

Course Structure of PGDLT

Term	Course Title	Credit Hours	
		T*	S**
Term 1 (Generic & Industry Specific Courses)	LT-101: Business Communication Skills	2	1
	LT-102: Pre-tanning & Tanning Processes	2	1
	LT-103: Maintenance & Utility	3	0
	LT-104: Cost and Business Management	3	0
	LT-105: Industrial Engineering & Automation	3	0
Term 2 (Advanced Industry Specific Courses)	LT-201: Post-Tanning & Finishing Processes	2	1
	LT-202: Materials Management & Quality Control	2	1
	LT-203: Merchandising & Supply Chain Management	3	0
	LT-204: Compliances & Environmental Impact Assessment	3	0
	LT-205: Industrial Hazard & Occupational Safety and Health	3	0
Term 3	LT-300: Internship – Case study	0	6
Total Credits		36	

Course Structure of Advanced Certificate Courses

Advanced Certificate Course on Compliance and Sustainability for Leather Sector

Term	Course Title	Credit Hours	
		T*	S**
ACC-CSLS-01	Industrial Compliance	2	
ACC-CSLS-03	Occupational Health and Safety in Leather Sector	2	
ACC-CSLS-05	Environmental Pollutions and Sustainability	2	
ACC-CSLS-02	Occupational Health and Safety in Leather Sector Sessional		1
ACC-CSLS-04	Environmental Pollutions and Sustainability Sessional		1
ACC-CSLS-06	Industrial Attachment		1
Total Credits		9.0	

Advanced Certificate Course on Automation and AI for Design

Term	Course Title	Credit Hours	
		T*	S**
ACC-ALPD-01	Product Design and Pattern Making	2	
ACC-ALPD-03	Industrial Engineering and Automation	2	
ACC-ALPD-05	Materials allowance and consumption analysis	2	
ACC-ALPD-02	Product Design and Pattern Making Sessional		1
ACC-ALPD-04	Industrial Engineering and Automation Sessional		1
ACC-ALPD-06	Industrial Attachment		1
Total Credits		9.0	

Advanced Certificate Course on Lean Manufacturing and Quality Assurance

Term	Course Title	Credit Hours	
		T*	S**
ACC-LMQA-01	Productivity Improvement and Lean Manufacturing	2	
ACC-LMQA-03	Total Quality Management (TQM)	2	
ACC-LMQA-05	Testing of Leather and Allied Materials	2	
ACC-LMQA-02	Lean Manufacturing Sessional		1
ACC-LMQA-04	Testing of Leather and Allied Materials Sessional		1
ACC-LMQA-06	Industrial Attachment		1
Total Credits		9.0	

*T=Theory, **S=Sessional



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Skilled Manpower Development and Industry Competitiveness for the Leather Sector



Institute of Leather Engineering and Technology

ADB



ILET-SICIP at a glance

Program Title: Skilled Manpower Development and Industry Competitiveness for the Leather Sector.

Implementing Institution: Institute of Leather Engineering and Technology (ILET), University of Dhaka.

Facilitating Agency: Skills for Industry Competitiveness and Innovation Program (SICIP).

Funding Agency: Finance Division, Ministry of Finance, Government of the People's Republic of Bangladesh.

Implementation Period: September 2025 to December 2028.

Types of Training Programs

- **Post-Graduate Diploma in Leather Technology (PGDLT)**
- **Advanced Certificate Courses on**
 1. Compliance and Sustainability for Leather Sector
 2. Automation and AI for Design
 3. Lean Manufacturing and Quality Assurance

Benefits of the Training Programs

- No fees required
- Daily conveyance allowance
- Lunch support
- Internship remuneration
- Employment opportunity

Overview of the Leather Sector

Economic Significance

- Second-largest export earner after RMG, contributing 4% to exports and 0.5% to GDP.
- Employs 600,000 directly and 300,000 indirectly.
- Target: USD 12 billion exports by 2030 (2% GDP contribution).

Market and Industry Structure

- Global exports to Europe (Germany, UK) and Asia.
- 930 SMEs/large units (including 220 tanneries) and 3,500 MSMEs.
- Global reputation for fine grain, uniform fiber, and natural texture.

