



Footwear Chronicle



a member of
SATRA
TECHNOLOGY
CENTRE

JANUARY - MARCH 2022

A Quarterly Journal by Central Footwear Training Institute, Chennai
An ISO 9001:2015 Certified Institution

Rs. 20

Volume VII

Issue 1

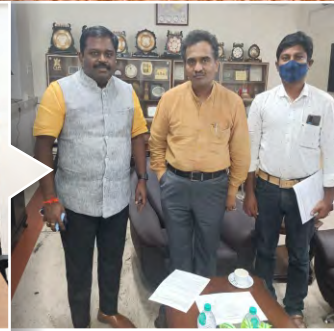
Tamil / English / Hindi



Visit of Honorable Minister Shri. Bhanu Pratap Singh Verma MoS, Ministry of MSME, Government of India at Central Footwear Training Institute (CFTI) Chennai and overview the facilities and activities of the Institute.



Shri. Murali K, Director CFTI Chennai, Ministry of MSME, GOI meets Dr. Usha Titus IAS, CMD, Additional Skill Acquisition Programme and Former Secretary Higher Education Dept, Govt of Kerala to identify for setting up of CFTI's Extension Centre in Kerala.



Shri. Murali K, Director CFTI Chennai during technical discussion with Dr. K J Sreeram, Director, CSIR-CLRI.



Central Footwear Training Institute Chennai participates in the celebrating 75 years of National Independence organised by ROB, Chennai (PIB) and the stalls were visited by Shri. Murugan Central Minister for Ministry of Information & Broadcasting, GOI



Sewing machines you can rely on

 **DÜRKOPP
ADLER**



**YOUR PARTNER
FOR DÜRKOPP ADLER
SHOEMACHINES:**
SP INTERNATIONAL
Plot No. 14, Survey No. 3/33,
Sun Garden, Kattupakkam,
Chennai - 600 056
Cellphone: +91 9444959053
vs@spi-machines.com
www.spi-machines.com

 **INTERNATIONAL**

INDEX

1.	Director's Desk	5
2.	Significant Achievements	6
3.	About the Institute	8
4.	Training Activities	11
5.	Important Events	18
6.	Indian National Footwear Sizing System	27
7.	Innovative Designs	34
8.	Footwear Tech Fest	36
9.	Technical Articles in Footwear	42
10.	Beneficiaries of CFTI	43
11.	Common Facility Services	46
12.	Tariff for Design Development Services	48
13.	CAD CAM Services	50

Central Footwear Training Institute

MSME - Technology Development Centre, Chennai

Ministry of Micro, Small and Medium Enterprises, Government of India Society

AN ISO 9001:2015 CERTIFIED INSTITUTION

65/1, GST Road, Guindy,

Chennai - 600032, Tamil Nadu, INDIA.



Central
Footwear
Training Institute



From the Director's Desk

Hello Readers,

I am glad to inform that CFTI, Chennai was the 1st to complete data collection for Indian Footwear Sizing System Project, with a combined total of 18240 measurements from Tamil Nadu, Telangana, Karnataka, Kerala and Puducherry.

I wish to share that during this quarter the Institute has conducted specialized training programmes on 110 titles with 3026 beneficiaries. Also common facility services have been provided at nominal charges to 91 footwear MSMEs. All footwear MSMEs are requested to make use of these facilities, further details are at page no.46.

In addition to regular courses CFTI, Chennai conducts skill training programmes sponsored by SC / ST Fee Reimbursement Scheme. A total of 2279 candidates have been trained. 10 rural leather artisans of Karnataka have been trained under sponsorship of KVIC. Further to this, 75 candidates sponsored under ATI scheme have completed training at our Vaniyambadi extension centre. Similarly, 69 candidates have completed training at our various training centres under the sponsorship of TNSDC.

