

**PROPOSED CURRICULAR STRUCTURE FOR PART-III (3rd YEAR) OF THE
FULLTIME DIPLOMA COURSE IN ENGINEERING & TECHNOLOGY.**

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION													
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES													
COURSE NAME:LEATHER GOODS TECHNOLOGY													
SEMESTER:FIFTH													
BRANCH CODE:LGT													
SL. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME							
			L	TU	PR	INTERNAL SCHEME			ESE	TW	PR	TOTAL MARKS	
						TA	CT	TOTAL					
1.	LEATHER GOODS COSTING	3	2	1	-	10	20	30	70	25	-	125	
2.	QUALITY ASSURANCE AND TOTAL QUALITY MANAGEMENT	2	2	-	-	5	10	15	35	-	-	50	
3.	LEATHER GOODS MERCHANDISING	2	2	-	-	5	10	15	35	-	-	50	
4.	MACHINERIES FOR LEATHER GOODS-PART- II	3	3	-	-	10	20	30	70	-	-	100	
5.	MATERIAL TESTING	4 (2+2)	2	-	3	10	20	30	70	-	50	150	
6.	ELECTIVE-I (Select Any One) A. FOOTWEAR TECHNOLOGY-I B. LEATHER TECHNOLOGY-I	4 (2+2)	2	-	4	5	10	15	35	-	50	100	
7.	DESIGN PROJECT-I	5	-	-	10	-	-	-	-	-	200	200	
8.	PROFESSIONAL PRACTICE-III	2	-	2	-	-	-	-	-	50	-	50	
TOTAL		25	13	3	17	45	90	135	315	75	300	825	
STUDENT CONTACT HOURS PER WEEK: 33 HRS. THEORY & PRACTICAL PERIOD OF 60 MINUTES EACH. L-LECTURE; TU- TUTORIALS; PR-PRACTICAL; TW- TERM WORK ; TA-TEACHERS ASSESSMENT; CT- CLASS TEST; ESE- END OF SEMESTER.													

LEATHER GOODS COSTING

Subject Code	Course offered in	Course Duration	Contact Period Per Week	Full Marks
	3 rd Year 1 st Semester	17 Weeks	2 Lecture 1 Tutorial	125 [100+25]

OBJECTIVE

1. To forecast as accurately as possible how much it cost to make a particular leather goods in condition we have in our surroundings.
2. To make the participants aware about the areas of cost reduction.
3. To make the participants aware about the Cost Management Techniques in Leather Goods industry.
4. **Term Work:** The included objective aimed to provide an opportunity for the students to apply their classroom knowledge, develop their skill and clarify their career plans.

EXAMINATION SCHEME

Internal Assessment - 30 marks; End of Semester (ESE) Marks - 70 marks and Term Work - 25 marks.

Distribution of Internal Assessment marks:

Teacher's Assessment (TA) - 10 marks; Class Test (CT) - 20 marks.

Term Work - 25 marks.

Term Work Assessment of 25 marks shall be held throughout the semester based on entire syllabus.

S L N O	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME							
			L	TU	PR	INTERNAL SCHEME			ESE	TW	PR	TOTAL MARKS	
						TA	CT	TOTAL					
			1.	LEATHER GOODS COSTING	3	2	1	-	10	20	30	70	25

DETAIL COURSE CONTENT

• END OF SEMESTER

1. INTRODUCTION TO COST ACCOUNTING

Costing – Cost Accounting- Differences between Cost & Cost Accounting- Functions & Limitations of Cost Accounting – Cost Centre & Cost Unit- Elements of Cost - direct material, direct labor, factory overhead - Fixed, Variable & Semi-variable Cost- Cost of goods manufactured statements - Relevant Cost and Differential Cost.

2. DETERMING PRICING OF LEATHER GOODS PRODUCTS

Procedure to estimate leather costing, costing of different leather components of a leather goods product - Cost Sheet - Procedure for estimating cost of other material used like accessories, lining, adhesives etc. – Total Cost of a Leather goods item.

