

**CERTIFICATE COURSE IN
LEATHER GOODS DESIGNING AND MANUFACTURING**

(1 YEAR DURATION)



**STATE BOARD OF TECHNICAL EDUCATION & TRAINING
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TELANGANA, HYDERABAD.**

LEATHER GOODS DESIGNING AND MANUFACTURING

Course Title : Leather Goods Designing and Manufacturing.
Duration of the course : 12 months
Periods per day : 7 (1 Theory + 6 Practical of 50 minutes duration each.)

SUB CODE	NAME OF THE SUBJECT	PERIODS/WEEK		TOTAL PERIODS PER 6 MONTHS	SCHEME OF EXAMINATION			
		Theor y	Practical s		Duratio n Hours	Sessiona l Marks	End Exam Mark s	Total Mark s
LT-101	TOOLS & MACHINERY OF LEATHER GOODS	03	--	50	03	--	100	100
LT-102	DESIGN PATTERNS IN LEATHER TECHNOLOGY	03	--	50	03	--	100	100
LT-103	FABRICATION OF LEATHER GOODS	03		50	03	-	100	100
LT-104	ADVANCED TECHNIQUES IN LEATHER TECHNOLOGY	03		50	03	-	100	100
LT-105	LEATHER FABRICATION LAB		02	100	03	40	60	100
LT-106	DESIGN OF LEATHER GOODS LAB		02	100	03	40	60	100
LT-107	LEATHER GOODS MANUFACTURING LAB		02	100	03	40	60	100
LT-108	PROJECT WORK			2 MONTHS	-	50	250	300
	TOTAL	12	24	500		--	--	1000

SUBJECT TITLE : TOOLS & MACHINERY OF LEATHER GOODS
SUBJECT CODE : LT- 101
PERIODS/WEEK : 03
PERIODS/YEAR : 50

S.NO.	MAJOR TOPICS	NUMBER OF PERIODS
01	Hand Tools – Cutting Tools	05
02	Carving and stamping tools	05
03	Finishing & Punching Tools	10
04	Stitching Tools	10
05	operating principles of Clicking machine	10
06	operating principles of sewing machine	10
	TOTAL	50

UNIT :1 : Hand Tools : cutting tools used in leather goods manufacture- Bevel edge knife. - Skiving knife. - Adjustable strap cutter. - Hand knife. - Safety beveller. - Scissors.

Unit-2 : Carving and stamping tools used in leather goods manufacture. - Swivel knife. - Camouflage. - Pear shader. - Beveller.- Veiner and shell tool. - Seeder.- Back grounding tool.

Unit-3 : Finishing & Punching Tools : Adjustable creaser. - Beveleze. - Rotary punch.- Single point punch.-Oblong punch.-English point punch.

Unit-4 : stitching tools : Stitching groover. - One prong thonging chisel.-Four prong thonging chisel.-Fid.-Lacing pliers.-Over stitch spacer

Unit-5 : operating principles of Clicking machine.- splitting - machine.-strap cutting machine

Unit-6 : operating principles of sewing machine. - skiving machine

SUBJECT TITLE : DESIGN PATTERNS IN LEATHER TECHNOLOGY
SUBJECT CODE : LT- 102
PERIODS/WEEK : 03
PERIODS/YEAR : 50

S.NO.	MAJOR TOPICS	NUMBER OF PERIODS
01	Design and Develop the patterns of key case	05
02	Design and Develop patterns for credit card case	05
03	Design and Develop the Patterns of wallet	10
04	Design and Develop the Patterns of Cell phone case.	10
05	Design and Develop the Patterns for Ladies hand bag- Circular bag	10
06	Design and Develop the patterns for Three piece flap over bag	10
	TOTAL	50

UNIT :1 : Design and Develop the patterns of key case – coin case – comb case.

Unit-2 : Design and Develop patterns for credit card case - Bill folds - Innovative small leather goods

Unit-3 : Design and Develop the Patterns of wallet

Unit-4 : Design and Develop the Patterns of Cell phone case. - Note pad

Unit-5 : Design and Develop the Patterns for Ladies hand bag- Circular bag

Unit-6 : Design and Develop the patterns for Three piece flap over bag.

SUBJECT TITLE : FABRICATION OF LEATHER GOODS
SUBJECT CODE : LT- 103
PERIODS/WEEK : 03
PERIODS/YEAR : 50

S.NO.	MAJOR TOPICS	NUMBER OF PERIODS
01	Fabrication of key case	05
02	Fabrication for credit card case	05
03	Fabrication of wallet	10
04	Fabrication of Cell phone case.	10
05	Fabrication for Ladies hand bag- Circular bag	10
06	Fabrication for Three piece flap over bag	10
	TOTAL	50

UNIT :1 : Fabrication of key case – coin case – comb case.

Unit-2 : Fabrication for credit card case - Bill folds - Innovative small leather goods

Unit-3 : Fabrication of wallet

Unit-4 : Fabrication of Cell phone case. - Note pad

Unit-5 : Fabrication for Ladies hand bag- Circular bag

Unit-6 : Fabrication for Three piece flap over bag.