During this quarter Shri. Bhanu Pratap Singh Verma Ministry of MSME, Government of India at Central Footwear Training Institute (CFTI) Chennai and overview the facilities and activities of the Institute CFTI, Chennai participated and put up a stall in the expo conducted for celebrating 75 years of National Independence organized by ROB, Chennai (PIB).

The Director met Dr. Usha Titus IAS, CMD, Additional Skill Acquisition Programme and Former Secretary Higher Education Dept, Govt. of Kerala to identify possibilities for setting up of CFTI's Extension Centre in Kerala.

With all support from Footwear Industry fraternity, the Institute keeps progressing.

This issue of the chronicle consists of articles on

Footwear Construction

At One's Fingertip

A story of a shoe (Hindi)

Your valuable suggestions are always welcome for the qualitative improvement of the Footwear Chronicle.

K. MURALI

Director



Significant Achievements during the month from January to March 2022



The Institute has conducted the following 110 online/offline specialization training programmes namely Finance For Non Finance, Python Developer, ISO- Safety Audit, Stock Market Trading, Artificial Intelligence, Tally ERP9, Income Tax-, Graphics Design, GST Practitioner, Facility Management, Social Media Marketing, Block Chain, Lean Six Sigma, Project Management Programme, Lean Six Sigma Black Belt, Lean Six Sigma Yellow Belt, Gold Appraisal, Digital Marketing, Electric Vehicle, Solar Power Installation, Business Accounting, Lean Six Sigma Green Belt and Industry 4.0, Cell phone Service, Chemical Products Making, Cyber Security, E-Business, Electric Vehicle, Export & Import, GeM, Gold Appraisal, Graphics Design Expert, GST Practitioner, HR Payroll, Integrated Management System, Labour Law, Lean Six Sigma, Lean Six Sigma Black Belt, Lean Six Sigma Green Belt, Project Management Programme, Property Management, Robotics Elements, Rotating Equipments, Safety Training, Social Media Marketing, Stock Market Trading, SYOB, Tally Prime and Web Designing for 3026 participants.

Skill Training Programmes (Sponsored):

- ➔ CFTI, Chennai has conducted 33 Skill Training Programmes for SC/ST Candidates in NSQF approved job roles Stitcher Goods & Garments and Footwear Stitching Operator under SC/ST fee reimbursement Scheme for 1124 participants.
- ➔ CFTI, Chennai also conducted 1st batch training Programme on Stitching Operator Footwear Job role for 50 Candidates sponsored by Central Tool Room, Ludhiana under Assistance to Training Institution (ATI) scheme at CFTI Vaniyambadi Extension centre.
- ➔ KVIC Training program has been successfully started 2 months training program for the job role of Repairing / Manufacturing of Footwear at "Athani Leather Cluster" in Hubli, Karnataka.

Foot Measurement Survey Project:

Foot Measurement Survey is being conducted at various states by CFTI Chennai Teams. During the reporting month 1308 measurements have been taken in Tamilnadu, 1669 in Telangana, 2893 in Karnataka, 1720 in Kerala, 1326 in Andhra Pradesh and 237 in Puducherry, with this a total of 9153 measurements have been completed.

Indian Footwear Sizing System Project, for Development of Indian National Footwear Sizing System, in which CFTI acts as a synergetic partner with CSIR-CLRI, to conduct 100000 foot measurements pan India. CFTI, Chennai was allotted with a target of 18000 foot measurements for various age groups. CFTI, Chennai was the first synergy partner to successfully complete the allotted



Significant Achievements during the month from January to March 2022



target covering the states of Tamilnadu, Kerala, Karnataka, Andhra Pradesh, Telangana and Union territory of Puducherry. 18111 Foot measurements were taken from various age groups at schools, colleges, factories and housing societies and completed the assignment.

