

# ONE YEAR VOCATIONAL SKILL DIPLOMA COURSE IN LEATHER GOODS & GARMENTS PRODUCTION

## VOCATIONAL COURSE IN LEATHER GOODS & GARMENTS PRODUCTION (Skill Diploma)

Sl. No.	CONTENTS	CREDITS	MARKS	Classes Hrs./wk req.	Total contact Hrs req. in a semester	
<b>1<sup>st</sup> Semester</b>						
<b>THEORY</b>						
1	Communication Skills in English	3	50	3	18hrs/wk = 18hrs/wk *12 wks/sem = 216hrs/sem	
2	Basics of Leather Goods & Garments their Raw-materials & accessories used	3	50	3		
3	Tools used in Leather Goods & Garments	3	50	3		
4	Designing & Pattern making of Leather Goods & Garments	3	50	3		
<b>LAB / PRACTICALS</b>						
5	Practice of free hand sketching & Cutting practice leather goods and garments designs	1.5	100	3	Additional 10hrs/wk (for personality development)	
6	Stitching practice	1.5		3		
7	<b>On Job Training(OJT)/ Qualification Packs</b>					
A	Cutter	Any One	15	200	30	30hrs/wk*12 wks/sem = 360hrs/sem (at a stretch for 50 days)
B	Skiving/ Splitting Operator					
C	Folding/Attaching Operator					
D	Stitching Operator					
E	Finishing Operator					
<b>Total contact hrs required in 1<sup>st</sup> sem = 576hrs</b>						
<b>2<sup>nd</sup> Semester</b>						
<b>THEORY</b>						
1	Operations of Cutting	3	50	3	18hrs/wk = 18hrs/wk *12 wks/sem = 216hrs/sem	
2	Pre closing operations - Skiving, Splitting , Folding operations	3	50	3		
3	Finishing operations in leather Goods & garments production	3	50	3		
4	Machines used in leather Goods & Garments production	3	50	3		
<b>LAB / PRACTICALS</b>						
5	Pre closing operations on leather goods and garments	1.5	100	3	Additional 10hrs/wk (for personality development)	
6	Stitching and finishing operations on leather goods & garments	1.5		3		
<b>On Job Training(OJT)/ Qualification Packs</b>						
7	One more QP to be opted from the QPs mentioned in Level-3 of first semester.	Any One	15	200	30	30hrs/wk*12 wks/sem = 360hrs/sem (at a stretch for 50 days)
<b>Total contact hrs required in 2<sup>nd</sup> sem = 576hrs</b>						
<b>TOTAL CONTACT HRS REQUIRED FOR THE COURSE (1<sup>ST</sup> SEM &amp; 2<sup>ND</sup> SEM) = 576HRS * 2 = 1,152 HRS.</b>						

## COURSE DETAILS & SCHEDULES

Classroom contact hours classes	=	90 days
Examinations	=	20 days
On Job Training (OJT)	=	50 days
Admissions/ Orientation/ Sports/ Cultural activities	=	20 days
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Total no. of days	=	180 days

### **As per credit structure:**

Total Classroom contact hours in each semester =  $18 \text{ Hrs/wk} \times 12 \text{ wks/ sem} = 216 \text{ Hrs/ sem}$

On Job Training (OJT) hours in each semester =  $30 \text{ Hrs/wk} \times 12 \text{ wks/ sem} = 360 \text{ Hrs/ sem}$   
(at a stretch for 50 days)

Total Contact hours per semester for each semesters =  $(216 + 360) \text{ Hrs/ sem} = 576 \text{ Hrs/ sem}$

So, Total Contact hours for both the semesters in an year =  $576 \text{ Hrs/ sem} \times 2 \text{ sems} = 1,152 \text{ HRS.}$

### **On Job Training (OJT) :**

Under 50 days nearly 45 days as working days.

