

SYLLABUS

Syllabus for Santi Niketan Leather Goods designer and Maker

Course Name	Santi Niketan Leather Goods designer and Maker
Sector	Leather
Course Code	LEA/2024/SNDM/379
Level	3
Occupation	Santi Niketan Leather Goods designer and Maker
Job Description	The candidate will be responsible to carry out the designing operation as per requirement of buyer and make pattern. The Santi Niketan leather goods designer and maker also have knowledge about leather bag making and other accessories items of leather with special skill off Santi Niketan work.
Course Duration	Total Duration 390 Hrs (T-90, P-180, OJT-60 and ES-60)
Trainees' Entry Qualification	Grade 10 OR Grade 8 pass and pursuing continuous schooling in regular school with vocational subject OR 8th grade pass with 2 yrs relevant experience OR 5th grade pass with 5 years relevant experience OR Previous relevant Qualification of NSQF Level 2 with one yr experience OR Previous relevant Qualification of NSQF Level 2.5 with 6 months experience
Trainers Qualification	Degree in Leather Technology from UGC recognized university with one year experience in the relevant field. OR Diploma (Minimum 2 years) in Leather Technology from a recognized board of education OR NTC/ NAC passed in the trade of "Leather Goods Maker" with three-year experience in the relevant field.

Structure of Course:

Module No.	Module name	Outcome	Compulsory/ Elective	Theory (Hrs)	Practical (Hrs)	OJT (Hrs.)	Total (Hrs) [Multiple of 30]
1	Safe working practices	Apply safe working practices, Comply with environment regulation and housekeeping and carry out elementary first aid during emergencies.	Compulsory	10	20		30

SYLLABUS

Module No.	Module name	Outcome	Compulsory/ Elective	Theory (Hrs)	Practical (Hrs)	OJT (Hrs.)	Total (Hrs) [Multiple of 30]
2	Introduction to Leather goods industry	Describe the fundamentals of Leather Goods industry and its manufacturing process	Compulsory	10	20		30
3	Leather and its characteristics	Select the appropriate leather and verify the characteristics of different fancy and Santi Niketan leather.	Compulsory	10	20		30
4	Preparation of pattern	Sketch & design various leather goods, along with preparation of pattern design & cutting.	Compulsory	10	20		30
5	Sewing operation techniques	Apply sewing operation using appropriate techniques with sequence of operation in production	Compulsory	10	20		30
6	Cutting operations	Carry out cutting operations and contribute to achieving product quality in cutting processes	Compulsory	10	20		30
7	Santi Niketan work	Carryout Santi Niketan work on embossed pattern along with skiving and folding operation properly		10	20		30
8	Care & maintenance	Identify, operate, troubleshoot & maintenance of different tools, machines & equipment used for leather goods making.		10	20		30
9	Quality checking and packaging	Carry out quality checking and Packaging		10	20		30
10	OJT	Work in real job situation with special emphasis on	Compulsory	-	-	60	60

SYLLABUS

Module No.	Module name	Outcome	Compulsory/ Elective	Theory (Hrs)	Practical (Hrs)	OJT (Hrs.)	Total (Hrs) [Multiple of 30]
		basic safety and hazards in this domain (OJT).					
11	Employability Skill	As per guided curriculum	Compulsory	60	--		60
TOTAL				150	180		390

SYLLABUS:**Module No. 1: Safe working practices**

Outcome: Apply safe working practices, Comply with environment regulation and housekeeping and carry out elementary first aid during emergencies.

Theory Content:

- Introduction to the trade, Importance of the trade in the development of the industrial economy of the country.
- Knowledge of General Safety, Occupational health and hygiene.
- Safety precautions.
- Elementary First Aid and treatment.
- First Aid Box Identification.