SUBJECT TITLE : ADVANCED TECHNIQUES IN LEATHER TECHNOLOGY

SUBJECT CODE : LT- 104

PERIODS/WEEK : 03

PERIODS/YEAR : 50

S.NO.	MAJOR TOPICS	NUMBER OF PERIODS
01	Designing and Fabrication of Bucket bag.	05
02	Designing and Fabrication of Brief case	05
03	Designing and Fabrication of Zip folio case	10
04	Fabrication of Leather Goods by Thonging	10
05	Advanced Designing of Leather Goods	10
06	Advanced Fabrication of Leather Goods	10
	TOTAL	50

UNIT :1 : Designing and Fabrication of Bucket bag - Design and Develop the patterns for

Bucket bag, Fabricate the Bucket bag

Unit-2 : Design and Develop the pattern for Brief case, Fabricate the Brief case

Unit-3 : Design and Develop the Patterns for Zip folio case, Fabricate the zip folio case

Unit-4 : Practicing different type of Thongings, Fabrication of small leather goods by Thonging.

Unit-5 : Production management - Preparatory stages – Tanning – Crusting – Surface coating

Unit-6 : Advanced Fabrication of Leather Goods – cold-milling Technology - Zünd's high-tech cutting system

SUBJECT TITLE : LEATHER FABRICATION LAB
SUBJECT CODE : LT- 105
PERIODS/WEEK : 03
PERIODS/YEAR : 100

S.NO.	MAJOR TOPICS	NUMBER OF PERIODS
01	Practice on Fabrication of key case	14
02	Practice on Fabrication for credit card case	14
03	Practice on Fabrication of wallet	16
04	Practice on Fabrication of Cell phone case.	16
05	Practice on Fabrication for Ladies hand bag- Circular bag	20
06	Practice on Fabrication for Three piece flap over bag	20
	TOTAL	100

UNIT-1 : Practice on Fabrication of key case

Unit-2 :, Practice on Fabrication for credit card case

Unit-3 : Practice on Fabrication of wallet

Unit-4 : Practice on Fabrication of Cell phone case

Unit-5 : Practice on Fabrication for Ladies hand bag- Circular bag

Unit-6 : Practice on Fabrication for Three piece flap over bag

SUBJECT TITLE : **DESIGN OF LEATHER GOODS LAB**
SUBJECT CODE : **LT- 106**
PERIODS/WEEK : **03**
PERIODS/YEAR : **100**

S.NO.	MAJOR TOPICS	NUMBER OF PERIODS
01	Design and Develop the patterns of key case	14
02	Design and Develop patterns for credit card case	14
03	Design and Develop the Patterns of wallet	16
04	Design and Develop the Patterns of Cell phone case.	16
05	Design and Develop the Patterns for Ladies hand bag- Circular bag	20
06	Design and Develop the patterns for Three piece flap over bag	20
	TOTAL	100

UNIT-1 : Practice on Design and Develop the patterns of key case

Unit-2 :, Practice on Design and Develop patterns for credit card case

Unit-3 : Practice on Design and Develop the Patterns of wallet

Unit-4 : Practice on Design and Develop the Patterns of Cell phone case

Unit-5 : Practice on Design and Develop the Patterns for Ladies hand bag- Circular bag

Unit-6 : Practice on Design and Develop the patterns for Three piece flap over bag

SUBJECT TITLE : LEATHER GOODS MANUFACTURING LAB
SUBJECT CODE : LT- 107
PERIODS/WEEK : 03
PERIODS/YEAR : 100

S.NO.	MAJOR TOPICS	NUMBER OF PERIODS
01	Practice on Designing and Fabrication of Bucket bag.	14
02	Practice on Designing and Fabrication of Brief case	14
03	Practice on Designing and Fabrication of Zip folio case	16
04	Practice on Fabrication of Leather Goods by Thonging	16
05	Practice on Advanced Designing of Leather Goods	20
06	Practice on Advanced Fabrication of Leather Goods	20
	TOTAL	100

UNIT-1 : Practice on Designing and Fabrication of Bucket bag.

Unit-2 : Practice on Designing and Fabrication of Brief case

Unit-3 : Practice on Designing and Fabrication of Zip folio case

Unit-4 : Practice on Fabrication of Leather Goods by Thonging

Unit-5 : Practice on Tanning – Crusting – Surface coating

Unit-6 : Practice on high-tech cutting system

SUBJECT TITLE	:	PROJECT WORK
SUBJECT CODE	:	LT- 108
DURATION	:	2 Months before the End Examination
Report	:	Project Work Final Report to be submitted before the starts of examination

Objectives of the Course :