3. TREATMENT OF OVERHEAD

Definition, Importance & Classification of Overhead – Allocation & Apportionment of Overhead – Bases of Apportionment – Distribution of Overhead to PRODUCTION & SERVICE DEPARTMENT – Re-

distribution of Overhead – Machine Hour Rate – Absorption of Overhead – Under Absorption & Over Absorption of overhead – Administration Overhead – Selling & Distribution Overhead.

4. LABOUR COST

Direct & indirect Labour – Labour cost – Idle time – Overtime – Job Analysis – Labour Turnover - Payment System – knowledge of labour values for all operation.

5. CAPITAL EXPENDITURE & WORKING CAPITAL RETURN ON CAPITAL INVESTED AT LEATHER GOODS INDUSTRY.

6. BUDGET/BUDGETARY CONTROL AT LEATHER GOODS INDUSTRY

Budgeting principles for the Leather Goods Industry - Requirements of a Good Budgeting System – Advantages & Limitations of Budgetary Control - Fixed vs. Flexible budget – Capital Budget (Capex) – Participative Budget - Master budget – Zero Base Budgeting –Budget Committee for Control of Overheads - Responsibility Accounting.

7. STANDARD COSTING FOR LEATHER PRODUCTS

Standard Cost - Standard Costing - Variances and Analysis of Variances - Material, Labour & Sales Variances in Leather Goods Industry.

8. INVENTORY CONTROL AT LEATHER GOODS INDUSTRY

Inventory - Inventory Control - Perpetual Inventory System - Redundant/Obsolete Stores – Continuous Physical Stock Taking – Inventory Turnover Ratio.

9. PROCESS COSTING

Definition & features of Process Costing – Types & advantages of process costing – Elements of Process Cost – Valuation of Work-in-progress – Abnormal Loss – Joint Products – By Products.

10. MARGINAL COSTING COST VOLUME PROFIT ANALYSIS & DECISION MAKING

Marginal Cost – Marginal Costing – Cost Volume Profit Analysis – Break Even Point - Contribution margin – Profit Volume Ratio – Margin of Safety - Sales mix by garment style-effect of volume change - price/volume analysis – Decision Making.

•TERM WORK

1. Determination of Instant Costing (Profit) / (Loss) of a given Leather Goods Industry.
2. Preparation of Cost sheet in MS Excel.

•TEXT BOOKS

1. “Management Accounting” by *S.N Maheswari* .Sultan Chand & Sons, New Delhi (2000).
2. “Cost Accounting” by *S.P Jain and K.L Narang*. Kalyani Publishers, New Delhi (1998).
3. “A Text Book of Cost Accountancy” by *M.N. Arora*. Vikas Publishing Pvt.Ltd.
4. “Cost Accounting- Method & Problems” by *B.K Bhar*. Academic Publishers.

QUALITY ASSURANCE AND TOTAL QUALITY MANAGEMENT

Subject Code	Course offered in	Course Duration	Contact Period Per Week	Full Marks
	3 rd Year 1 st Semester	17 Weeks	2 Lecture	50

OBJECTIVE

1. **Quality Assurance:** To provide knowledge to the students the way of preventing mistakes or defects in manufactured products and avoiding problems when delivering solutions or services to the customers.
2. **Total Quality Management:** Total Quality Management refers to the organization-wide efforts to install and make permanent a climate in which an organization continuously improves its ability to deliver a high quality products and services to customers.

EXAMINATION SCHEME

Internal Assessment - 15 marks and End of Semester (ESE) - 35 marks.

Distribution of Internal Assessment marks:

Teacher's Assessment (TA) - 5 marks; Class Test (CT) - 10 marks.

S L N O	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	TW	PR	TOTAL MARKS
						TA	CT	TOTAL				
2.	QUALITY ASSURANCE AND TOTAL QUALITY MANAGEMENT	2	2	-	-	5	10	15	35	-	-	50

DETAIL COURSE CONTENT

• END OF SEMESTER

QUALITY ASSURANCE

1. QUALITY CONCEPT AND ITS EVALUATION

Historical background and present status; What is Quality? – Quality Definitions, Quality Requirements.

