



सीएसआईआर
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India

CSIR – CENTRAL LEATHER RESEARCH INSTITUTE (CSIR-CLRI), CHENNAI



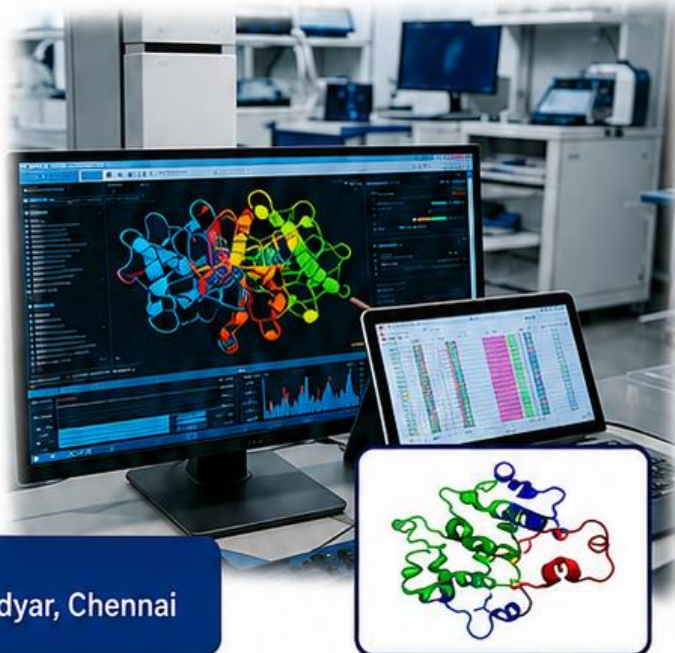
Under the Aegis of

CSIR INTEGRATED SKILL INITIATIVE (CSIR-ISI)

SKILL DEVELOPMENT PROGRAMME

2 DAYS

APPLICATION IN BIOINFORMATICS: SEQUENCE AND STRUCTURAL PERSPECTIVE



09.09.2026 – 10.09.2026



CSIR-CLRI Adyar, Chennai

★ COURSE HIGHLIGHTS

- Introduction to Bioinformatics and its applications
- Sequence alignments and database searching
- Genome sequencing and transcriptome analysis
- Structural bioinformatics – protein structure prediction and analysis
- Integrative approach of sequence and structure for biological insights
- Case studies and real-world applications

⚙ FACILITIES



Advanced Computing Lab with Bioinformatics Software



Experienced Faculty in Computational Biology



Comprehensive Training Materials and Tutorials

📁 COURSE CONTENTS

- Overview of Bioinformatics Databases (NCBI, UniProt, PDB)
- Biological Sequence Formats (FASTA, GenBank)
- Sequence Alignment Tools (BLAST, ClustalW)
- Genome Sequencing Data Analysis
- RNA-seq Data Analysis & Gene Prediction
- Protein Structure Prediction and Visualization
- Sequence and Structure Integration: Applications in Research and Industry

REGISTRATION FEES



₹ 2,000 + GST

SCAN
TO
REGISTER

- ✓ Candidates belonging to SC, ST, EWS and PWD are exempted from paying fees
- ✓ Candidates must upload Valid Certificate issued by competent authority.
- ✓ Accommodation will be provided subject to availability and on a payment basis
- ✓ No of Participants: 20 participants per batch

ELIGIBILITY

- B.Sc. (Biotechnology)
- M.Sc. (Biotechnology)
- B.Tech. (Biotechnology)
- M.Tech. (Biotechnology)

BASIC TRAINING ON LEATHER GOODS DESIGN AND MANUFACTURING



17.09.2026 to 18.09.2026
(2 DAYS)



CSIR-CLRI, Adyar, Chennai



COURSE HIGHLIGHTS

- Learn leather goods design basics.
- Develop practical manufacturing skills.
- Create quality leather products.
- Gain hands-on industry experience.
- Enhance creativity and craftsmanship.



FACILITIES / RESOURCES



Leather Goods Lab and Design studio



Experienced Faculty



Industry-Oriented Curriculum



WHO CAN ATTEND?