Considering 8hrs/ day working hours in factory so total working hours covered in OJT in 45 days  
=  $45 \text{ days} \times 8 \text{ Hrs/day} = 360 \text{ Hours.}$

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## COURSE - CURRICULUM

### SEMESTER-I

#### THEORY

#### 1. COMMUNICATION SKILLS IN ENGLISH

Credits: 3

**English Grammar:** Skills by using the following grammatical components in writing and verbal communication:

- Parts of speech
- Auxiliaries
- Articles
- Tenses
- Active and Passive voice
- Prepositions
- Question Tags and Short form answers
- Prefixes and Suffixes
- Subject-Verb Agreement
- Homonyms/Homophones/ Synonyms /Antonyms

**Comprehension:** Comprehend the given passage and able to answer the linked questions.

**Communicate an idea in series:** Logically connected sentences by describing an event such as objects, people, places, processes, expanding proverbs and also conducting activity such as group discussion, presentation, reporting and documentation.

**Letter writing:** Application for leave, Application for jobs.

#### **Note Writing**

#### 2. BASICS OF LEATHER GOODS & GARMENTS

Credits: 3

1. Introduction of leather goods. Classification of leather goods - small, medium & heavy - Types of constructions: Cut edge, Turn over edge, Turned edge, Butt edge and Moulded articles Box work - Process flow of leather goods.
2. Study related to manufacture of – Coin purse, key case, wallet, spectacle case, Ladies hand bag.
3. Introduction of leather garments - Classification of leather Garments – Men, Women and Kids - Classification Based on material, design, color, fashion, style & comfort - Anatomy of human body - Types of body figures, sizes, measurements & fitting.
4. Sequence of operations for manufacture of leather jackets, standards for stitched jackets, leather garment care and care labeling codes.

5. Accessories used in Leather Goods – Fittings types – with locking, without locking, Fasteners – Rivets, button, eyelets, studs and zippers - Types of lining material, reinforcement, adhesives, types of sewing threads.
6. Selection of leather for goods & garments – Grain garment, Suede, Fur, Sheep, Goat, Cow, Cow calf, Lamb skin, Pig skin - General properties required in ideal garment leather .
7. Accessories used in Leather Garments – Linings, muslin cloth, shoulder pads, button & closures, zippers, parts, wadding, interfacing, elastics, woven labels, threads, velcro, needles, ribbons, buckles, dummies, hangers, adhesive, brushes, millboards, tissue sheets.

#### **4. TOOLS AND EQUIPMENTS USED IN LEATHER GOODS & GARMENTS**

**Credits: 3**

1. Tools used for leather goods fabrication – Marking tools, Measuring and drafting tools, Cutting tools, punching tools and other tools
2. Tools for leather garments fabrication- Marking tools, measuring and drafting tools, Cutting tools, punching tools and other tools.
3. Equipment, Pressing equipment's, Dirt, Spot and Thread trimming equipment, Tagging and labeling equipment.
4. Machinery – Industrial sewing machine, clicking machine, cylinder bed sewing machine, zig zag sewing machine, Button holing machine, lining cutting machine, fusing machine, over lock machine.

#### **5. DESIGNING AND PATTERNMAKING OF LEATHER GOODS & GARMENTS**

**Credits: 3**

1. Introduction to Leather Goods Designing, Principles of a designer, Fashion trends, Fashion seasons, fashion show.
2. Study of Colors – Introduction and Classification of colors, color wheel, cool and warm colors.
3. Introduction to Pattern Making of Goods – cutting pattern, ready pattern, basic designing of different types of gussets, Pockets, Straps, Handles.
4. Introduction to Leather Garments Designing, Designer, role of a pattern maker, pattern grading, working sketch, body measurements, pattern terminologies.
5. Introduction to Garments Details & Tailoring techniques – Pressing techniques, darts, gathering, shirring, smocking, Ruffles, pleats, tucks, interfacing, lining, inter lining, shoulder pads, Collars, sleeves, cuffs, pockets, zippers, types, hooks & eyes, buttons.

## **LAB PRACTICALS**

### **6. PRACTICE OF FREE HAND SKETCHING & CUTTING PRACTICE**

**Credit: 1.5**

1. Basic Drawing Skills - Sketching of basic designs– coin pouches, key chains, wallets, belts, handbags.
2. Sketching of basic styles of garments – skirt, jackets, waist coats, shorts, A line dress.
3. Cutting practice – Introduction to cutting and its tools operations. Manual cutting - paper cutting practice, leather and non-leather practice. Cutting various leather components.
4. Pattern making – basic pattern marking and tracing, developing various patterns of different shapes polygon shapes. Drafting of various leather products - coin pouch, key case, gent’s wallet, belt, spectacle case, shoulder bag, clutch purse, hand bag.
5. Drafting of various leather Garments (any two) – Waist coats, Skirts, Jackets.

