-	-	-



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1139
NOS Name	Computer Added Footwear Design (CAD)
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA



MSME/LSS/N1138: Patterns Cutting Engg. For Product Development

Description

To possess knowledge about designing and pattern cutting for product by using advanced techniques and machinery

Scope

The scope covers the following :

- To possess knowledge about designing and pattern cutting for product by using advanced techniques and machinery

Elements and Performance Criteria

PGD-201

To be competent, the user/individual on the job must be able to:

- PC1.**
 - Part of last, anatomy of last, last parameter and their measurement.
- PC2.**
 - Measurement of foot parameters for foot survey.
- PC3.** Foot anatomy, last anatomy and size system.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-201</i>	-	100	-	-
PC1. <ul style="list-style-type: none">• Part of last, anatomy of last, last parameter• and their measurement.	-	-	-	-
PC2. <ul style="list-style-type: none">• Measurement of foot parameters for foot• survey.	-	-	-	-
PC3. Foot anatomy, last anatomy and size system.	-	-	-	-
NOS Total	-	100	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1138
NOS Name	Patterns Cutting Engg. For Product Development
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA



MSME/LSS/N1137: Patterns Cutting Engg. For Product Development

Description

To possess knowledge about designing and pattern cutting for product by using advanced techniques and machinery

Scope

The scope covers the following :

- To possess knowledge about designing and pattern cutting for product by using advanced techniques and machinery

Elements and Performance Criteria

PGD-201

To be competent, the user/individual on the job must be able to:

- PC1.** • Part of last, anatomy of last, last parameter
 • and their measurement.
- PC2.** • Measurement of foot parameters for foot
 • survey.
- PC3.** Foot anatomy, last anatomy and size system.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-201</i>	100	-	-	-
PC1. <ul style="list-style-type: none">• Part of last, anatomy of last, last parameter• and their measurement.	-	-	-	-
PC2. <ul style="list-style-type: none">• Measurement of foot parameters for foot• survey.	-	-	-	-
PC3. Foot anatomy, last anatomy and size system.	-	-	-	-
NOS Total	100	-	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1137
NOS Name	Patterns Cutting Engg. For Product Development
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA



MSME/LSS/N1136: Industrial Management and Safety

Description

Management principles, productivity, planning, workflow, wages, incentives, and safety practices to ensure efficient, organized, and secure industrial operations.

Scope

The scope covers the following :

- Management principles, productivity, planning, workflow, wages, incentives, and safety practices to ensure efficient, organized, and secure industrial operations.

Elements and Performance Criteria

PGD-106

To be competent, the user/individual on the job must be able to:

- PC1.**
- Meaning & theories of management (Taylor & Fayol).
 - Functions of management.
 - Forms of business organization & ownership.
 - Organizational structures.
 - Types of wages & incentives.
 - Financial, non-financial & semi-financial incentives.
 - Productivity, objectives & factors.
 - Work study, method study & work measurement.
 - Recording techniques & standard time calculation.
 - Production planning & control.
- PC2.**
- Importance of industrial safety.
 - Meaning of factory & accident terms.
 - Frequency, severity & incidence rates.
 - Accident proneness & unsafe acts/conditions.
 - Job safety analysis & inspections.
 - Industrial safety policy.
 - Accident factors: mechanical, environmental, personal.
 - Hazards & risk types.
 - First aid (DRABC).
 - Fire types, extinguishers & PPE use.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-106</i>	100	-	-	-
PC1. <ul style="list-style-type: none"> • Meaning & theories of management (Taylor & Fayol). • Functions of management. • Forms of business organization & ownership. • Organizational structures. • Types of wages & incentives. • Financial, non-financial & semi-financial incentives. • Productivity, objectives & factors. • Work study, method study & work measurement. • Recording techniques & standard time calculation. • Production planning & control. 	-	-	-	-
PC2. <ul style="list-style-type: none"> • Importance of industrial safety. • Meaning of factory & accident terms. • Frequency, severity & incidence rates. • Accident proneness & unsafe acts/conditions. • Job safety analysis & inspections. • Industrial safety policy. • Accident factors: mechanical, environmental, personal. • Hazards & risk types. • First aid (DRABC). • Fire types, extinguishers & PPE use. 	-	-	-	-
NOS Total	100	-	-	-



