

Syllabus For the trade
of

LEATHER GOODS MAKER

(SEMESTER PATTERN)

UNDER
CRAFTSMEN TRAINING SCHEME

Designed in 2013

By

Government of India
Central Staff Training and Research Institute
Directorate General of Employment & Training
Ministry of Labour & Employment
EN-81, Sector-V, Salt Lake City,
Kolkata-700091

List of the Trade Committee Members Designed and approved the syllabus for the trade of "Leather Goods Maker " under CTS.

Sl. No.	Name & Designation S/Sri.	Organisation	Remarks
1.	Deepankar Mallick	Director of Training, DGE&T, New Delhi	Chairman
2.	Sukhdev Singh, Joint Director	ATI- Kanpur	Member
3.	P.N. Yadav, Dy. Director	ATI- Kanpur	Member
4.	S.K.Singh, Principal	Government, Leather Institute Kanpur	Member
5.	Irsad Mirza, Proprietor	Mirza International, Kanpur	Member
6.	D.N.Swami, Lecturer	Govt. Leather Institute Kanpur	Member
7.	Naresh Kumar, Lecturer	Govt. Leather Institute Kanpur	Member
8.	H.S. Nigam, V.I.	ATI Kanpur	Member
9.	P.K. Bhattachyara, Scientist	Central Leather	Member
10.	Suman Chatterjee, lecturer	H.B.T.I.kanpur	Member
11.	Col.S.Haque, Principal	Mirza Foundation	Member
12.	Suresh Kumar, Technician	Mirza Foundation	Member
13.	Suhail Ahmad, Supervisor	Mirza Foundation	Member
14.	Satish Kumar, Senior supervisor	International Ltd.	Member

List of members attended the Workshop to finalize the syllabi of existing CTS into Semester Pattern held from 6th to 10th May'2013 at CSTARI, Kolkata.

Sl. No.	Name & Designation	Organisation	Remarks
1.	R.N. Bandyopadhyaya, Director	CSTARI, Kolkata-91	Chairman
2.	K. L. Kuli, Joint Director of Training	CSTARI, Kolkata-91	Member
3.	K. Srinivasa Rao, Joint Director of Training	CSTARI, Kolkata-91	Member
4.	L.K. Mukherjee, Deputy Director of Training	CSTARI, Kolkata-91	Member
5.	Ashoke Rarhi, Deputy Director of Training	ATI-EPI, Dehradun	Member
6.	N. Nath, Assistant Director of Training	CSTARI, Kolkata-91	Member
7.	S. Srinivasu, Assistant Director of Training	ATI-EPI, Hyderabad-13	Member
8.	Sharanappa, Assistant Director of Training	ATI-EPI, Hyderabad-13	Member
9.	Ramakrishne Gowda, Assistant Director of Training	FTI, Bangalore	Member
10.	Goutam Das Modak, Assistant Director of Trg./Principal	RVTI, Kolkata-91	Member
11.	Venketesh. Ch. , Principal	Govt. ITI, Dollygunj, Andaman & Nicobar Island	Member
12.	A.K. Ghate, Training Officer	ATI, Mumbai	Member
13.	V.B. Zumbre, Training Officer	ATI, Mumbai	Member
14.	P.M. Radhakrishna pillai, Training Officer	CTI, Chennai-32	Member
15.	A.Jayaraman, Training officer	CTI Chennai-32,	Member
16.	S. Bandyopadhyay, Training Officer	ATI, Kanpur	Member
17.	Suriya Kumari .K , Training Officer	RVTI, Kolkata-91	Member
18.	R.K. Bhattacharyya, Training Officer	RVTI, Trivandrum	Member
19.	Vijay Kumar, Training Officer	ATI, Ludhiana	Member
20.	Anil Kumar, Training Officer	ATI, Ludhiana	Member
21.	Sunil M.K. Training Officer	ATI, Kolkata	Member
22.	Devender, Training Officer	ATI, Kolkata	Member
23.	R. N. Manna, Training Officer	CSTARI, Kolkata-91	Member
24.	Mrs. S. Das, Training Officer	CSTARI, Kolkata-91	Member
25.	Jyoti Balwani, Training Officer	RVTI, Kolkata-91	Member
26.	Pragna H. Ravat, Training Officer	RVTI, Kolkata-91	Member
27.	Sarbojit Neogi, Vocational Instructor	RVTI, Kolkata-91	Member
28.	Nilotpall Saha, Vocational Instructor	I.T.I., Berhampore, Murshidabad, (W.B.)	Member
29.	Vijay Kumar, Data Entry Operator	RVTI, Kolkata-91	Member