2. QUALITY ASSURANCE

Concept and Definitions, Responsibilities of Quality Assurance Department, Evaluation of Quality Assurance Model.

3. QUALITY STANDARDS

ISO – 9001, ISO – 14000 Series.

TOTAL QUALITY MANAGEMENT

4. METHODOLOGY AND IMPLEMENTATIONS

Definitions of Total Quality Management (TQM), principles of Total Quality Management, Ten mantras for Total Quality Management, Phases of Quality Management, Tools and Techniques for TQM; World Class Quality through Total Quality management.

5. QUALITY CIRCLES

Historical Background, Definitions of Quality Circles, Objectives of Quality Circles
Quality Circle – Why and how to be promoted? Problems affecting Quality Circles.

•TEXT BOOKS

1. “Quality Assurance” by *Insung Jung, Tat Meng Wong, Tian Belawati*. SAGE Publications.
2. “Total Quality Management- Text and Cases” – by *S.K. Sarangi*. Asian Books.
3. “Total Quality Management” (Revised edition) by *Dale H. Besterfield, Hemant Urdhwareshe, Mary Basterfield-Sacre, Carol Besterfield-Michna, Urdhwareshe, Glen H. Besterfield*.

LEATHR GOODS MERCHANDISING

Subject Code	Course offered in	Course Duration	Contact Period Per Week	Full Marks
	3 rd Year 1 st Semester	17 Weeks	2 Lecture	50

OBJECTIVE

1. To provide knowledge about the art of selling or displaying of the products in such a way that it stimulates interest and entices customers to make a purchase.

EXAMINATION SCHEME

Internal Assessment - 15 marks and End of Semester (ESE) - 35 marks.

Distribution of Internal Assessment marks:

Teacher’s Assessment (TA) - 5 marks; Class Test (CT) - 10 marks.

S L N O	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	TW	PR	TOTAL MARKS
						TA	CT	TOTAL				
3.	LEATHER GOODS MERCHANDISING	2	2	-	-	5	10	15	35	-	-	50

DETAIL COURSE CONTENT

• END OF SEMESTER

1. Introduction to Leather goods merchandising.
2. Merchandising Theories.
3. Definition of Merchandising Philosophy.
4. Importance of Merchandising.
5. Function of Merchandiser.
6. The Definition of Merchandising Techniques.
7. Time Management- Production scheduling- Route Card format.
8. Follow up- Various processes of Follow up & Practical Check Points.
9. Pattern Approval- Size set Approval procedures- Pre- (Pilot Run Inspection) – Order execution procedures.
10. Fashion Merchandising Vs. Retail Merchandising.
11. Job objectives of Retail Merchandising.
12. Definition of Promotional Merchandising.
13. Visual Merchandising Techniques.

14. Sales focused Merchandising.
15. Outlet Vs Retail.
16. SWOT Analysis for retail.
17. The advantages of Retail Outlets.

•TEXT BOOKS

1. “Marketing Management” by *Philip Kotler*. Prentice Hall Inc (1996).
2. “Apparel Manufacturing” by *Ruth E Glock and Grace I. Kunz*. Prentice Hall, New Jersey (Fourth Edition, 2005).

MACHINERIES FOR LEATHER GOODS - PART- II

Subject Code	Course offered in	Course Duration	Contact Period Per Week	Full Marks
	3rd Year 1st Semester	17 Weeks	3 Lecture	100

OBJECTIVE

1. To understand the basic theory underlying machine learning.
2. To make the students acquainted with different machine operations and also with its various parts.
3. To be able to formulate machine learning problems corresponding to different applications.

EXAMINATION SCHEME

Internal Assessment - 30 marks and End of Semester (ESE) - 70 marks.

Distribution of Internal Assessment marks:

Teacher’s Assessment (TA) - 10 marks; Class Test (CT) - 20 marks.

