



सीएसआईआर
CSIR
भारत का नवाचार इंजन
The Innovation Engine of India

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

Under the Aegis of

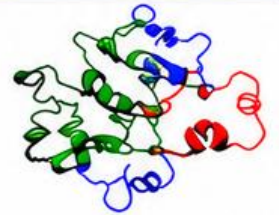
CSIR INTEGRATED SKILL INITIATIVE (CSIR-ISI)

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, OBC(NCL) 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)

044-24437124

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CSIR - Central Leather Research Institute
Adyar, Chennai - 600020

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



SCAN
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₹ 2,000
+ GST



Candidates belonging to SC, ST, OBC(NCL), 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 payment basis



No of participants: 20 participants per batch



Diploma / Any Degree can apply



INDUSTRIAL ENGINEERING FOR FOOTWEAR FACTORY

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.



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
and Technical Experts



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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Candidates belonging to **SC, ST, EWS, OBC (NCL)** 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 payment basis



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



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





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

SCAN TO REGISTER



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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



PROCESSING



TECHNOLOGY



QUALITY



SUSTAINABILITY



MANAGEMENT

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

SCAN TO REGISTER



⚙️ FACILITIES / RESOURCES



Full fledged
pilot tannery



Testing laboratory



Expert guidance by
experienced trainers



Industry-Oriented Curriculum



Access to wide range of
materials & resources



REGISTRATION FEE
₹ 75,000+GST



IMPORTANT NOTES

- Registration is limited to 30 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

12 DAYS

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



Candidates belonging to SC, ST, EWS, OBC(NCL) and PWD are exempted from paying fees



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Accommodation will be provided subject to availability and on payment basis



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



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



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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
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REGISTER



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No of participants: 20 participants per batch



ELIGIBILITY: Any Degree / Diploma

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Plan Better. Use Resources Well. Improve Everyday.



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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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ELIGIBILITY: ANY DEGREE / DIPLOMA



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