### **7. STITCHING PRACTICE**

**Credits: 1.5**

1. Introduction to Sewing machine and its parts, maintenance, safety precautions. Machine control practice with needle, without needle.
2. Threading practice of sewing machine, changing needles, practice of threading and bobbin. Machine control practice on Booklets with thread& without thread.
3. Stitching practice on leather and non-leather.
4. Practice of Edge Folding–Straight, Curved and polygon shapes. Different types of Edge Stitching Practice.
5. Fabrication of articles -coin pouch, key case, gent’s wallet, belt, spectacle case, shoulder bag, clutch purse, hand bag.
6. Fabrication of articles (any two) - Waist coats, Skirts, Jackets

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## **SEMESTER-II**

### **1. CLICKING OPERATIONS**

**Credits: 3**

1. Introduction & importance - Responsibilities of a Clicker – Types of clicking - Advantage and disadvantages of clicking– clicking by knives & scissors –
2. Defects in Leather and Leather Sorting - Characteristics and Variation in Leather
3. Clicking of Various parts components like Pockets, Flaps, Straps, gussets, and Handles from leather&, lining leather, foam, fabric, leather board & vegetable tanned leather
4. Qualities required in a clicker - Assessment of Leather Consumption for Cutting .

### **2. PRE CLOSING OPERATIONS - SKIVING, SPLITTING & FOLDING OPERATIONS**

**Credits: 3**

1. Introduction of pre-closing: Pre-closing, process of skiving, splitting, folding, marking, reinforcement attaching, etc.
2. Skiving: skiving machine, parts & functions, types of skiving – raw edge, overlap, seam edge, folding and corner
3. Splitting: splitting machine, parts & functions, types of splitting – Matrix, grain side and flesh side
4. Folding/Binding: edge folding machine, parts & functions, types of edge folding – straight, curve
5. Hand crafted works of leather components in leather goods – stencil, engraving, embroidery, embossing.

### **3. STITCHING OPERATIONS**

**Credits: 3**

1. Introduction to Sewing Machines – Flat bed sewing machine, cylindrical bed sewing machine.
2. Various tooling & controls of sewing machines: Sewing machines various parts and functions, working principles of various sewing machines and its handling
3. Various supporting machine for closing: Strap cutting machine, buttoning machine and their various parts and functions, working principles & handling, etc.
4. Various types of stitching: Manual/machine stitches, types of threads & needles Requirement of quality on closing of leather goods: SPI, Allowances for stitching, finishing for stitching with various machines.

### **4. FINISHING OPERATIONS ON LEATHER GOODS & GARMENTS**

**Credits: 3**

1. Introduction of finishing: leather finishing, cleaners, conditioners.
2. Various types of finishing based on the type of leather or materials.
3. Types of finishing: wax finishing, polishing, thread finishing, etc.
4. Finishing ingredients: Various ingredients used for goods & garments finishing, various types of cleaners for various types of leathers
5. Finishing machines: Machines used for finishing process, requirement of quality in goods & garments finishing.

## **LAB PRACTICALS**

### **5. PRE-CLOSING & CLOSING ONLEATHER GOODS & GARMENTS**

**Credits: 1.5**

1. Basic skill of pre-closing operations: Handling of tools for various operations (hammering, folding, attaching, etc.).
2. Handling of skiving machine: Various adjustments of parts & tools.
3. Practice on various types of skiving: Underlay, folding, Seam, Corner skiving, etc.
4. Practice on various pre-closing operations: Folding, binding, gimping, etc.
5. Costing of leather goods & garments products.

### **6. STITCHING& FINISHING ON LEATHER GOODS & GARMENTS**

**Credits: 1.5**

1. Handling and control of various sewing machines in stitching & finishing process
  2. Handling control of finishing machines: Brushing, polishing/wax polishing, buffing, etc.
  3. Various finishing techniques involved in stitching & finishing: Polishing, effect of shining, etc.
  4. Various quality requirements on stitching, finishing process on leather goods & garments.
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