S L N O	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	TW	PR	TOTAL MARKS
						TA	CT	TOTAL				
4.	MACHINERIES FOR LEATHER GOODS - PART-II	3	3	-	-	10	20	30	70	-	-	100

DETAIL COURSE CONTENT

• END OF SEMESTER

1. EMBOSSING MACHINE.
2. EYELETING MACHINE.
3. STAMPING MACHINE.
4. EDGE BEVEALING MACHINE.
5. SEAM RUBBING MACHINE.
6. PIPING MACHINE.
7. BUTTON RIVETING MACHINE WITH DIES FOR DIFFERENT SIZES AND RIVETS.
8. SPRAY BOOTH.
9. EDGE COLOURING MACHINE.
10. CURVING MACHINE.

11. ROUGHENING MACHINE.
12. CEMENTING MACHINE.
13. WORK STATION IN CUTTING & PRE-FITTING SECTION & RELATED MACHINE.
14. FINIFLEX.
15. PLATING.

•TEXT BOOKS

1. “Comprehensive Footwear Technology” by *Somenath Ganguly*. ILTA Kolkata Publications.
2. “Introduction to the Modern Footwear Technology” by *B.Venkatappaiah*. CLRI Publications.

MATERIAL TESTING

Subject Code	Course offered in	Course Duration	Contact Period Per Week	Full Marks
	3 rd Year 1 st Semester	17 Weeks	2 Lecture 3 Practical	150 [100+50]

OBJECTIVE

1. To get a rough idea about the extent to which a leather article will perform its duty satisfactorily.

EXAMINATION SCHEME

Internal Assessment - 30 marks; End of Semester (ESE) - 70 marks and Practical - 50 Marks.

Distribution of Internal Assessment marks:

Teacher’s Assessment (TA) - 10 marks; Class Test (CT) - 20 marks.

Practical - 50 marks

Internal Assessment - 25 marks.

Distribution of Internal Assessment marks:

Practical Examination (Job Performed) - 10 marks; Periodic Assignment - 10 marks;

Practical Note Book- 5 marks;

External Assessment - 25 marks.

Distribution of External Assessment marks:

Practical Examination (Job Performed) - 15 marks; Viva-Voce - 10 marks.

S L N O	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	TW	PR	TOTAL MARKS
						TA	CT	TOTAL				
5.	MATERIAL TESTING	4 (2+2)	2	-	3	10	20	30	70	-	50	150

DETAIL COURSE CONTENT

• END OF SEMESTER

- A. Introduction, Objective of carrying out Physical Testing, Development of Physical Testing Methods, Classification of Physical Testing Methods.

B. Collection and Preparation of Leather samples, sampling position, Conditioning of test pieces, Simple Tools and apparatus for measuring area, thickness etc of leather, Press and Cutting knives, few thumb tests for leather.

C. TESTING EQUIPMENTS

Universal Testing Machine, Lastometer, Wrinklemeter, Wet and dry rub fastness tester, Abrasion Tester, Flexometer, Waterproof ness test.

D. TEST METHODS FOR LEATHER

- Measurement of Tensile Strength.
- Percentage Elongation.
- Tear Strength.
- Grain crack.
- Plasticity and Heat setting.
- Wrinkles along feather line.
- Flexing endurance.
- Water proof ness / Water resistance.
- Rubbing damage.
- Upper flexing.

E. TEST METHODS FOR FABRICS

- Threads per inch or centimeter of a fabric.
- Seam Strength.
- Martindale Abrasion.
- Staining.

F. TEST METHODS FOR SYNTHETIC COATED FABRICS

- Breaking Load.
- Breaking Extension.
- Tearing Strength.
- Load and Distention (Lastometer).
- Seam Strength / Needle Pull out test.
- Adhesion of Coated film to Fabrics.
- Flexing.
- Abrasion.

G. TESTING AND QUALITY ASSESSMENT FOR ADHESIVES

Solid content, Viscosity, Drying Time, Tack, Shelf Life, Pot Life, Peel Strength, Strength of Joint in Shear, Hot Melt Adhesive, Bond Strength.