GENERAL INFORMATION

1. Name of the Trade :- LEATHER GOODS MAKEER(New name Footwear Management)
2. N.C.O. Code No :- 809.10, 809.20, 809.30,809.40
3. Duration :- One year (Two Semesters)
4. Power Norms :- 4 KW
5. Space Norms :- 72 sq. mtrs.
6. Entry Qualification :- 8th class passed

7. Unit size(No.of Student) :- 16 trainees

8. Instructor's/Trainer's Qualification :- (i) NTC/NAC in Leather Goods Maker trade with Three years Experience.
OR
(ii) Diploma in Leather Goods Maker / Leather Technology with two Experience
.OR
(iii) Degree in Leather Goods Maker/ Leather Technology with one year Experience.

- 9 Desirable Qualification : Preference will be given to a candidate with Craft Instructor Certificate (CIC) CITS in Leather Goods Maker trade..

Note: At least one Instructor must have Degree/ Diploma in Relevant Field

SYLLABUS FOR THE TRADE OF LEATHER GOODS MAKER UNDER C.T.S

Duration: Six month

First Semester

Semester Code: LGM: SEM I

WEEK NO.	Trade PRACTICAL	Trade THEORY
1-2	Familiarization with the Institute. To make the trainees familiar with the shop discipline, layout of the shop, layout of the machines, equipment, etc. installed in the shop.	Introduction to the trade, Importance of the trade in the development of the industrial economy of the country. Knowledge of General Safety, Occupational health and hygiene.
2-4	Various types of hides & skins and fancy leather skins. Their qualities and application, limitation and treatment. Oil dressed and axed leathers and their uses. Effects of water, acids, alkalis, friction and heat on leather and its substitutes. Types of finished leather (CG, PG, Fur, Suede leather, Oil pull-up, NUBUCK, NAPPA, WAXY, etc.)	Identification & character of various leather materials, other substitutes, types & essential characteristics for different uses. Their identification and selection. Their parts and suitability for various purposes.
5-7	Freehand sketching of basic designs of Leather goods. Designing and the various edge treatment, folded edge, bagged edge, gimped edge & piping etc. Curing of hides and skins. Preparation of patterns for coin purse, wallets, hand bags, portfolio, etc. Pattern making and template making for different types products. Preparation of pattern for upper and lining materials.	Hides and Skins-their structure and quality. Stretch in skins-its extent and direction. Tanning process-Pre tanning and Post tanning. Tanning of hides and skins and their types and their essential characteristics for different uses. Their identification and selection. Pattern and styles, their names and description. . Drawing of different types of leather goods.
4-5	Manufacturing of cut edged articles, Turn edged articles, Unstaffed articles, built up articles, molded articles. Cutting, punching, Edges and their kinds. Sewing operation. Fixing buckles, sears, their types and treatment. Varieties of stitches used in leather goods. preparation and application of adhesive.	Types of lining materials. Different grinders used for leather products. Use of synthetic materials in combination with leather used for articles. Adhesives employed in leather work, their names and description. Technical terms applicable to the trade, such as darji, kafai, framing, blocking, etc.
8-10	Antique treatment. Embossing and finishing of leather products. Cleaning and glossing of types of leather and their methods. Marks and blemishes-their character and processes for removal.	Finishing processes abrasion and their description. Waxes and inks used in finishing, their names and application.