Events:

- ➔ Honorable Minister Shri. Bhanu Pratap Singh Verma, Ministry of MSME, Government of India visited Central Footwear Training Institute (CFTI) Chennai to overview the facilities and activities of the Institute and had discussion with Shri. Murali K, Director, CFTI Chennai on performance and review the activities of the Institute.
- ➔ Shri. Sandanam Prakash, Mayor of Matale municipal council, Srilanka visited Central Footwear Training Institute Chennai (CFTI) along with his staff members to seek help in the area of training to the people of Srilanka.
- ➔ Shri. Murali K, Director CFTI, Chennai attended the Governing Council Meeting of Leather Sector Skill Council LSSC, along with Shri. Aqueel Ahemd, Chairman LSSC, Shri .Sanjay Lekha, Chairman CLE, Shri. Selvam IAS, ED CLE, CLE LSSC and other prominent members and Industrialists from across the country.
- ➔ A “Boot camp” was organised by Leather Sector Skill Council (LSSC) for the 20 selected students from the South, Regional Skill Competition which was held at CFTI, Chennai were trained at CFTI’s Extension Centre at Vaniyambadi.
- ➔ India National Skills Competition 2021 Grand Opening ceremony was held at New Delhi, Talkatora Indoor stadium. Participants from Tamilnadu and Shri. Mothesh Kumar participated in leather shoe making representing CFTI, Chennai
- ➔ Shri. Murali K, Director, CFTI Chennai participated along with his team & exhibit a stall in the “Machinery Expo-2022” organized by DIC, Government of Kerala at Jawaharlal Nehru Stadium Ground, Cochin, Kerala
- ➔ Shri. Murali K, Director CFTI Chennai, Ministry of MSME, GoI meets Dr. Usha Titus IAS , CMD, Additional Skill Acquisition Programme and Former Secretary Higher Education Dept, Govt. of Kerala to identify for setting up of CFTI’s Extension Centre in Kerala.



ABOUT THE INSTITUTE



CENTRAL FOOTWEAR TRAINING INSTITUTE (CFTI), Chennai an autonomous Institution under Ministry of Micro Small & Medium Enterprises, Government of India, has been working for development of Human Resources for Footwear & Allied Industries since 1957. The Institute was modernized through UNDP in 1993 and equipped with complete set of modern infrastructure. It conducts various Long term, Short term and Part time techno managerial courses in Footwear, Leather Goods and allied subjects. The Two year Diploma course in "Footwear Design and Production" is accredited with Textile Institute, London and Leicester College of Footwear, UK.

AIM OF THE INSTITUTE

- (a) To provide training and related inputs to develop and augment a class of trained personnel in Footwear Technology and Allied Industry in the country.
- (b) To develop human resources in Footwear and Allied Industry by introduction of advanced training methods and courses, appropriate knowledge and skills to promote rapid growth of footwear and allied industry in the country.
- (c) To promote in general and particular, the Indian Footwear Industry to attain international standards of production.

INFRASTRUCTURE

- The Institute is endowed with complete infrastructure for conducting training programmes.
- Land & Building at prime location in Chennai.
- Equipped with complete set of modern machinery tools equipments.
- Important Footwear Manufacturing & Material testing machines.
- Well equipped library with text books, periodicals, journals design magazine, SATRA bulletins & handouts related to footwear technology, industry management and trade.
- Teaching aids including OHP, Slide & LCD Projector, Audio, Video System & Computer, with shoe CAD facilities.
- Qualified, trained and Experienced Faculty.



OPPORTUNITY FOR STUDENTS

- Highly prospective career to suit the need of Footwear and Allied Industry in appropriate levels.
- Self-Employment by establishing own Industry of the Trade.
- 95% placement record till date.
- Suitable base for higher studies in Footwear field.
- Study at Leicester college of Footwear, UK.

OPPORTUNITY FOR ENTREPRENEURS & INDUSTRY

- Providing Techno-Managers to Footwear Industries.
- Technical Consultancy Services to existing and prospective Industries.
- Common Facility Services with Modern machinery including Shoe CAD.
- Process cum Product oriented EDP on Footwear, Leather Goods and Allied Industries.
- Availability of relevant information of Footwear Industry.
- Services of Die - Less Cutting System, PU Pouring Machine, Laser Cutting & Engraving machine.