H. TESTING AND QUALITY ASSESSMENT FOR ACCESSORIES

•PRACTICAL

A. SAMPLING POSITION DETERMINATION

Determination of Sampling position for Physical & Chemical Testing from full Hide, bends or butts, shoulder & belly.

B. CONDITIONING

Conditioning of test piece before testing (in an ageing oven).

C. TEST METHODS FOR LEATHER

Tensile strength, Elongation at break, Tear strength, Grain crack, Determination of water vapour permeability, Water proofness, Rubbing damage, Adhesion to finish film, Flexing endurance.

D. OTHER TESTING METHODS

Hardness-Shore hardness - Durometer, Abrasion , Flex resistance, Water resistance, Scuffing/Snag test.

TEXT BOOKS

1. "Introduction to the Principles of Physical Testing of Leather" by *Prof. S.S. Dutta*. ILTA, Kolkata Publications.
2. "Testing & Quality Assessment of Footwear & Footwear Materials" by *B. Venkatappaiah*. CLRI, Publications.

ELECTIVE - I**A. FOOTWEAR TECHNOLOGY – I**

Subject Code	Course offered in	Course Duration	Contact Period Per Week	Full Marks
	3 rd Year 1 st Semester	17 Weeks	2 Lecture 4 Practical	100 [50+50]

OBJECTIVE

1. To provide knowledge about footwear designing and manufacturing.
2. To provide a brief knowledge about anatomy, muscles, arches ligaments etc of human foot.
3. To provide knowledge to the students about different types of Footwear Materials.

EXAMINATION SCHEME

Internal Assessment - 15 marks; End of Semester (ESE) - 35 marks and Practical - 50 marks.

Distribution of Internal Assessment marks:

Teacher's Assessment (TA) - 5 marks; Class Test (CT) - 10 marks.

Practical - 50 marks

Internal Assessment - 25 marks.

Distribution of Internal Assessment marks:

Practical Examination (Designing and Job Performed) -10 marks; Periodic Assignment (Designing and Job Performed) - 10 marks; Practical Note Book- 5 marks.

External Assessment - 25 marks.

Distribution of External Assessment marks:

Practical Examination (Designing and Job Performed) - 15 marks; Viva-voce- 10 marks.

S L N O	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	TW	PR	TOTAL MARKS
						TA	CT	TOTAL				
6.	A. FOOTWEAR TECHNOLOGY-I	4 (2+2)	2	-	4	5	10	15	35	-	50	100

DETAIL COURSE CONTENT

• END OF SEMESTER

A. INTRODUCTION

History of Footwear Evolution, Nomenclature of different types of footwear, Different parts of Footwear.

B. ANATOMY OF HUMAN FEET

Functions of Human Feet, Bones, Joints, Muscles, Ligaments, Arches of Skin of Human Foot. Common foot defects and their remedies. Internal & External changes of human feet from infant to adult stage (Ossification). Analysis of Human Locomotion. Foot measurement. Foot comfort & Foot care.

C. LAST

Definition, classification of last, different parts of last, construction of mould for making P.V.C last. Comparison of last with human foot.

D. SIZE AND FITTINGS

Foot measurement technique, English shoe size system, American size system, French size system, Centimeter size system, Europoint size system, Mondopoint size system etc., Width & Girth measurement, Fittings.

E. FOOT ABNORMALITIES

Damages of Skin, Troubles of the Toe, Troubles of the Arches.

F. BASIC DESIGNS

G. DESIGN MAKING BY MEAN FORME

F. FOOTWEAR MATERIALS

• PRACTICAL

A. MEAN FORME CONSTRUCTION

Construction of Mean Forme by a. Slotted paper Method and b. Masking Tape Method.

B. BASE MODEL CONSTRUCTION

Construction of base model and sectional patterns of upper and lining for I. CHAPPALS (atleast two types) II. DERBY SHOE (TOE-CAP AND MUDGUARD) and also preparation of bottom components for the above designs.