11-13	Practice on artistic leather work, modeling, application of modeling, embossing, embossed leather goods. Spirit colour used in leather work.	Knowledge of artistic leather work, modeling, types of modeling, embossing, embossed leather goods. Spirit colour used in leather work.
14-16	Making of various types of leather goods.	General costing of leatherwork. Costing methods for materials by weight and by measurement.
17-19	Practice on use of various substitute materials of leather and method of application. & their uses.	Familiarization of different substitute materials of leather –their identification, type, characteristics, method of application. & their uses.
20-22	Economical adjustment of cutting leather and lining for various products. Preparation of cost sheet. Calculation of consumption and wastage materials.	Wastages, its proportions and limits. Waste cutting and their utilization. Different types of treatment for storage. Preservation and storing of raw materials.
23-24	Quality control and inspection of leather products.	Packing and forwarding of finished products of leather goods items.
25	Project work / Industrial Visit (optional)	
26	EXAMINATION	

SYLLABUS FOR THE TRADE OF LEATHER GOODS MAKER UNDER C.T.S**Duration: Six month****Second Semester****Semester Code: LGM: SEM II**

WEEK NO.	Trade Practical	Trade Theory
01	Familiarization of practical training to be followed, maintenance and handling of tools and equipment of the section.	Knowledge of Machine, Equipment and power operated machine required for the making of various leather goods products. knowledge of electrically operated tools.
2	Safety precautions including firefighting equipment, Accidents, First Aid practice and treatment.	Safety precautions. Elementary First Aid and treatment. First Aid Box Identification.
3-4	Working Practice on different hand tools used in the shop. Application of indenting process of tools from store. Familiarization of operating procedure related to different m/cs & equipments. Rectification of common machine faults.	Identification of hand tools used by a trainee in the section, their kinds, uses, names and function, process of holding. Machines and needles employed in general leather work, their nomenclature and description, operational principles and use.
5-6	Care and maintenance of hand tools and machines and equipment. Safety precautions. Its importance, cleanliness of the shops. Sharpening of tools, scissors, knives & other cutting tools, method and process of holding the tools.	Special Tools used for leather making, their kinds, uses and materials from which they are made. Their names and functions. Specification of different tools used in leather goods manufacture- their nomenclature and description.
7-8	Practice on Leather Cutting by hand and machine. Practice of using Ornamental materials. Preparation of specification for Ornamental materials on leather.	Description of various types of machines used for different type of leather sewing. Description of various fittings such as locks, hurdles, caners, rollers, fasteners, hinges, buckles, rivets, etc. Identification of plating and evaluation of their quality and appropriate uses in the manufacture of leather goods. Various Ornamental materials and uses.
9-10	Sequence of operations for manufacturing of various types of leather products.	Thronging by hand, types of thronging, designing, methods of coloring, etc. Use of leather thongs in leather goods.
11-12	General maintenance of machines, equipments and tools. General maintenance system of machines, equipments and tools.	Chrome leather, suitcase leather, embossed leather, betting leather, Leather for industry Leather goods. General maintenance system of machines, equipments and tools.
13-14	General repairs of different types of leather goods.	Commercial calculations cost of finished products and their selling prices. Overhead cost and their distribution over production.

		Marketing of finished products. Selling methods.
15-17	Cutting out and sewing hold alls, bedding rolls, valises.	Selection of leather for various leather articles, types of leather used for different articles and their characteristics.
18-20	Practice of quality and appropriate uses in the manufacture of leather goods and Various Ornamental materials used in leather goods making	Identification of plating and evaluation of their quality and appropriate uses in the manufacture of leather goods. Various Ornamental materials and uses.
21-22	Practice on different Electrical and hand operated Machine	
23-24	Training on entrepreneur development so that enable the trainees to start his own small scale Industries.	
25	REVISION	
26	EXAMINATION	