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1136
NOS Name	Industrial Management and Safety
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	3
Version	1.0
Next Review Date	NA



MSME/LSS/N1135: Lasting and Making Technology

Description

To supervise and plan the production process of different construction in the lasting/bottom department by using the latest technologies

Scope

The scope covers the following :

- To supervise and plan the production process of different construction in the lasting/bottom department by using the latest technologies

Elements and Performance Criteria

PGD-105

To be competent, the user/individual on the job must be able to:

- PC1.**
- □Types and uses of toe-puffs and stiffeners and methods of attachments.
 - □Methods of conditioning of uppers and components.
 - □Plan Lasting and bottoming methods for different types of construction in general use.
 - □Perform Healing processes, including heel building and heel finishing, covering Systems and methods of heel attachment.
 - □Various Systems of transportation and their management.
 - □Head setting effects, hot-melt adhesive usage, and lasting faults impacting later operations.
- PC2.**
- □Various points of techniques and process for sole attachment.
 - □Elaborate Composition, characteristics and uses of insole and soling materials for different constructions.
 - □Discuss Machine cutting, direct/caster and planet and rounding operations.
 - □Assembly and storage of lasts and components.
 - □Standardization and stamping of components.
 - □Thickness adjustment, identification of shank & insole assemblies, with effective workflow and material control.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-105</i>	-	100	-	-
<p>PC1.</p> <ul style="list-style-type: none"> Types and uses of toe-puffs and stiffeners and methods of attachments. Methods of conditioning of uppers and components. Plan Lasting and bottoming methods for different types of construction in general use. Perform Healing processes, including heel building and heel finishing, covering Systems and methods of heel attachment. Various Systems of transportation and their management. Head setting effects, hot-melt adhesive usage, and lasting faults impacting later operations. 	-	-	-	-
<p>PC2.</p> <ul style="list-style-type: none"> Various points of techniques and process for sole attachment. Elaborate Composition, characteristics and uses of insole and soling materials for different constructions. Discuss Machine cutting, direct/caster and planet and rounding operations. Assembly and storage of lasts and components. Standardization and stamping of components. Thickness adjustment, identification of shank & insole assemblies, with effective workflow and material control. 	-	-	-	-
NOS Total	-	100	-	-



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1135
NOS Name	Lasting and Making Technology
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	4
Version	1.0
Next Review Date	NA



MSME/LSS/N1134: Lasting and Making Technology

Description

To supervise and plan the production process of different construction in the lasting/bottom department by using the latest technologies

Scope

The scope covers the following :

- To supervise and plan the production process of different construction in the lasting/bottom department by using the latest technologies

Elements and Performance Criteria

PGD-105

To be competent, the user/individual on the job must be able to:

- PC1.**
- □Types and uses of toe-puffs and stiffeners and methods of attachments.
 - □Methods of conditioning of uppers and components.
 - □Plan Lasting and bottoming methods for different types of construction in general use.
 - □Perform Healing processes, including heel building and heel finishing, covering Systems and methods of heel attachment.
 - □Various Systems of transportation and their management.
 - □Head setting effects, hot-melt adhesive usage, and lasting faults impacting later operations.
- PC2.**
- □Various points of techniques and process for sole attachment.
 - □Elaborate Composition, characteristics and uses of insole and soling materials for different constructions.
 - □Discuss Machine cutting, direct/caster and planet and rounding operations.
 - □Assembly and storage of lasts and components.
 - □Standardization and stamping of components.
 - □Thickness adjustment, identification of shank & insole assemblies, with effective workflow and material control.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-105</i>	100	-	-	-
<p>PC1.</p> <ul style="list-style-type: none"> • □Types and uses of toe-puffs and stiffeners and methods of attachments. • □Methods of conditioning of uppers and components. • □Plan Lasting and bottoming methods for different types of construction in general use. • □Perform Healing processes, including heel building and heel finishing, covering Systems and methods of heel attachment. • □Various Systems of transportation and their management. • □Head setting effects, hot-melt adhesive usage, and lasting faults impacting later operations. 	-	-	-	-
<p>PC2.</p> <ul style="list-style-type: none"> • □Various points of techniques and process for sole attachment. • □Elaborate Composition, characteristics and uses of insole and soling materials for different constructions. • □Discuss Machine cutting, direct/caster and planet and rounding operations. • □Assembly and storage of lasts and components. • □Standardization and stamping of components. • □Thickness adjustment, identification of shank & insole assemblies, with effective workflow and material control. 	-	-	-	-
NOS Total	100	-	-	-