PRODUCT RESEARCH AND DEVELOPMENT & SHOE CAD

The Institute through PRD Cell, undertakes:

- Responsibility of New Product development as per the given specification and concept.
- Development of Master Patterns and Grading of the components to different sizes through latest shoe CAD.



- Conversion of Different pattern files and cutting the patterns there of through Universal Converter system.

- Training on Shoe CAD.

OTHER ACTIVITIES

- Skill Upgradation Courses for Rural Artisans.
- Exclusive courses for SC/ST, BC/MBC and Women candidates.
- Courses for International Participants.
- Linkage with Footwear related Industry, Trade, Association and Organisations.
- Need Based Training Program for Industry, sponsored candidates.
- Specialized training programs on Productivity & Quality improve-ments.
- Patronized with "The Textile Institute, London, UK".
- Member of SATRA, UK
- 2 years Diploma Course approved by TI I Leicester College of Footwear Technology, London and Leicester College of Footwear, UK

SERVICE TO THE FOOTWEAR INDUSTRY

CFTI through its State of the art machinery provides common facility services to the footwear industries. With the latest machines the Die-Less Cutting System, Sole mould making plant and PU Pouring machine expects to expand the service network to the industry. Further to this the Ambur Sub-Centre of CFTI caters the service needs of the Footwear Industries of Ambur, Ranipet & Vellore.

M/S. SP INTERNATIONAL -
Proud official dealer of Dürkopp Adler
Shoe machines - world renowned brand

Company SP International, established in year 2019, proudly works as an authorized sales representative for Dürkopp Adler shoemachines in India. We have employees with experience in this field since 2005. Under management of Mr. Suresh V. company SP International offers a wide range of Dürkopp Adler sewing machines for the shoe manufacturers. Our experts understand your needs and provide solutions to all your requests related to uppermanufacturing. The aim of SP International is to provide the best solution and assistance to our customers - with DA shoe machines.

Our technology supplier is company Minerva Boskovice a.s. located in Czech Republic. It is one of the subsidiaries of German company Dürkopp Adler. Company Minerva is manufacturer of industrial sewing machines under supervision of Dürkopp Adler. Established in 1871, Minerva company has 140-years tradition of sewing machines manufacturing. Minerva produces wide range of sewing machines for shoe production, leather goods, garments and automotive under ISO standards and with CE certificate. Company's know how is based on technical skills and

innovative potential of their employees.

Shoe machines Dürkopp Adler - provided by SP International - PROVEN TECHNOLOGY YOU CAN RELY ON.

In 2020, representatives of SP International and Minerva had established a co-operation with Central Footwear Training Institute (CFTI) in Chennai. During visit of the institute, they were impressed about advancement in technology and the way the institute is managed. They met Mr. K. Murali, the Honorable Director of the CFTI and had agreed to provide latest Dürkopp Adler shoe machines for institute.

Machines were provided to Central Footwear Training Institute (CFTI) for training purposes of students pursuing Diploma and Post Graduate Diploma in "Footwear Design and Production" and also for the upcoming industrial employees to train and acquire skills for the highest productivity managed by latest stitching technology.

Together, we are convinced in better future that starts now - through our young generation.

Central Footwear Training Institute - THE KEY FOR YOUR SUCCESS !



888-160020-M

- ❑ Highest Precision on stitch locking even during sewing speed changes.
- ❑ Low noise and vibration.
- ❑ Easy throat plate change without tools.
- ❑ Simple needle guard adjustment by screw.
- ❑ Lubricating system with central oil tank and oil pump.



878-160722-M

- ❑ Capability of roller presser and wheel feed speed ate quick changing in large scope (gathering function).
- ❑ Programmable stitch length adjustment by means of integrated step motor.
- ❑ Programmable sewing foot pressure and sewing foot lifting height by means of integrated step motor.
- ❑ Electronic needle positioning and moving to a start-stitch position by jog dial.