Candidates with Diploma or any Degree can apply.

REGISTRATION FEE



₹ 2,000 + GST

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No of participants: 20 participants per batch



Diploma / Any Degree can apply

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SKILL DEVELOPMENT PROGRAMME

5 DAYS

INDUSTRIAL ENGINEERING FOR FOOTWEAR FACTORY



21.09.2026 – 25.09.2026
(5 DAY)



CSIR-CLRI,
Adyar, Chennai

★ COURSE HIGHLIGHTS

- Introduction to footwear factory operations.
- Study of production process and work flow.
- Machine layout and work place arrangement.
- Material handling and movement.
- Work measurement and time study basics.
- Production planning and scheduling.
- Quality control at each stage.
- Improve productivity and reduce waste.

⚙️ FACILITIES / RESOURCES



Pilot Plant Facility &
Footwear Manufacture



Experienced Faculty



Industry Oriented
Training Material



COURSE CONTENTS

- Overview of Footwear Industry
- Footwear Manufacturing Process
- Plant Layout and Department Functions
- Material Handling Methods
- Work Study and Time Measurement
- Line Balancing Basics
- Production Planning
- Quality Check Points

REGISTRATION FEE



₹ 5,000 + GST

SCAN
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No of participants: **20 participants per batch**



ELIGIBILITY: Candidates with **diploma or any degree can apply.**



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CSIR-Central Leather Research Institute
Adyar, Chennai - 600020

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SKILL DEVELOPMENT PROGRAMME

1 MONTH

ORIENTATION PROGRAMME IN LEATHER MANUFACTURE

Gain practical knowledge and skills in the Indian leather industry, understand manufacturing processes, quality control, and build a strong foundation for a successful career.



INDUSTRY
OVERVIEW



MANUFACTURING
PROCESSES



DEVELOPMENT



QUALITY
& TESTING



MANAGEMENT
SKILLS



01-09-2026 to 30-09-2026
(1 MONTH)



CSIR-CLRI,
Adyar, Chennai

★ COURSE CONTENTS

- Overview of Indian Leather industry
- Introduction to Leather manufacture & different types of Finished Leathers
- Unit operations/ process in leather manufacture- Pre tanning, Tanning, Post tanning & Finishing
- Practical aspects of leather manufacture- Different types of finished leathers

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⚙️ FACILITIES / RESOURCES



Full fledged tannery



Testing laboratory



Expert guidance by
experienced trainers



Industry-Oriented
Curriculum



Access to wide range of
materials & resources



REGISTRATION FEES

₹ 25,000/-
+ GST



IMPORTANT NOTES

- Registration is limited to 25 participants.
- Candidates must upload valid certificate issued by competent authority
- Accommodation will be provided subject to availability & on payment basis.



ELIGIBILITY:

Candidates with **any degree or diploma** can apply.



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SKILL DEVELOPMENT PROGRAMME

18 MONTHS



P.G. DIPLOMA IN LEATHER TECHNOLOGY



Gain comprehensive knowledge of leather processing, technology operations and business aspects to build a successful career in the leather industry.



01.09.2026 – 28.02.2028
(18 MONTHS)



CSIR-CLRI,
Adyar, Chennai

★ COURSE HIGHLIGHTS

- Gain knowledge of selection, curing & preservation of hides/skins
- Study pre-tanning, tanning, post-tanning & preparation of different finished materials
- Understand processing machinery, physical & chemical testing and standards

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⚙️ FACILITIES / RESOURCES



Full fledged tannery



Testing laboratory



Expert guidance by
experienced trainers



Industry-Oriented
Curriculum



Access to wide range of
materials & resources



ELIGIBILITY:

Candidates with **any degree or diploma** can apply.