Challenges

- Environmental compliance limits LWG certification specifically for tanneries.
- Projected skilled manpower gap of 67,000 by 2025.

Technical Skills Gap

- Poor R&D on finishing, weak planning, outdated maintenance, and chemical management in tanneries.
- Lack of training on effluent treatment, safe chemical handling, preventive maintenance in tanneries.
- Lack of innovation and design for outdated QA systems.

Objectives of PGDLT

1. Develop mid-level management professionals with technical and managerial skills for leather industry.
2. Strengthen industry capacity in terms of productivity, environmental, social, and compliance standards.
3. Enhance productivity and efficiency through modern processes, quality assurance, and strategic management.

Expected Outcomes of PGDLT

1. Skilled mid-level managers and technical personnel to address production, quality, and compliance challenges in leather sector.
2. Improved industry productivity, compliance, and adoption of sustainable technologies.
3. At least 65% graduate employment in relevant roles at home and abroad.

Objectives of Advanced Certificate Courses

1. **Bridge Skills Gap:** Train manpower in compliance, sustainability, automation and lean manufacturing.
2. **Enhance Technology Capacity:** Build expertise in Industry 4.0 tools, AI design, and sustainable production.
3. **Improve Quality & Efficiency:** Strengthen skills in design, quality assurance, resource optimization, and productivity.
4. **Promote Inclusion & Equality:** Increase female participation and support marginalized groups under GAP and SECP safeguards.

Expected Outcomes of Advanced Certificate Courses

1. Certified supervisors, designers, technicians, and managers for modern manufacturing and compliance.
2. Jobs for unskilled individuals with pathways to higher wages, management, and self-employment.
3. At least 15% female participation and support for marginalized groups.
4. Enhanced capacity to meet international standards in quality, sustainability, and innovation.

Training Programs Summary

PGD in Leather Technology	ACC on Compliance and Sustainability for Leather Sector	ACC on Automation and AI for Design	ACC on Lean Manufacturing and Quality Assurance for Leather Sector
Term 1: 15 Credit 4 Months Term 2: 15 Credit 4 Months Term 3: 6 Credit One Month Total 36 Credit 9 Months	Term 1: 9 Credit 3 Months	Term 1: 9 Credit 3 Months	Term 1: 9 Credit 3 Months

Batch-wise Target Breakdown of Trainees

Training Program	No. of Batches	Trainees per Batch	Total Trainees
PGD in Leather Technology (PGLT)	4	30	120
Advanced Certificate Course on Compliance and Sustainability for Leather Sector	10	30	300
Advanced Certificate Course on Automation and AI for Design	10	30	300
Advanced Certificate Course on Lean Manufacturing and Quality Assurance	10	30	300
Overall Total (PGDLT and Advanced Certificate Courses)	34		1,020

Target Group for the Proposed Training Programs

(a) For Post Graduate Diploma (PGD) Course

- **Fresh Graduates**
Graduates from any university in Bangladesh, preferably with a background in science and engineering. Individuals who are keen to build their careers in the leather and allied sectors.

- **Industry Professionals**
Current employees in the leather sector who lack adequate technical knowledge in various aspects.

(b) For Advanced Certificate Courses

- **Industry Professionals**
Engineers, managers, supervisors, and technicians who have minimum 3 years of experience in the leather sectors (including tannery, footwear, and leather goods industries) but lack formal qualifications.

- **New Entrants**
Minimum HSC, those who are willing to establish their careers in the leather sector through gaining practical and technical skills.

Eligibility Criteria for PGDLT

- **Industry Professionals**
 - o Bachelor's degree + 3 years relevant work experience
 - o Under 45 years of age
 - o CGPA ≥ 2.5 /second class (may be relaxed with strong performance + employer certification)
- **Fresh Graduates**
 - o Bachelor's degree with CGPA ≥ 2.5
 - o Burning desire to build career in leather sector.

N.B.: No eligibility criteria is required for Advanced Certificate Courses except the target groups requirements.

Selection Process

- **PGDLT**
 - o Written test and viva-voce
 - o Commitment to 9-month course (coursework and internship)
- **Advanced Certificate Courses**
 - o Viva-voce, no written test required