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1134
NOS Name	Lasting and Making Technology
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	4
Version	1.0
Next Review Date	NA



MSME/LSS/N1133: Basic Closing Technology

Description

Develop knowledge and skills in assembling of footwear components by using advanced machinery

Scope

The scope covers the following :

- Develop knowledge and skills in assembling of footwear components by using advanced machinery

Elements and Performance Criteria

PGD-104

To be competent, the user/individual on the job must be able to:

- PC1.**
- Discuss basic and special stitching machines.
 - ☐ Elaborate operational sequence for Skiving, backing, stitch marking, perforation, folding and ancillary machinery like for basic styles.
 - ☐ Different methods of upper reinforcements, edge and decorative treatments.
 - ☐ Various types of seams. Welding treatment for upper assembly, decoration and ornaments.
- PC2.**
- Classification of Needles and threads: Types, sizes, selection, classification, relationship, application to Work
- PC3.**
- Discuss Jig assembly of upper components.
 - ☐ Identify Automatic and semi-automatic equipment for upper processing.
 - ☐ Discuss Upper shaping by forming equipment/blocking machine
- PC4.**
- Plan departmental management of workload like types and advantages of transporter systems, Random and final inspection.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-104</i>	-	100	-	-
<p>PC1.</p> <ul style="list-style-type: none"> • Discuss basic and special stitching machines. • ☐ Elaborate operational sequence for Skiving, • backing, stitch marking, perforation, folding and • ancillary machinery like for basic styles. • ☐ Different methods of upper reinforcements, edge • and decorative treatments. • ☐ Various types of seams. Welding treatment for • upper assembly, decoration and ornaments. 	-	-	-	-
<p>PC2.</p> <ul style="list-style-type: none"> • Classification of Needles and threads: Types, • sizes, selection, classification, relationship, application • to Work 	-	-	-	-
<p>PC3.</p> <ul style="list-style-type: none"> • Discuss Jig assembly of upper components. • ☐ Identify Automatic and semi-automatic equipment for upper processing. • ☐ Discuss Upper shaping by forming • equipment/blocking machine 	-	-	-	-
<p>PC4.</p> <ul style="list-style-type: none"> • Plan departmental management of workload like • types and advantages of transporter systems, Random • and final inspection. 	-	-	-	-
NOS Total	-	100	-	-



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1133
NOS Name	Basic Closing Technology
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	4
Version	1.0
Next Review Date	NA



MSME/LSS/N1132: Basic Closing Technology

Description

Develop knowledge and skills in assembling of footwear components by using advanced machinery

Scope

The scope covers the following :

- Develop
- knowledge and skills in
- assembling of footwear
- components by using advanced
- machinery

Elements and Performance Criteria

PGD-104

To be competent, the user/individual on the job must be able to:

- PC1.**
- Discuss basic and special stitching machines.
 - Elaborate operational sequence for Skiving, backing, stitch marking, perforation, folding and ancillary machinery like for basic styles.
 - Different methods of upper reinforcements, edge and decorative treatments.
 - Various types of seams. Welding treatment for upper assembly, decoration and ornaments.
- PC2.**
- Classification of Needles and threads: Types, sizes, selection, classification, relationship, application to Work
- PC3.**
- Discuss Jig assembly of upper components.
 - Identify Automatic and semi-automatic equipment for upper processing.
 - Discuss Upper shaping by forming equipment/blocking machine
- PC4.**
- Plan departmental management of workload like types and advantages of transporter systems, Random and final inspection.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-104</i>	100	-	-	-
<p>PC1.</p> <ul style="list-style-type: none"> • Discuss basic and special stitching machines. • <input type="checkbox"/> Elaborate operational sequence for Skiving, • backing, stitch marking, perforation, folding and • ancillary machinery like for basic styles. • <input type="checkbox"/> Different methods of upper reinforcements, edge • and decorative treatments. • <input type="checkbox"/> Various types of seams. Welding treatment for • upper assembly, decoration and ornaments. 	-	-	-	-
<p>PC2.</p> <ul style="list-style-type: none"> • Classification of Needles and threads: Types, • sizes, selection, classification, relationship, application • to Work 	-	-	-	-
<p>PC3.</p> <ul style="list-style-type: none"> • Discuss Jig assembly of upper components. • <input type="checkbox"/> Identify Automatic and semi-automatic equipment for upper processing. • <input type="checkbox"/> Discuss Upper shaping by forming • equipment/blocking machine 	-	-	-	-
<p>PC4.</p> <ul style="list-style-type: none"> • Plan departmental management of workload like • types and advantages of transporter systems, Random • and final inspection. 	-	-	-	-
NOS Total	100	-	-	-



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1132
NOS Name	Basic Closing Technology
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	4
Version	1.0
Next Review Date	NA



MSME/LSS/N1131: Basic Cutting Technology

Description

Develop knowledge and skills for material cutting and costing to prepare components of footwear

Scope

The scope covers the following :

- Develop
- knowledge and skills for
- material cutting and costing to
- prepare components of footwear

Elements and Performance Criteria

PGD-103

To be competent, the user/individual on the job must be able to:

- PC1.** • Various selection methods for upper materials,
 - grading of materials and material identification for
 - upper, lining, reinforcement and other footwear
 - components.
- PC2.** • Identification of recoverable and non-recoverable
 - defects, material cuttability and selection of cutting
 - tools.
- PC3.** • Discuss Machines for cutting and related
 - equipment and dies.
- PC4.** Illustrate various material wastes and its causes.
- PC5.** • Define Pattern layout on plain materials, Pattern
 - layout on patterned materials and Pattern layout on
 - fabric materials.
- PC6.** • Discuss Characteristics of leather for footwear
 - upper components.
- PC7.** • Brief leather material quality variations in relation
 - to different parts of the skin/ hide (stretch - resistance -
 - color - grain - texture).
- PC8.** List upper components {vamp - quarters - insideoutside etc.}



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-103</i>	-	100	-	-
PC1. <ul style="list-style-type: none"> • Various selection methods for upper materials, • grading of materials and material identification for • upper, lining, reinforcement and other footwear • components. 	-	-	-	-
PC2. <ul style="list-style-type: none"> • Identification of recoverable and non-recoverable • defects, material cuttability and selection of cutting • tools. 	-	-	-	-
PC3. <ul style="list-style-type: none"> • Discuss Machines for cutting and related • equipment and dies. 	-	-	-	-
PC4. Illustrate various material wastes and its causes.	-	-	-	-
PC5. <ul style="list-style-type: none"> • Define Pattern layout on plain materials, Pattern • layout on patterned materials and Pattern layout on • fabric materials. 	-	-	-	-
PC6. <ul style="list-style-type: none"> • Discuss Characteristics of leather for footwear • upper components. 	-	-	-	-
PC7. <ul style="list-style-type: none"> • Brief leather material quality variations in relation • to different parts of the skin/ hide (stretch - resistance - • color - grain - texture). 	-	-	-	-
PC8. List upper components {vamp - quarters - insideoutside etc.}	-	-	-	-
NOS Total	-	100	-	-