Practical Content:

- To make the trainees familiar with the shop discipline, layout of the shop, layout of the machines, equipment, etc. installed in the shop.
- Practice safe methods of handling tools.
- Safety precautions including firefighting equipment, Accidents
- First Aid practice and treatment.
- Identification of safety sign for danger, warning, caution and personal safety message.
- Check specification sign, symbols of fire extinguisher

Module No. 2: Introduction to Leather goods industry

Outcome: Describe the fundamentals of Leather Goods industry and its manufacturing process

Theory Content:

- Overview of Leather goods industry
- Classification of Leather goods
- Different materials accessories and hand tools used in leather goods industry
- Fundamental knowledge of Machinery used in Leather goods industry

- Fundamentals of Leather Goods Construction
- Market trends, customer preferences and impact of technology on the leather goods industry
- Quality standards and regulations

Practical Content:

- Identify the leather goods category and its material and tools requirement
- Material selection and inspection process
- Demonstrate various stages of leather goods construction
- Operate specialized machinery and tools used in leather goods production

Module No. 3: Leather and its characteristics

Outcome: Select the appropriate leather and verify the characteristics of different fancy and Santi Niketan leather.

Theory Content:

- Hides and Skins- structure and quality.
- Stretch in skins-its extent and direction. T
- Tanning process-Pre tanning and Post tanning.
- Tanning of hides and skins and their types and their essential characteristics for different uses
- Their parts and suitability for various purposes.
- Identification & character of various leather materials Specially VT(Santi Leather), other substitutes, types & essential characteristics for different uses.
- Leather identification and selection.
- Leather verification techniques
- Leather defects
- Their parts and suitability for various purposes.

Practical Content:

- Identify various types of hides & skins and fancy leather skins, their qualities
- Identify and differentiate various types of fancy leather based on grain, texture and appearance
- Application, limitation and treatment.
- Oil dressed and axed leathers and their uses.
- Types of finished leather (CG, PG, Fur, Suede leather, Oil pull-up, NUBUCK, NAPPA, WAXY, etc.)

Module No. 4: Preparation of pattern

Outcome: Sketch & design various leather goods, along with preparation of pattern design & cutting.

Theory Content:

- Market Trend and fashion
- History of Sani Niketan work
- Element and Principle of Design

- Composition and Drawing and Perspective Drawing
- Shading Techniques
- Introduction to Color Theory, Rendering with colors
- 3D-Craft drawing
- Range building
- Template making and presentation
- Drawing of embossing debossing and accessories
- Pattern and styles, their names and description. Drawing of different types of leather goods.
- Knowledge of the following pattern
- Component Pattern and Leather cutting pattern
- Lining and reinforcement pattern
- Different cutting allowance
- Pattern Measurement

Practical Content:

- Sketch basic design ideas for leather goods
- Measurement of standard leather goods
- Create basic pattern for simple leather products
- Designing Santi Niketan leather Product:
- Zipper pouch, key case, coin pouch, gents belt, Gents wallet, Ladies pouch, Ladies Bag
- Draw the diagram, pattern making, Demo Making by paper or nonwoven fabric

Module No. 5: Sewing operation techniques

Outcome: Apply sewing operation using appropriate techniques with sequence of operation in production

Theory Content:

- Overview of sewing operation in the production process
- Use of measuring tape, cutting knife, steel scale, silver pencil, hammer, folding hammer, scissor, awl, hole punch, press button punch, creaser, sewing machine flat bed and post bed. Work table.
- Planning the sequence of sewing operations
- Gluing and assembling and Edge coloring and finishing.
- Creasing tool.
- Stitching, Trimming and finishing.
- Cutting Dept sequence and Closing Dept sequence

- Finishing sequence and Packing sequence
- Different types of stitches
- Classification of sewing machine as per bed, motor, feed roller and work table
- Classification of needle
- Relation of thread no and needle no as per material thickness
- Different parts and their functions in stitching operation
- Tension spring adjusting
- Stitch length adjustment
- Hand tools of stitching and Classification of feed roller in stitching
- Various methods of construction and edge treatment are performed according to the type of leather goods

Practical Content:

- Identify various sewing machine for leather
- Selection of required material, accessories.
- Prepare pattern components.
- Cutting components according to pattern upper inner and gussets.
- Practice in creating straight and zigzag stitches
- Make marks for pocket balance mark.
- Creasing by creasing tool.
- Gluing and assembling components.
- Stitching.
- Hole punching for fixing press buttons with press button punch.
- Edge coloring and finishing.
- Trimming and finishing
- Selection of required material, accessories.
- Cutting components according to pattern upper, inner, reinforcement.
- Creasing of components by creasing tools.
- Gluing and assembling components.
- Use hole punch, riveting punch, press buttons punch for fixing key hook, press buttons.
- Plan and execute a sequence of sewing operations

Module No. 6: Cutting operations

Outcome: Carry out cutting operations and contribute to achieving product quality in cutting processes

Theory Content:

- Equipment needed for the cutting activity (Measuring tape, cutting knife, steel scale, silver pencil)
- Methods of calculating the number of components required
- Methods of cutting to ensure maximum usage and minimum wastage
- Common quality imperfections associated with the materials

SYLLABUS

- Main characteristics of the materials, method of identification and the means of cutting operations and subsequent operations
- Implications of using defective tools and machines on the materials
- Equipment operating procedures
- Manufacturers' instructions

Practical Content:

- Identify different types of leather and select appropriate cutting tools
- Set cutting parameters
- Sorting and handling different leather samples
- Demonstrate different manual cutting methods
- Evaluate the accuracy and edge finish of cut leather components
- Take precautionary measure to optimize reduction of material wastage

Module No. 7: Santi Niketan work

Outcome: Carryout Santi Niketan work on embossed pattern along with skiving and folding operation properly

Theory Content:

- Knowledge of artistic leather work, modeling, types of modeling, embossing, embossed leather goods. Spirit color used in leather work.
- Embossing machine setting, parameter changes like time temp pressure as per thickness and finishing of leather
- Finishing processes abrasion and their description. Waxes and inks used in finishing, their names and application.
- Hand tools for Santi Niketan work
- Techniques of Moistening the surface
- Methods of dyeing
- Techniques and application of different batik work and other decorative work on surface
- Methods of tipping the surface
- Drying
- Surface lacquering to fast the color
- Skiving methods
- Hand Skiving by Rampi,
- Skiving machine
- Classification of skiving and edge treatment
- Different parts of skiving machine

- Skiving depth and angle adjustment techniques
- Changes of skiving knife
- Different types of edge treatment
- Methods of edge coloring and materials of edge colors
- Folding Methods
- Familiarization of different Tools and Accessories of Folding
- Adhesives used in folding and their properties
- Folding errors and Troubleshooting

Practical Content

- Demonstrate Santi Niketan work techniques
- Create embossed pattern using stamping tools, carving implements
- Identify different skiving tools
- Create folded elements for leather goods
- Application of different tools and accessories of folding
- Execute various folding operations, including edge folding and gusset folding
- Identify different types of edge treatment

Module No. 8: Care & maintenance

Outcome: Identify, operate, troubleshoot & maintenance of different tools, machines & equipment used for leather goods making.

Theory Content:

- Knowledge of Machine, Equipment and power operated machine required for the making of various leather goods products. Knowledge of electrically operated tools.
- Identification of hand tools used by a trainee in the section, their kinds, uses, names and function, process of holding. Machines and needles employed in general leather work, their nomenclature and description, operational principles and use.
- Special Tools used for leather making, their kinds, uses and materials from which they are made. Their names and functions. Specification of different tools used in leather goods manufacture- their nomenclature and description.

Practical Content

- General operation of various make machine working condition timely clean and lubricate the machine and covered after worked.
- Study the construction and operation of various types Swing machine.
- Identify and carry out maintenance and preventive maintenance of motor and machines.

SYLLABUS

- Identify different parts its function and operation of tight clutch at the handle wheel and various types of adjust belt.
- Practice of use different Needle thread breaks, Bobbin thread breaking and thread loops.
- General repairs of different types of leather goods.
- Identify various type repairing like zip and runner, cut size and shape and overlapping allowance.
- Plan and prepare the damage in gusset size of leather bag.
- Carryout maintenance of damage in bottom of leather bag.
- Selection different types of material required.
- Identify different materials and bag part lining zip runner fixing.
- Plan and prepare fixing tape code on front and back part and marked centre point for balancing.
Practice and prepare zip gusset and continuous gusset with lining
- Analysis for substandard, defect analysis and action about correcting any fault.
- Handling and maintenance of machine properly. The mechanical operation in various stage of leather goods manufacturing (include clicking, splitting skewing, straps cutting and variety of machine used to impart certain desirable property).