C. PATTERN GRADING

Introduction to Radial tool and grading of the sectional pattern (at least one size up and down) of the above design.

D. PATTERN TRACING FOR ONE PAIR MATERIAL CONSUMPTION

E. CLICKING TECHNOLOGY

Introduction, Material selection, Method [If hand (tools used) or machine], Pattern interlocking.

F. THICKNESS REDUCTION OF COMPONENTS (IF NECESSARY)

Skiving (hand or machine), Splitting.

G. UPPER FABRICATION

Introduction, Gluing, Folding, Stitching and Trimming.

H. LASTING

Lasting of upper by hand/machine.

I. BOTTOM STOCK PREPARATION

Application of adhesive to the lasted bottom and sole and attachment on a sole pressing machine.

J. CLEANING AND FINISHING FOR UPPER AND BOOTTOM COMPONENTS BY HAND OR MACHINE**K. MANUFACTURING TECHNIQUES:**

Manufacturing of I.CHAPPALS & II.DERBY SHOE (TOE-CAP AND MUDGUARD).

•TEXT BOOKS

1. "Comprehensive Footwear Technology" by *Somenath Ganguly*. ILTA, Kolkata Publications.
2. "Manual of Shoe Making" by *Jane & Clark*. INTR Programmes, Training Department, Clarks Limited, 1966.

ELECTIVE - I**B. LEATHER TECHNOLOGY – I**

Subject Code	Course offered in	Course Duration	Contact Period Per Week	Full Marks
	3 rd Year 1 st Semester	17 Weeks	2 Lecture 4 Practical	100 [50+50]

OBJECTIVE

1. To impart knowledge to the students about the different principles involved in making leather (upto tanning process) from raw hides or skins.

EXAMINATION SCHEME

Internal Assessment - 15 marks; End of Semester (ESE) - 35 marks and Practical - 50 marks.

Distribution of Internal Assessment marks:

Teacher's Assessment (TA) - 5 marks; Class Test (CT) - 10 marks.

Practical - 50 marks

Internal Assessment - 25 marks.

Distribution of Internal Assessment marks:

Practical Examination - 10 marks; Periodic Assignment - 10 marks; Practical Note Book - 5 marks.

External Assessment - 25 marks.

Distribution of External Assessment marks:

Practical Examination - 15 marks; Viva- voce - 10 marks.

S L N O	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	TW	PR	TOTAL MARKS
						TA	CT	TOTAL				
6.	B. LEATHER TECHNOLOGY-I	4 (2+2)	2	-	4	5	10	35	50	-	50	100

DETAIL COURSE CONTENT

• END OF SEMESTER

A. RECOVERY, COLLECTION AND CLASSIFICATION OF RAW HIDES AND SKINS

B. PRESERVATION OF RAW HIDES AND SKINS

Control, pH control using toxic materials, Drying simple salting, concrete mixer, brine curing, combined method, Indian method.

C. PRETANNING OPERATIONS FOR LEATHER MAKING (PRINCIPLES, MATERIALS, METHOD AND MACHINERIES)

Soaking, Liming, Deliming, Bating, Pickling, Degreasing.

D. TANNING OPERATIONS FOR LEATHER MAKING (PRINCIPLES, MATERIALS, METHOD AND MACHINERIES)

Chrome Tanning, Aluminium Tanning, Zirconium Tanning, Vegetable Tanning, Combination tanning, Syntans, Aldehyde, Oil & Resin Tannage.

• PRACTICAL

VISITING TANNERIES - Thorough study of Practical procedures to make leather specially in Tanning section.
Preparing Practical Handbook.

• TEXT BOOKS

1. "An Introduction to the Principles of Leather Manufacture" by *S.S. Dutta*. 4th Edition. ILTA Publications.
2. "Theory and Practice of Leather Manufacture" by *K.T. Sarkar*. ILTA, Kolkata Publications.