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1131
NOS Name	Basic Cutting Technology
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	4
Version	1.0
Next Review Date	NA



MSME/LSS/N1130: Basic Cutting Technology

Description

Develop knowledge and skills for material cutting and costing to prepare components of footwear

Scope

The scope covers the following :

- Develop
- knowledge and skills for
- material cutting and costing to
- prepare components of footwear

Elements and Performance Criteria

PGD-103

To be competent, the user/individual on the job must be able to:

- PC1.** • Various selection methods for upper materials,
 - grading of materials and material identification for
 - upper, lining, reinforcement and other footwear
 - components.
- PC2.** • Identification of recoverable and non-recoverable
 - defects, material cuttability and selection of cutting
 - tools.
- PC3.** • Discuss Machines for cutting and related
 - equipment and dies.
- PC4.** Illustrate various material wastes and its causes.
- PC5.** • Define Pattern layout on plain materials, Pattern
 - layout on patterned materials and Pattern layout on
 - fabric materials.
- PC6.** • Discuss Characteristics of leather for footwear
 - upper components.
- PC7.** • Brief leather material quality variations in relation
 - to different parts of the skin/ hide (stretch - resistance -
 - color - grain - texture).
- PC8.** List upper components {vamp - quarters - insideoutside etc.}



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-103</i>	100	-	-	-
PC1. <ul style="list-style-type: none"> • Various selection methods for upper materials, • grading of materials and material identification for • upper, lining, reinforcement and other footwear • components. 	-	-	-	-
PC2. <ul style="list-style-type: none"> • Identification of recoverable and non-recoverable • defects, material cuttability and selection of cutting • tools. 	-	-	-	-
PC3. <ul style="list-style-type: none"> • Discuss Machines for cutting and related • equipment and dies. 	-	-	-	-
PC4. Illustrate various material wastes and its causes.	-	-	-	-
PC5. <ul style="list-style-type: none"> • Define Pattern layout on plain materials, Pattern • layout on patterned materials and Pattern layout on • fabric materials. 	-	-	-	-
PC6. <ul style="list-style-type: none"> • Discuss Characteristics of leather for footwear • upper components. 	-	-	-	-
PC7. <ul style="list-style-type: none"> • Brief leather material quality variations in relation • to different parts of the skin/ hide (stretch - resistance - • color - grain - texture). 	-	-	-	-
PC8. List upper components {vamp - quarters - insideoutside etc.}	-	-	-	-
NOS Total	100	-	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1130
NOS Name	Basic Cutting Technology
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	4
Version	1.0
Next Review Date	NA



MSME/LSS/N1129: Designing and Pattern Cutting III

Description

Identify customers requirement and create Conceptual footwear Design and cut the patterns accordingly

Scope

The scope covers the following :

- Identify customers
- requirement and create
- Conceptual footwear Design and
- cut the patterns accordingly

Elements and Performance Criteria

PGD-102

To be competent, the user/individual on the job must be able to:

- PC1.**
 - Discuss Fashion Design Elements and their
 - application in footwear design.
- PC2.**
 - Concept of Graphic Presentation of foot and last
 - Various views and measurements of foot and last
- PC3.** Various methods of pattern cutting
- PC4.**
 - Discuss pattern cutting Techniques for bottom
 - components and other specialized methods
- PC5.**
 - Various steps of design of products for problem
 - solving in technology.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-102</i>	-	100	-	-
PC1. <ul style="list-style-type: none">• Discuss Fashion Design Elements and their• application in footwear design.	-	-	-	-
PC2. <ul style="list-style-type: none">• Concept of Graphic Presentation of foot and last• Various views and measurements of foot and last	-	-	-	-
PC3. Various methods of pattern cutting	-	-	-	-
PC4. <ul style="list-style-type: none">• Discuss pattern cutting Techniques for bottom• components and other specialized methods	-	-	-	-
PC5. <ul style="list-style-type: none">• Various steps of design of products for problem• solving in technology.	-	-	-	-
NOS Total	-	100	-	-