Module No. 9: Quality checking and packaging

Outcome: Carry out quality checking and Packaging

Theory Content:

- Specification sheet for quality
- Defects of Material (Upper, Lining , accessories)
- Defects of construction (Stitching folding edge coloring)
- Defects of size measurement, Color
- Defects in logo placement
- Defects of over adhesive
- Packing instruction
- Different packing material
- Uses of silica gel, fungus protective tape
- Volumetric weight calculation

Practical Content

- Carry out inspection of different leather goods
- Establish quality control protocols
- Make a simple packaging as per standard procedure for different leather goods product
- Identify proper packaging techniques for types of leather goods
- Develop a quality control check list

Module 10: OJT

Outcome: Work in real job situation with special emphasis on basic safety and hazards in this domain

Practical Content:

Assessor will check report prepared for this component of Practical training of the course and assess whether competency has been developed to work in the real job situation with special emphasis on basic safety and hazards in this domain. (The trainee is expected to undertake work in actual workplace under any supervisor / contractor for **60 Hours.**)

Module 11: Employability Skills (60 Hrs)**Key Learning Outcomes****Introduction to Employability Skills**

Duration: 1.5 Hours

After completing this programme, participants will be able to:

1. Discuss the Employability Skills required for jobs in various industries
2. List different learning and employability related GOI and private portals and their usage

Constitutional values - Citizenship

Duration: 1.5 Hours

3. Explain the constitutional values, including civic rights and duties, citizenship, responsibility towards society and personal values and ethics such as honesty, integrity, caring and respecting others that are required to become a responsible citizen
4. Show how to practice different environmentally sustainable practices.

Becoming a Professional in the 21st Century

Duration: 2.5 Hours

5. Discuss importance of relevant 21st century skills.
6. Exhibit 21st century skills like Self-Awareness, Behavior Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn etc. in personal or professional life.
7. Describe the benefits of continuous learning.

Basic English Skills

Duration: 10 Hours

8. Show how to use basic English sentences for everyday conversation in different contexts, in person and over the telephone
9. Read and interpret text written in basic English
10. Write a short note/paragraph / letter/e -mail using basic English

Career Development & Goal Setting

Duration: 2 Hours

11. Create a career development plan with well-defined short- and long-term goals

Communication Skills

Duration: 5 Hours

12. Demonstrate how to communicate effectively using verbal and nonverbal communication etiquette.
13. Explain the importance of active listening for effective communication
14. Discuss the significance of working collaboratively with others in a team

Diversity & Inclusion

Duration: 2.5 Hours

15. Demonstrate how to behave, communicate, and conduct oneself appropriately with all genders and PwD
16. Discuss the significance of escalating sexual harassment issues as per POSH act.

Financial and Legal Literacy

Duration: 5 Hours

17. Outline the importance of selecting the right financial institution, product, and service

SYLLABUS

18. Demonstrate how to carry out offline and online financial transactions, safely and securely
19. List the common components of salary and compute income, expenditure, taxes, investments etc.
20. Discuss the legal rights, laws, and aids

Essential Digital Skills

Duration: 10 Hours

21. Describe the role of digital technology in today's life
22. Demonstrate how to operate digital devices and use the associated applications and features, safely and securely
23. Discuss the significance of displaying responsible online behavior while browsing, using various social media platforms, e-mails, etc., safely and securely
24. Create sample word documents, excel sheets and presentations using basic features
25. utilize virtual collaboration tools to work effectively

Entrepreneurship

Duration: 7 Hours

26. Explain the types of entrepreneurship and enterprises
27. Discuss how to identify opportunities for potential business, sources of funding and associated financial and legal risks with its mitigation plan
28. Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement
29. Create a sample business plan, for the selected business opportunity