DESIGN PROJECT - I

Subject Code	Course offered in	Course Duration	Contact Period Per Week	Full Marks
	3 rd Year 1 st Semester	17 Weeks	10 Practical	200

OBJECTIVE

1. To provide knowledge about designing and manufacturing of different types of Bags.

EXAMINATION SCHEME

Practical – 200 Marks

Internal Assessment - 100 marks.

Distribution of Internal Assessment marks:

Practical Examination (Designing and Job Performed) - 40 marks; Periodic Assignment (Designing and Job Performed) - 40 marks; Practical Note Book - 20 (10+10) marks.

External Assessment - 100 marks.

Distribution of External Assessment marks:

Practical Examination (Designing and Job Performed): 80 (40+40) marks; Viva Voce: 20 (10+10) marks.

S L N O	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	TW	PR	TOTAL MARKS
						TA	CT	TOTAL				
7.	DESIGN PROJECT-I	5	-	-	10	-	-	-	-	-	200	200

DETAIL COURSE CONTENT

• PRACTICAL

Part A: DESIGNING

Development of Base Model; Cutting of component patterns & Working patterns (mentioning its measurements) of the following items (at least of two different styles):

- a. Office Bags b. Ladies Bags c. School Bags d. Travel Bags.

Part B: MANUFACTURING

I. PREPARATION OF COMPONENTS

Practicing of preparation of Gusset, Pockets, Belts etc.

II. MANUFACTURING TECHNIQUES

Making of following items (at least two different styles) mentioning its purpose of use, material selection, lining, tools, fittings & adhesive used

- a. Office Bags b. Ladies Bags c. School bags d. Travel Bags.

• TEXT BOOKS

1. "The New Handmade" by *Cassie Barden*. Martingale (2008). Crafts and Hobbies.
2. "Sew the Perfect Bag" by *Mary V. Green*. Martingale (2010). Crafts and Hobbies.

PROFESSIONAL PRACTICE - III

Subject Code	Course offered in	Course Duration	Contact Period Per Week	Full Marks
	3 rd Year 1 st Semester	17 Weeks	2 Tutorial	50

OBJECTIVE

1. To acquire information from different source.
2. To prepare notes from given topic.
3. To present given topic in seminar.
4. To interact with peers to share thoughts.
5. To prepare a report on industrial visit, expert lecture.

EXAMINATION SCHEME

Internal Assessment - 50 marks.

Distribution of Internal Assessment marks:

Internal Assignment - 25 marks; Seminar Presentation - 15 marks; Industry Visit Report - 10 marks.

S L N O	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	TW	PR	TOTAL MARKS
						TA	CT	TOTAL				
8.	PROFESSIONAL PRACTICE-III	2	-	2	-	-	-	-	-	50	-	50

DETAIL COURSE CONTENT

• **TERM WORK**

Module – I

A.	Operating and adjusting controlling parameter of Embossing machine.
B.	Operating and adjusting controlling parameter of Eyeletting machine.
C.	Operating and adjusting controlling parameter of Stamping machine.
D.	Operating and adjusting controlling parameter of Edge Beveling machine.
E.	Operating and adjusting controlling parameter of Seam Rubbing machine.
F.	Operating and adjusting controlling parameter of Piping machine.
G.	Operating and adjusting controlling parameter of Button Riveting Machine with dies for different sizes button and rivets.
H.	Operating and adjusting controlling parameter of Edge Coloring Machine
I.	Operating and adjusting controlling parameter of Curving Machine.
J.	Operating and adjusting controlling parameter of Cementing Machine.
K.	Operating and adjusting controlling parameter of Roughening Machine.
L.	Operating and adjusting controlling parameter of Finiflex.
M.	Spray Booth.
N.	Work Station in cutting & pre-Fitting Section and related machine.
O.	Plating.

Module – II

A.	ANALYSIS OF LEATHER GOODS DESIGN TRENDS BY a. Press review b. Retail Window Shopping c. Magazines d. Websites.
B.	FORMATION OF MOODBOARD
C.	TREND PRESENTATION
D.	INDUSTRY VISIT - Visit to Leather Goods Manufacturing Unit (2 Times).