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1129
NOS Name	Designing and Pattern Cutting III
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	4
Version	1.0
Next Review Date	NA



MSME/LSS/N1128: Designing and Pattern Cutting II

Description

Identify customers requirement and create Conceptual footwear Design and cut the patterns accordingly

Scope

The scope covers the following :

- Identify customers
- requirement and create
- Conceptual footwear Design and
- cut the patterns accordingly

Elements and Performance Criteria

PGD-102

To be competent, the user/individual on the job must be able to:

- PC1.**
 - Discuss Fashion Design Elements and their
 - application in footwear design.
- PC2.**
 - Concept of Graphic Presentation of foot and last
 - Various views and measurements of foot and last
- PC3.** Various methods of pattern cutting
- PC4.**
 - Discuss pattern cutting Techniques for bottom
 - components and other specialized methods
- PC5.**
 - Various steps of design of products for problem
 - solving in technology.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-102</i>	100	-	-	-
PC1. <ul style="list-style-type: none"> • Discuss Fashion Design Elements and their • application in footwear design. 	-	-	-	-
PC2. <ul style="list-style-type: none"> • Concept of Graphic Presentation of foot and last • Various views and measurements of foot and last 	-	-	-	-
PC3. Various methods of pattern cutting	-	-	-	-
PC4. <ul style="list-style-type: none"> • Discuss pattern cutting Techniques for bottom • components and other specialized methods 	-	-	-	-
PC5. <ul style="list-style-type: none"> • Various steps of design of products for problem • solving in technology. 	-	-	-	-
NOS Total	100	-	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1128
NOS Name	Designing and Pattern Cutting II
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	4
Version	1.0
Next Review Date	NA



MSME/LSS/N1127: Art and Sketching II

Description

Develop knowledge and skills in footwear sketching/Art and Sketching

Scope

The scope covers the following :

- Develop
- knowledge and skills in
- footwear sketching/Art and
- Sketching

Elements and Performance Criteria

PGD-101

To be competent, the user/individual on the job must be able to:

- PC1.** • Footwear Sketches: fashion style and shapes,
• various types of shoes, exploded view of popular shoes,
• various types of shoes and shoe last templates.
- PC2.** • Footwear Sketches: fashion style and shapes,
• various types of shoes, exploded view of popular shoes,
• various types of shoes and shoe last templates.
- PC3.** • Elements of art and fashion, fashion cycle, fashion
• forecasting and fashion market trend
- PC4.** • Elements of fashion esthetics viz. color, texture,
• retheme, proportion and balance etc.
- PC5.** • Creation of new style, modification of basic
• styles.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-101</i>	-	100	-	-
PC1. <ul style="list-style-type: none"> • Footwear Sketches: fashion style and shapes, • various types of shoes, exploded view of popular shoes, • various types of shoes and shoe last templates. 	-	-	-	-
PC2. <ul style="list-style-type: none"> • Footwear Sketches: fashion style and shapes, • various types of shoes, exploded view of popular shoes, • various types of shoes and shoe last templates. 	-	-	-	-
PC3. <ul style="list-style-type: none"> • Elements of art and fashion, fashion cycle, fashion • forecasting and fashion market trend 	-	-	-	-
PC4. <ul style="list-style-type: none"> • Elements of fashion esthetics viz. color, texture, • retheme, proportion and balance etc. 	-	-	-	-
PC5. <ul style="list-style-type: none"> • Creation of new style, modification of basic • styles. 	-	-	-	-
NOS Total	-	100	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1127
NOS Name	Art and Sketching II
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	1
Version	1.0
Next Review Date	NA



MSME/LSS/N1126: Art and Sketching I

Description

Develop knowledge and skills in footwear sketching/Art and Sketching

Scope

The scope covers the following :

- Develop
- knowledge and skills in
- footwear sketching/Art and
- Sketching

Elements and Performance Criteria

PGD-101

To be competent, the user/individual on the job must be able to:

- PC1.** • Footwear Sketches: fashion style and shapes,
 - various types of shoes, exploded view of popular shoes,
 - various types of shoes and shoe last templates.
- PC2.** • Footwear Sketches: fashion style and shapes,
 - various types of shoes, exploded view of popular shoes,
 - various types of shoes and shoe last templates.
- PC3.** • Elements of art and fashion, fashion cycle, fashion
 - forecasting and fashion market trend
- PC4.** • Elements of fashion esthetics viz. color, texture,
 - retheme, proportion and balance etc.
- PC5.** • Creation of new style, modification of basic
 - styles.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-101</i>	100	-	-	-
PC1. <ul style="list-style-type: none"> • Footwear Sketches: fashion style and shapes, • various types of shoes, exploded view of popular shoes, • various types of shoes and shoe last templates. 	-	-	-	-
PC2. <ul style="list-style-type: none"> • Footwear Sketches: fashion style and shapes, • various types of shoes, exploded view of popular shoes, • various types of shoes and shoe last templates. 	-	-	-	-
PC3. <ul style="list-style-type: none"> • Elements of art and fashion, fashion cycle, fashion • forecasting and fashion market trend 	-	-	-	-
PC4. <ul style="list-style-type: none"> • Elements of fashion esthetics viz. color, texture, • retheme, proportion and balance etc. 	-	-	-	-
PC5. <ul style="list-style-type: none"> • Creation of new style, modification of basic • styles. 	-	-	-	-
NOS Total	100	-	-	-



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1126
NOS Name	Art and Sketching I
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	1
Version	1.0
Next Review Date	NA



MSME/LSS/N1159: Employability Skills 1.1

Description

Employability skills are standards that define key workplace abilities like communication, teamwork, problem-solving, and professionalism to enhance job readiness and performance.

Scope

The scope covers the following :

- employability skills are standards that define key workplace abilities like communication, teamwork, problem-solving, and professionalism to enhance job readiness and performance.

Elements and Performance Criteria

PGD-306

To be competent, the user/individual on the job must be able to:

PC1. Explain the major applications of MS Office

PC2. Understand the Importance of English

PC3. Explain team work, group work, team formation process

PC4. Understand Customer Behavior and Communication with customers



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-306</i>	100	-	-	-
PC1. Explain the major applications of MS Office	-	-	-	-
PC2. Understand the Importance of English	-	-	-	-
PC3. Explain team work, group work, team formation process	-	-	-	-
PC4. Understand Customer Behavior and Communication with customers	-	-	-	-
NOS Total	100	-	-	-



Qualification Pack



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1159
NOS Name	Employability Skills 1.1
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA



MSME/LSS/N1152: Employability skills 1

Description

Employability skills are standards that define key workplace abilities like communication, teamwork, problem-solving, and professionalism to enhance job readiness and performance.

Scope

The scope covers the following :

- employability skills are standards that define key workplace abilities like communication, teamwork, problem-solving, and professionalism to enhance job readiness and performance.

Elements and Performance Criteria

PGD-209

To be competent, the user/individual on the job must be able to:

- PC1.** Describe Interpret & use formal and technical communication.
- PC2.** Develop and Utilize Time Management Strategies
- PC3.** Understand the Importance of Team
- PC4.** Become Self Confident individuals by Mastering Interpersonal Skills, Team Management Skills and Leadership Skills.
- PC5.** Understand Self-Management, Self Awareness and Self-Motivation
- PC6.** Improve Green Skills, values needed to live in a sustainable society and environment.



Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>PGD-209</i>	100	-	-	-
PC1. Describe Interpret & use formal and technical communication.	-	-	-	-
PC2. Develop and Utilize Time Management Strategies	-	-	-	-
PC3. Understand the Importance of Team	-	-	-	-
PC4. Become Self Confident individuals by Mastering Interpersonal Skills, Team Management Skills and Leadership Skills.	-	-	-	-
PC5. Understand Self-Management, Self Awareness and Self-Motivation	-	-	-	-
PC6. Improve Green Skills, values needed to live in a sustainable society and environment.	-	-	-	-
NOS Total	100	-	-	-



National Occupational Standards (NOS) Parameters

NOS Code	MSME/LSS/N1152
NOS Name	Employability skills 1
Sector	Leather
Sub-Sector	
Occupation	Footwear Designing & Manufacturing
NSQF Level	6
Credits	2
Version	1.0
Next Review Date	NA

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

AS PER QP

Minimum Aggregate Passing % at QP Level : 40

(Please note: Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
MSME/LSS/N1160.FINAL PROJECT	0	0	0	100	100	3
MSME/LSS/N1158.Entrepreneurship Development	100	-	-	-	100	3
MSME/LSS/N1157.Advance Technology	0	100	0	0	100	3



Qualification Pack



National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
MSME/LSS/N1156.Advance Technology	100	0	0	0	100	3
MSME/LSS/N1155.Material Science and Testing	0	100	0	0	100	3
MSME/LSS/N1154.Material Science and Testing	100	0	0	0	100	3
MSME/LSS/N1153.International Business and Communication	100	0	0	0	100	3
MSME/LSS/N1100.Marketing, Merchandising & Supply chain	0	100	0	0	100	3
MSME/LSS/N1150.Marketing, Merchandising & Supply chain	100	0	0	0	100	3
MSME/LSS/N1149.Standardization and Quality Control	0	100	0	0	100	3
MSME/LSS/N1148.Standardization and Quality Control	100	0	0	0	100	3
MSME/LSS/N1147.Machine Lasting with Advanced Technology	0	100	0	0	100	3
MSME/LSS/N1146.Machine Lasting with Advanced Technology	100	0	0	0	100	3
MSME/LSS/N1145.Advanced Closing Technology	0	100	0	0	100	3
MSME/LSS/N1144.Advanced Closing Technology	100	0	0	0	100	3
MSME/LSS/N1143.Clicking Technology	0	100	0	0	100	3
MSME/LSS/N1142.Clicking Technology	100	0	0	0	100	3
MSME/LSS/N1141.Finance, Estimate and Costing	100	0	0	0	100	3
MSME/LSS/N1140.Computer Added Footwear Design (CAD)	0	100	0	0	100	3
MSME/LSS/N1139.Computer Added Footwear Design (CAD)	100	0	0	0	100	3



Qualification Pack



National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
MSME/LSS/N1138.Patterns Cutting Engg. For Product Development	0	100	0	0	100	3
MSME/LSS/N1137.Patterns Cutting Engg. For Product Development	100	0	0	0	100	3
MSME/LSS/N1136.Industrial Management and Safety	100	0	0	0	100	3
MSME/LSS/N1135.Lasting and Making Technology	0	100	0	0	100	3
MSME/LSS/N1134.Lasting and Making Technology	100	0	0	0	100	3
MSME/LSS/N1133.Basic Closing Technology	0	100	0	0	100	3
MSME/LSS/N1132.Basic Closing Technology	100	-	-	-	100	3
MSME/LSS/N1131.Basic Cutting Technology	-	100	-	-	100	3
MSME/LSS/N1130.Basic Cutting Technology	100	-	-	-	100	3
MSME/LSS/N1129.Designing and Pattern Cutting III	-	100	-	-	100	3
MSME/LSS/N1128.Designing and Pattern Cutting II	100	-	-	-	100	2
MSME/LSS/N1127.Art and Sketching II	-	100	-	-	100	2
MSME/LSS/N1126.Art and Sketching I	100	-	-	-	100	2
MSME/LSS/N1159.Employability Skills 1.1	100	-	-	-	100	2
MSME/LSS/N1152.Employability skills 1	100	-	-	-	100	2
Total	0	0	0	0	3500	100



Qualification Pack



Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training



Glossary

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



Qualification Pack



Organisational Context	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/ Generic Skills (GS)	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.