Customer Service

Duration: 5 Hours

30. Describe the significance of analyzing different types and needs of customers
31. Explain the significance of identifying customer needs and responding to them in a professional manner.
32. Discuss the significance of maintaining hygiene and dressing appropriately

Getting Ready for apprenticeship & Jobs

Duration: 8 Hours

33. Create a professional Curriculum Vitae (CV)
34. Use various offline and online job search sources such as employment exchanges, recruitment agencies, and job portals respectively
35. Discuss the significance of maintaining hygiene and confidence during an interview
36. Perform a mock interview
37. List the steps for searching and registering for apprenticeship opportunities

Learning Outcome – Assessment Criteria

Module No.	Outcome	Assessment Criteria
1	Apply safe working practices, Comply with environment regulation and housekeeping and carry out elementary first aid during emergencies.	<p>After completion of this module students will be able to:</p> <ul style="list-style-type: none"> 1.1 Explain the economic significance of the leather goods trade in industrial development. 1.2 Apply occupational health and hygiene practices, emphasizing general safety protocols. 1.3 Execute safe practices in handling tools, machinery and equipment, ensuring a secure work environment. 1.4 Administer elementary first aid techniques and apply appropriate treatments in response to injuries or emergencies. 1.5 Demonstrate the layout of the leather goods shop, efficiently navigating machinery and equipment placement. 1.6 Practice safe methods for handling various tools, emphasizing precision and care to prevent accidents or injuries. 1.7 Identify safety signs related to danger, warning, caution, and personal safety, including recognizing specifications and symbols on fire extinguishers.
2	Describe the fundamentals of Leather Goods industry and its manufacturing process	<p>After completion of this module students will be able to:</p> <ul style="list-style-type: none"> 2.1 Classify leather goods categories accurately, recognizing material and tool requirements. 2.2 Execute material selection and inspection processes, ensuring quality standards adherence. 2.3 Demonstrate proficiency in various stages of leather goods construction, emphasizing precision. 2.4 Operate specialized machinery and tools competently, showcasing practical skills. 2.5 Identify and address material and tool requirements. 2.6 Illustrate effective use of machinery in leather goods production processes. 2.7 Evaluate the ability to meet quality standards and regulations in practice. 2.8 Analyze market trends and customer preferences, evaluating their impact on the industry.

Module No.	Outcome	Assessment Criteria
3	Select the appropriate leather and verify the characteristics of different fancy and Santi Niketan leather.	<p>After completion of this module students will be able to:</p> <p>3.1 Analyze hides and skins, demonstrating understanding of structure and quality.</p> <p>3.2 Evaluate stretch in skins, considering extent and direction.</p> <p>3.3 Assess comprehension of the pre-tanning and post-tanning processes.</p> <p>3.4 Examine tanning methods, types and essential characteristics for diverse uses.</p> <p>3.5 Demonstrate different leather materials, identifying VT(Santi Leather), substitutes, and their characteristics.</p> <p>3.6 Assess proficiency in leather verification techniques.</p> <p>3.7 Recognize leather defects, along with their suitability for various purposes.</p> <p>3.8 Differentiate fancy leather types based on grain, texture, and appearance.</p> <p>3.9 Identify and classify types of finished leather (CG, PG, Fur, Suede leather, Oil pull-up, NUBUCK, NAPPA, WAXY, etc.).</p>
4	Sketch & design various leather goods, along with preparation of pattern design & cutting.	<p>After completion of this module students will be able to:</p> <p>4.1 Explain market trends and fashion in the leather goods industry.</p> <p>4.2 Analyze comprehension of design elements and principles.</p> <p>4.3 Evaluate proficiency in composition and drawing techniques.</p> <p>4.4 Execute perspective drawing accurately.</p> <p>4.5 Explain color theory principles and competence in 3D-craft drawing techniques.</p> <p>4.6 demonstrate design skills in creating Santi Niketan leather products.</p> <p>4.7 Draw diagrams and create patterns for various leather goods.</p> <p>4.8 Demonstrate the creation of leather goods through drawing and pattern making.</p>
5	Apply sewing operation using appropriate techniques with sequence of operation in production	<p>After completion of this module students will be able to:</p> <p>5.1 Demonstrate sewing operation in production processes.</p> <p>5.2 Plan on sequencing sewing operations.</p> <p>5.3 Examine comprehension of gluing, assembling,</p>