On completion of the study of the subject the student should be able to

1.0 Hand tools and machinery used for leather goods.

- 1.1 Describe following cutting tools used in leather goods manufacture.
 - 1.1.1 Bevel edge knife.
 - 1.1.2 Skiving knife.
 - 1.1.3 Adjustable strap cutter.
 - 1.1.4 Hand knife.
 - 1.1.5 Safety beveller.
 - 1.1.6 Scissors.
- 1.2 Describe following Carving and stamping tools used in leather goods manufacture.
 - 1.2.1 Swivel knife.
 - 1.2.2 Camouflage.
 - 1.2.3 Pear shader.
 - 1.2.4 Beveller.
 - 1.2.5 Veiner and shell tool.
 - 1.2.6 Seeder.
 - 1.2.7 Back grounding tool.
- 1.3 Describe following finishing tools used in leather goods manufacture.
 - 1.3.1 Adjustable creaser.
 - 1.3.2 Beveleze.
- 1.4 Describe following Punching tools used in leather goods manufacture.
 - 1.4.1 Rotary punch.
 - 1.4.2 Single point punch.
 - 1.4.3 Oblong punch.
 - 1.4.4 English point punch.
- 1.5 Describe following stitching tools used in leather goods manufacturing.
 - 1.5.1 Stitching groover.
 - 1.5.2 One prong thonging chisel.
 - 1.5.3 Four prong thonging chisel.
 - 1.5.4 Fid.
 - 1.5.5 Lacing pliers.
 - 1.5.6 Over stitch spacer.
- 1.6 Explain the operating principles of Clicking machine.
- 1.7 Explain the operating principles of splitting machine.
- 1.8 Explain the operating principles of strap cutting machine.
- 1.9 Explain the operating principles of sewing machine.
- 1.10 Explain the operating principles of skiving machine.

2.0 Designing and Fabrication of small leather goods like key case, Coin case, comb case, Credit card case.

- 2.1 Design and Develop the patterns of key case.
- 2.2 Fabricate the Key case.
- 2.3 Design and Develop the patterns of coin case.
- 2.4 Fabricate the Coin case.
- 2.5 Design and Develop the patterns for comb case.
- 2.6 Fabrication of Comb case.
- 2.7 Design and Develop patterns for credit card case.
- 2.8 Fabrication of Credit card case.
- 2.9 Design and Develop patterns for Bill folds.
- 2.10 Fabricate Bill folds.
- 2.11 Design and Develop patterns for Innovative small leather goods.
- 2.12 Fabricate small leather goods.

3 Designing and Fabrication of Wallet.

- 3.1 Design and Develop the Patterns of wallet.
- 3.2 Fabricate the Wallet.

4 Designing and Fabrication of Cell phone case.

- 4.1 Design and Develop the Patterns of Cell phone case.
- 4.2 Fabricate the Cell phone case.
- 4.3 Design and Develop the Patterns for Note pad.
- 4.4 Fabricate Note pad.

5 Designing and Fabrication of Ladies hand bag- Circular bag.

- 5.1 Design and Develop the Patterns for Ladies hand bag- Circular bag.
- 5.2 Fabricate the Ladies hand bag- circular bag.

6. Designing and Fabrication of Three piece flap over bag.

- 6.1 Design and Develop the patterns for Three piece flap over bag.
- 6.2 Fabricate Three piece flap over bag.

7. Designing and Fabrication of Bucket bag.

- 7.1 Design and Develop the patterns for Bucket bag.
- 7.2 Fabricate the Bucket bag.

8. Designing and Fabrication of Brief case.

- 8.1 Design and Develop the pattern for Brief case.
- 8.2 Fabricate the Brief case.

9. Designing and Fabrication of Zip folio case.

- 9.1 Design and Develop the Patterns for Zip folio case.
- 9.2 Fabricate zip folio case.
- 10. Fabrication of Leather Goods by Thonging.
 - 10.1 Practicing different type of Thongings.
 - 10.2 Fabrication of small leather goods by Thonging.

COURSE CONTENTS:

1. **Hand tools and machinery used for leather goods.**
Cutting tools, various Carving and stamping tools, finishing tools various
Punching tools used in leather goods making, operating principles of
Clicking machine, splitting machine, strap cutting machine, sewing
Machine, skiving machine.
2. **Designing and Fabrication of small leather goods like key case, Coin case, comb case, Credit card case, Bill folds.**
Design and Develop the patterns, fabricate key case, Coin case, Comb case, credit card case, Bill folds.
3. **Designing and Fabrication of Wallet.**
Design and Develop the Patterns, fabricate wallet.
4. **Designing and Fabrication of Cell phone case.**
Design and Develop the Patterns, fabricate Cell phone case, Note pad case.
5. **Designing and Fabrication of Ladies hand bag- Circular bag.**
Design and Develop the Patterns, Fabricate Ladies hand bag- Circular bag.
6. **Designing and Fabrication of Three piece flap over bag.**
Design and develop the patterns for Three piece flap over bag, Fabricate Three piece flap over bag.
7. **Designing and Fabrication of Bucket bag.**
Design and Develop the patterns for Bucket bag, Fabricate the Bucket bag.
8. **Designing and Fabrication of Brief case.**
Design and Develop the pattern for Brief case, Fabricate the Brief case.
9. **Designing and Fabrication of Zip folio case.**
Design and Develop the Patterns for Zip folio case, Fabricate the zip folio case.
10. **Fabrication of Leather Goods by Thonging.**
Practicing different type of Thongings, Fabrication of small leather goods by Thonging.