888-460522

- ❑ Independently disconnect able left / right needle.
- ❑ Integrated 2nd stitch length and switchable thread tension.
- ❑ Electro-pneumatic seam back-tacking and pressure foot lift.



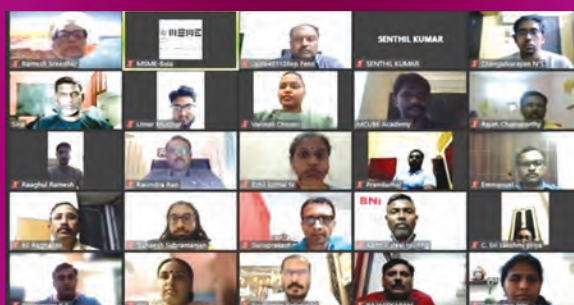
Specialised Training Programmes

Special Training Programmes-Wrokshop / Online Seminars (Self Financing)

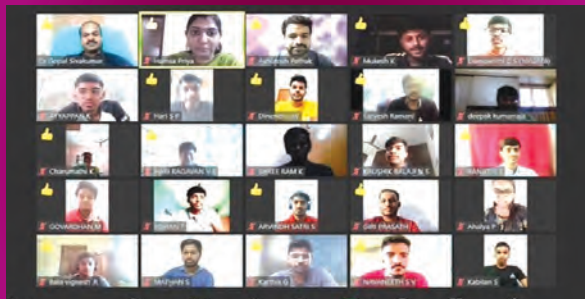


Various specialized training programs organized by the specialized training division during from January to March 2022. The objectives of conducting these training programs to enhance basic skills, up skilling in the restive field also to motivate the participants towards entrepreneurship. The program organized such as Finance For Non Finance, Python Developer, ISO- Safety Audit, Stock Market Trading, Artificial Intelligence, Tally ERP9, Income Tax- , Graphics Design, GST Practitioner, Facility Management, Social Media Marketing, Block Chain, Lean Six Sigma, Project Management Programme, Lean Six Sigma Black Belt, Lean Six Sigma Yellow Belt, Gold Appraisal, Digital Marketing, Electric Vehicle, Solar Power Installation, Business Accounting, Lean Six Sigma Green Belt and Industry 4.0, Cell phone Service, Chemical Products Making, Cyber Security, E-Business, Electric Vehicle, Export & Import, GeM , Gold Appraisal, Graphics

Design Expert, GST Practitioner, HR Payroll, Integrated Management System, Labour Law, Lean Six Sigma, Lean Six Sigma Black Belt, Lean Six Sigma Green Belt, Project Management Programme, Property Management, Robotics Elements, Rotating Equipments, Safety Training, Social Media Marketing, Stock Market Trading, SYOB, Tally Prime and Web Designing for 3026 participants.



Conducts "Stock Market Trading" training on demand based self financing mode in order to enhance skills.



"Lean Six Sigma Yellow Belt" training on demand based self financing mode in order to enhance skills.



"Digital Marketing" training on demand based self financing mode in order to enhance skills.



Graphics Design-To provide tecnical aspects to get job opportunity and as well as encourage them to start business



"Solar Power Installation" training on demand based self financing mode in order to enhance skills.



Specialised Training Programmes



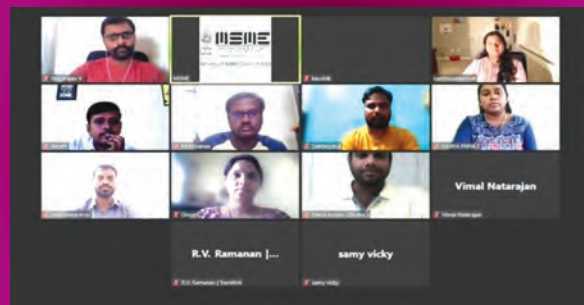
"Digital Marketing" training on demand based self financing mode in order to enhance skills.