Module No.	Outcome	Assessment Criteria
		edge coloring, and finishing processes. 5.4 Demonstrate creasing tools and techniques in leather goods production. 5.5 Demonstrate the process in stitching, trimming, and overall finishing operations. 5.6 Identify and select appropriate sewing machines for leather. 5.7 Identify and select materials and accessories for sewing operations. 5.8 Execute hole punching and press button fixing, trimming and overall finishing.
6	Carry out cutting operations and contribute to achieving product quality in cutting processes	After completion of this module students will be able to: 6.1 Identify and select appropriate cutting tools. 6.2 Calculate the number of required components. 6.3 Explain the methods for maximizing material usage and minimizing wastage. 6.4 Identify and select various leather types. 6.5 Demonstrate the procedure of sorting and handling different leather samples. 6.6 Demonstrate various manual cutting methods. 6.7 Comply precautionary measures to minimize material wastage.
7	Carryout Santi Niketan work on embossed pattern along with skiving and folding operation properly	After completion of this module students will be able to: 7.1 Demonstrate artistic leatherwork, including modeling and embossing techniques. 7.2 Examine embossing machine settings and parameter adjustments for different leather thicknesses. 7.3 Analyze finishing processes, abrasion techniques, waxes, and inks used. 7.4 Identify and select hand tools specific to Santi Niketan work. 7.5 Explain the techniques for moistening the surface, dyeing, batik work, and decorative surface applications. 7.6 Demonstrate Santi Niketan work techniques effectively. 7.7 Create folded elements for leather goods. 7.8 Execute various folding techniques, including edge and gusset folding.
8	Identify, operate, troubleshoot & maintenance of different tools, machines & equipment used for leather goods making.	After completion of this module students will be able to: 8.1 identify different machines, equipment and power-operated tools for leather goods. 8.2. Identify and select hand tools, their kinds, uses, names and functions. 8.3 Describe the machines and needles used in general leather work, including nomenclature and operational principles.

SYLLABUS

Module No.	Outcome	Assessment Criteria
		8.4 Identify different parts, their functions and operating the tight clutch and belt adjustments. 8.5 Use different needle thread breaks, handling bobbin thread breaks and addressing thread loops. Examine skills in general repairs of different types of leather goods. 8.6 Plan and repair various leather goods components, including zips, runners, gussets, and bottoms. 8.7 Select and identify different materials required for leather goods manufacturing. 8.8 Analyze substandard items, defect analysis, and taking corrective actions.
9	Carry out quality checking and Packaging	After completion of this module students will be able to: 9.1 Explain the use of specification sheets for quality in leather goods. 9.2 identify defects in materials, including upper, lining, and accessories. 9.3 Comprehend defects in construction, such as stitching, folding, and edge coloring. 9.4 Assess the defects in logo placement and over-adhesive application. 9.5 Conduct inspections on different leather goods products. 9.6 Establish quality control protocols for leather goods. 9.7 Create simple packaging according to standard procedures. 9.8 Identify proper packaging techniques for various types of leather goods.
10	OJT	Work in real job situation with special emphasis on basic safety and hazards in this domain (OJT).
11	Employability Skill	As per guided curriculum

List of Tools, Equipment & materials needed for 30 Trainees (Practical)