REGISTRATION FEE
₹ 75,000+GST



IMPORTANT NOTES

- Registration is limited to 30 participants.
- Candidates must upload valid certificate issued by competent authority.
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TRANSFORMATION OF INDUSTRY 4.0 IN FOOTWEAR FACTORY



05.10.2026 – 16.10.2026
(12 DAYS)



CSIR-CLRI,
Adyar, Chennai



★ COURSE HIGHLIGHTS

- Introduction to Industry 4.0 in footwear sector
- Smart factory and digital transformation basics
- Automation and robotics simulation in footwear manufacturing
- Understanding new technologies and tools in footwear industry
- Better planning and production control
- Future trends in footwear industry

⚙️ FACILITIES / RESOURCES



Smart Manufacturing
Techniques in
Footwear



Experienced Faculty



Industry-Oriented
Training Material



Audio-Visual Aids

📁 WHAT YOU WILL LEARN

- Understand Industry 4.0 concepts in simple way
- Learn about smart machines and sensors
- Use basic software for production monitoring
- Improve production and reduce waste
- Make better use of manpower and machines

REGISTRATION FEE



₹ 10,000 + GST

SCAN TO
REGISTER



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No of participants: **20 participants per batch**



ELIGIBILITY: Candidates with **diploma or any degree can apply.**



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Learn • Innovate • Work Better.



SKILL DEVELOPMENT PROGRAMME

5 DAYS

VALUE ADDITION AND SOLID WASTE MANAGEMENT FROM TANNERY & CETP

Explore innovative technologies and practical approaches for value addition and sustainable management of tannery solid waste and CETP to promote a circular and resource-efficient leather industry.



07.09.2026 – 11.09.2026
(5 DAYS)



CSIR-CLRI,
Adyar, Chennai

★ COURSE HIGHLIGHTS

- Overview of tannery solid wastes and their characteristics
- Technologies for value addition of solid wastes
- Production of useful products from tannery wastes
- Solid waste management strategies and best practices
- Environmental and economic benefits of waste valorization
- Regulatory guidelines and sustainability aspects
- Case studies and real-time applications

⚙️ FACILITIES



Well-equipped
Laboratories and
Pilot Facilities



Experienced Faculty
and Technical Experts



Practical and Simple
Teaching Materials



COURSE CONTENTS

- Introduction to Tannery Solid Wastes
- Characterization of Tannery Solid Wastes
- Technologies for Value Addition
- Bio-conversion and Composting Approaches
- Recovery of Chemicals and By-products
- Production of Construction Materials from Tannery Wastes
- Solid Waste Management Systems
- CETP – Operations and Management
- Environmental Impact and Life Cycle Assessment
- Policies, Regulations and Case Studies

REGISTRATION FEE



₹ 5,000 + GST

SCAN
TO
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No of participants: **20 participants per batch**



ELIGIBILITY:

Any Degree / Diploma



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SKILL DEVELOPMENT PROGRAMME

3 DAYS

WASTEWATER ANALYSIS FOR INDUSTRY PERSONNEL

Gain practical knowledge and hands-on skills in wastewater analysis to ensure environmental compliance and sustainable industrial practices.



21.09.2026 – 23.09.2026
(3 DAYS)



CSIR-CLRI,
Adyar, Chennai

★ COURSE HIGHLIGHTS

- Understand wastewater characteristics and quality parameters
- Hands-on training on sampling and sample preservation
- Analysis of physical, chemical and biological parameters
- Use of modern instruments and analytical techniques
- Data interpretation and report preparation
- Environmental regulations and compliance

⚙️ FACILITIES



Well-equipped Water and Waste Water Analysis Laboratory



Experienced Faculty and Technical Experts



Practical and Simple Teaching Materials



COURSE CONTENTS

- Introduction to Wastewater and its Sources
- Water Quality Parameters – Physical, Chemical & Biological
- Sampling Techniques and Sample Preservation
- Estimation of pH, TDS, TSS, BOD, COD, Chlorides, Hardness, Alkalinity, etc.
- Instrumental Methods in Water Analysis
- Data Analysis, Interpretation and Reporting
- Environmental Standards and Regulatory Compliance
- Case Studies and Practical Exercises

REGISTRATION FEE



₹ 3,000 + GST

SCAN
TO
REGISTER



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No of participants: 20 participants per batch



ELIGIBILITY: ANY DEGREE / DIPLOMA