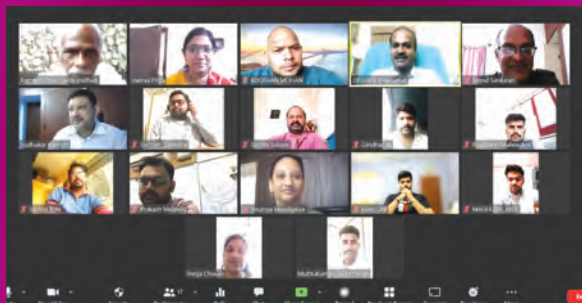
"Electric Vehicle Installation" training on demand based self financing mode in order to enhance skills.



Gold Appraisal Training - This training programme aims to enable the Participants to understand how to identify the pure gold by pyhsical and chehmical tests. It enabes to get job and also to become entrepreneur.



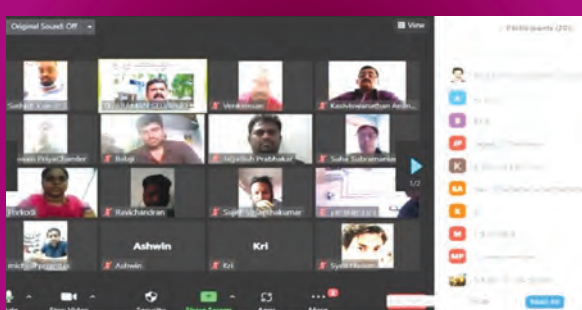
"Lean Six Sigma Green Belt" training on demand based self financing mode in order to enhance skills .



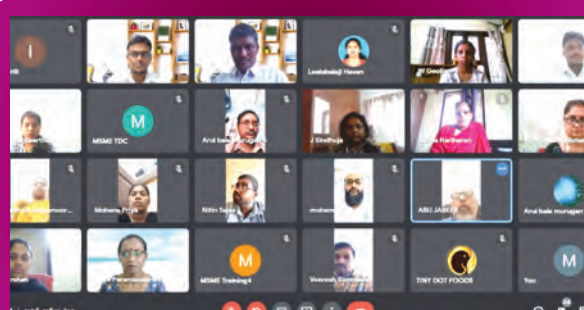
Lean Six Sigma Green Belt Training - Provided to Define, Measure, Analyze, Improve, Control (DMAIC) Process



" Gold Appraisal " training on demand based self financing mode in order to enhance skills



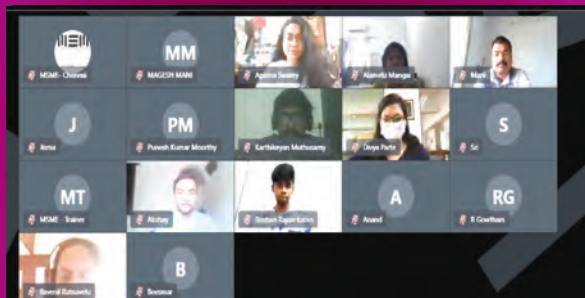
" Export and Import " training on demand based self financing mode in order to enhance skills.



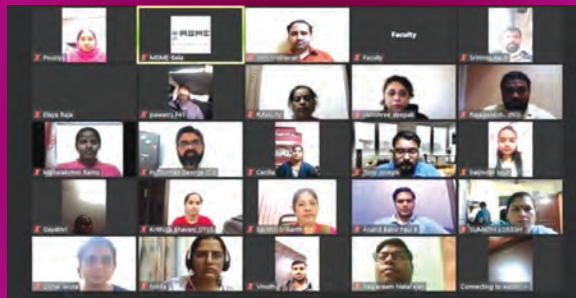
Graphics Design-To provide techncal aspects to get job opportunity and as well as encourage them to start business