S No.	Name of the Tools and Equipment	Specification	Quantity
A. TRAINEES TOOL KIT			
1.	Polypropylene board	40 x 40 x 10 cm	30
2.	Wooden block	30 x 10 x 10 cm	30
3.	Wooden clamp	standard size	30
4.	Set square		30
5.	Compass		30
6.	Divider	20 mm	30
7.	Scissor	150 mm	30
8.	Scissor	300 mm	30
9.	Scissors for cutting zig - zig	200 mm	30
10.	Sniper	6"	30
11.	Hammer Big		30
12.	Hammer Small		30
13.	Ladies magnetic hammer	10 cm.	30
14.	Mallet		30
15.	Pincers	10 cm	30
16.	Iron creaser doubles		30
17.	Wooden creaser single		30
18.	Wooden creaser doubles		30
19.	Rampis		30
20.	Curved rampis		30
21.	Blunt awls		30
22.	Stitch marking awls		30
23.	Scriber		30
24.	Punches	1, 3, 4	30
B. SHOP TOOLS & EQUIPMENT			
25.	Punch set	no. 1 to 10	4
26.	Revolving punches		4
27.	Punch (for punching holes in metal sheet / strip)	2 mm	4
28.	File flat rough	90 mm	4

29.	Stitching comb - assorted	1, 2 and 3 mm	4
30.	Cutting pliers	150 mm	4
31.	Set of screw drivers		4
32.	Eye let setter with die		4
33.	Measuring tape (Cotton / plastic) -	2 meter long	4
34.	Half-moon shape Rampi		4
35.	Awls		4
36.	Steel clamp rule	300 mm	4
37.	Steel clamp rule	600 mm	4
38.	Pincers	25 cm	4
39.	Strap cutter		4
40.	Clicking Knives		4
41.	Designer Knives		4
42.	Sniper	2" - 3"	4
43.	Beading hammer (folding hammer)		4
44.	Magnetic Hammer	25 cm.	4
45.	Divider with scale	20 cm.	4
46.	Leather thickness measuring Gauge (Micro)		4
47.	Bench vice	0 - 100 mm	4
48.	Flat chisel	20 mm nose width	4
49.	Horns byongi		4
50.	Heel iron Electric		4
51.	French curve set		4
52.	Modelling tool set (Tracer & modeler Weaver & tool, porker maker)		4
53.	Glue container and glue brushes		4
54.	Press (Iron)		4
55.	Maintenance tool		4

C. LIST OF GENERAL MACHINERY

56.	Card board cutting machine	900 mm (Power Operated)	1
57.	Sewing machine treadle operated flat bed (Single needle capacity) Power operated		4
58.	Sewing machine power operated heavy duty		1
59.	Splitting machine upper		1
60.	Stamping die machine		1
61.	Stamping machine table type		1
62.	Cylinder bed sewing machine		1

63.	Post bed sewing machine		1
64.	Zig - Zag stitching machine		1
65.	Skiving machine		1
66.	Strap cutting machine		1
67.	Edge folding machine		1
68.	Roller		1
69.	Splitting machine bottom		1
70.	Hand eye letting machine		1
71.	Bottom setting machine		1
72.	Inter lock machine		1
73.	Edge colouring machine		1
74.	Clicking machine		1

Marks Distribution

Outcome	Outcome Code	Total Th marks	Total Pr marks	Total OJT marks
Apply safe working practices, Comply with environment regulation and housekeeping and carry out elementary first aid during emergencies.	LEA/2207/OC1	20	70	0
Describe the fundamentals of Leather Goods industry and its manufacturing process	LEA/2207/OC2	20	80	0
Select the appropriate leather and verify the characteristics of different fancy and Santi Niketan leather.	LEA/2207/OC3	20	80	0
Sketch & design various leather goods, along with preparation of pattern design & cutting.	LEA/2207/OC4	20	70	0
Apply sewing operation using appropriate techniques with sequence of operation in production	LEA/2207/OC5	10	70	0
Carry out cutting operations and contribute to achieving product quality in cutting processes	LEA/2207/OC6	10	70	0
Carry out Santi Niketan work on embossed pattern along with skiving and folding operation properly	LEA/2207/OC7	20	70	0
Identify, operate, troubleshoot & maintenance of different tools, machines & equipment used for leather goods making.	LEA/2207/OC8	20	70	0
Carry out quality checking and Packaging	LEA/2207/OC9	10	70	0
Work in real job situation with special emphasis on basic safety and hazards in this domain (OJT).	LEA/2207/OC10	0	0	150
Employability Skills – 60 Hrs	DGT/VSQ/N0102	50	0	0

