



DEPARTMENT OF LEATHER TECHNOLOGY
(Housed at CSIR-CLRI, Adyar, Chennai - 600020)
AC TECH CAMPUS, ANNA UNIVERSITY
CHENNAI 600025, INDIA

Dr. K J Sreeram
Head of the Department

Lr. No. DLT/CAC/Updated Syllabus for TANCET/CEETA-PG 2026

Date: 13-03-2026

To

The Director
Centre for Academic Courses
Anna University
Chennai – 600 025.

Through: The chairperson, Faculty of Technology, AC Tech

Respected Sir/Madam,

Sub: Department of Leather Technology - Updated Syllabus for TANCET/CEETA -
PG 2026

Ref: Lr.No.800/Entr./CAC/2025-26, Dated: 09.03.2026

With reference to the letter cited above, the updated syllabus for the TANCET/CEETA-PG 2026 Entrance Examination for the Department of Leather Technology is attached herewith. The same shall be utilized for the forthcoming academic session.

Yours truly,

(K J Sreeram)

Dr. K. J. SREERAM

HEAD, DEPARTMENT OF LEATHER TECHNOLOGY
AC TECH, Housed at CSIR - CLRI, ANNA UNIVERSITY
Adyar, CHENNAI - 600 020.

Address for Correspondence: Centre for Academic and Research Excellence
CSIR-Central Leather Research Institute, Adyar, Chennai-600020.
Phone: 91-44-24437417/1
Email: hodleather@annauniv.edu

DEPARTMENT OF LEATHER TECHNOLOGY
TANCET/CEETA-PG 2026 – UPDATED SYLLABUS

LEATHER TECHNOLOGY

Pre Tanning Operations: Hides & Skins Histological characteristics structure of hides & skins defects - curing & preservation methods - soaking, unhairing, liming, deliming, bating, pickling and degreasing - Their objectives & principles involved. Biochemistry of collagen and other substances - chemicals & auxiliaries used in pre-tanning operations - General pretanning processes for manufacture of different types of leathers - Ecofriendly Operations Physical and chemical testing - Standards and quality control measures in pretanning. By products of animal and tannery operations.

Tanning Operations: Tanning materials - Vegetable, mineral and organic - their classification - chemistry & Technology of tanning materials & methods - characterization manufacture & analysis of various tanning materials. Theory & mechanism of tanning.

Post Tanning and Finishing Operations: Retanning, dyeing - fatliquoring and finishing operations - Their objectives & principles - chemicals used for the above unit operations - Syntans, fatliquors, dyes, dye-auxillaries, pigments, acrylic and protein binders, wax emulsion, fillers, topcoats, NC, CAB lacquers and lacquer emulsions, feel modifiers, their nature & properties in finishing - machinery & methods for post tanning and finishing operations - upgradation methods chemical and physical properties required for various finished leathers - physical & chemical testing of finished leathers - Tannery Effluent treatment - Effluent treatment plant - Liquid and solid waste management.

Leathers & Leather Products: Various types of leathers upper, sole, garment, leather goods, sports & specially leathers - their characteristics. Leather supplement and synthetics - Design & manufacture of footwear, leather goods & garments. Leather Economics and Industrial Management - Project feasibility reports - organization & management of leather sector - marketing & export of leather & products Machines for leather products manufacture - mechanics & operation - IT applications for leather & product design. Professional Ethics and human values, Sustainability and Eco marks.



Head

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