TRADE: LEATHER GOODS MAKER

LIST OF TOOLS & EQUIPMENT

A. TRAINEES TOOL KIT FOR 16 TRAINEES+ ONE

SL. NO.	NAME OF THE ARTICLES	QUANTITY
1.	Polypropylene board 40 x 40 x 10 cm	17 nos.
2.	Wooden block 30 x 10 x 10 cm	17 nos.
3.	Wooden clamp (standard size)	17 nos.
4.	Steel clamp rule 300 mm	05 nos.
5.	Steel clamp rule 600 mm	05 nos.
6.	Set square	17 nos.
7.	Strap cutter	05 nos.
8.	Compass	17 nos.
9.	Divider 20 mm	17 nos.
10.	Divider with scale 20 cm.	05 nos.
11.	Scissor 150 mm	17 nos.
12.	Scissor 300 mm	17 nos.
13.	Scissors for cutting zig – zig 200 mm	17 nos.
14.	Clicking Knives	05 nos.
15.	Designer Knives	05 nos.
16.	Sniper 2" - 3"	05 nos.
17.	Sniper 6"	17 nos.
18.	Hammer Big	17 nos.
19.	Hammer Small	17 nos.
20.	Magnetic Hammer 25 cm.	01 nos.
21.	Ladies magnetic hammer 10 cm.	17 nos.
22.	Beading hammer (folding hammer)	05 nos.
23.	Mallet	17 nos.
24.	Pincers 10 cm	17 nos.
25.	Pincers 25 cm	01 nos.
26.	Iron creaser doubles	17 nos.
27.	Wooden creaser single	17 nos.
28.	Wooden creaser doubles	17 nos.
29.	Rampis	17 nos.
30.	Curved rampis	17nos.
31.	Gultarash rampi	05 nos.
32.	Half moon shape rampi	05 nos.
33.	Awls	1 nos.
34.	Blunt awls	17 nos.
35.	Stitch marking awls	17 nos.
36.	Scriber	17 nos.
37.	Punches 1, 3, 4	17 nos.
38.	Punch set no. 1 to 10	05 nos.
39.	Revolving punches	02 set
40.	Punch (for punching holes in metal sheet / strip) 2 mm	05nos.
41.	File flat rough 90 mm	05nos.
42.	Stitching comb – assorted (1, 2 and 3 mm)	05nos.
43.	Cutting pliers 150 mm	05nos.
44.	Set of screw drivers	02 set
45.	Philips screw driver set	02 set
46.	Eye let setter with die	05nos.
47.	Measuring tape (Cottom / plastic) – 2 meter long	05nos.

48.	Leather thickness measuring Gauge (Micro)	04nos.
49.	Bench vice -0 100 mm	04nos.
50.	Flat chisel 20 mm nose width	04nos.
51.	Horns biyongi	04nos.
52.	Heel iron Electric	02 no.
53.	French curve set	02 set
54.	Modelling tool set (Tracer & modeler bewal & & tool, porker maker)	02 set
55.	Glue container and glue brushes	10 nos. each
56.	Press (Iron)	02 no.
57.	Maintenance tool	02 set

B. MACHINES

SL. NO.	NAME OF THE ARTICLES	QUANTITY
1.	Card board cutting machine 900 mm capacity (Power Operated)	01 no.
2.	Sewing machine tradle operated Flat bed (Single needle capacity) Power operated	05nos.
3.	Sewing machine power operated heavy duty	01 no.
4.	Splitting machine upper	01 no.
5.	Stamping die machine	01 no.
6.	Stamping machine table type	01 no.
7.	Cylinder bed sewing machine	01 no.
8.	Post bed sewing machine	01 no.
9.	Zig – Zag stitching machine	01 no.
10.	Skiving machine	01 no.
11.	Strap cutting machine	01 no.
12.	Edge folding machine	01 no.
13.	Roller	01 no.
14.	Splitting machine bottom	01 no.
15.	Hand eye letting machine	01 no.
16.	Bottom setting machine	01 no.
17.	Inter lock machine	01 no.
18.	Edge colouring machine	01 no.
19.	Clicking machine	01 no.

C. FURNITURES

SL. NO.	NAME OF THE ARTICLES	QUANTITY
1.	Stools wooden high 450 mm	17nos.
2.	Working desk	17nos.
3.	Working benches	05nos.
4.	Almirahs	02 nos.
5.	Show case	01 no.
6.	Instructors desk and chair	01 set