Specialised Training Programmes



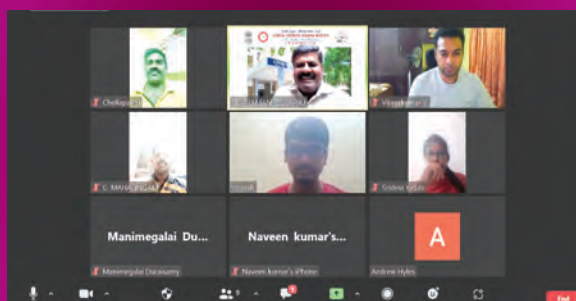
LSSGB-- This training programme aims to enable the Participants to understand and improve productivity and to minimise the errors.



"PoSH" training on demand based self financing mode in order to enhance skills.



Advance Excel - This training programme aims to enable the Participants to understand the MS excel skill to be used for business and Accounting purpose.



Income Tax training provided for broader perspective of how to pay to Government and the other rules involved.



HR-Statutory Compliance training provided for broader perspective of how benefits are given to employees from employers through proper channel.



PLC Programming- To provide training on electronics circuit design for Engineers to learn and understand the Industry work environment.



Robotics Elements - To provide training on design and coding for Engg students to learn and understand the Industry work environment.



Robotics Elements - To provide training on design and coding for Engg students to learn and understand the Industry work environment.



SKILL TRAINING PROGRAMMES



ATI - CONTENT FOR THE MONTH OF JANUARY, FEBRUARY and MARCH 2022

In the month of January, February and March year 2022 – Total of 75 candidates (3 batches) got trained by CFTI - Chennai for the job role of Stitching Operator (Footware). Total training hours are 300 hrs (38 days). CFTI Trainers distributed the Training Materials to the selected trainees before the start of the training program. Training program includes Practical and Theory classes. Practical classes

will consist of cutting, skiving, attaching and stitching the leather materials. Finally, Assessment was conducted to all the trainees. Once the assessment is completed, based on the candidate's performance the Course Completed Certificate will be distributed to them. Placement Opportunities were provided to all candidates in reputed Shoe Factories for the above mentioned job roles.



Theory Class - ATI



Theory Class - ATI



Practical Class - ATI



Practical Class - ATI



Practical Class - ATI



Group Photo - ATI



Group Photo - ATI



Certificate Distribution - ATI



Certificate Distribution - ATI



SKILL TRAINING PROGRAMMES



KVIC - CONTENT FOR THE MONTH OF JANUARY, FEBRUARY and MARCH 2022

In the month of January, February and March year 2022 – Total of 20 candidates got trained by CFTI - Chennai for the job role of Repairing/Manufacturing of footwear, total training hours are 400 hrs (50 days). CFTI Trainers distributed the Training Materials to the selected trainees before the start of the training program. Training program includes Practical and Theory classes. Practical classes

will consist of cutting, skiving, attaching and stitching the leather materials. Finally, Assessment was conducted to all the trainees. Once the assessment is completed, based on the candidate's performance the Course Completed Certificate will be distributed to them. Placement Opportunities were provided to all candidates in reputed Shoe Factories for the above mentioned job roles.



Theory Class - KVIC



Theory Class - KVIC



Practical Class - KVIC



Finished Product - KVIC



Group Photo - KVIC



SKILL TRAINING PROGRAMMES



SHG - CONTENT FOR THE MONTH OF JANUARY, FEBRUARY and MARCH 2022

In the month of January, February and March year 2022 – Total of 2110 candidates (77 batches) got trained by CFTI - Chennai for the job role of (i) Stitcher Leather Goods & Garments and (ii) Operator Stitching Footwear. Total training hours are 200 hrs (25 days). CFTI Trainers distributed the Training Materials to the selected trainees before the start of the training program. Training program includes Practical and Theory classes. Practical

classes will consist of cutting, skiving, attaching and stitching the leather materials. Finally, Assessment was conducted to all the trainees. Once the assessment is completed, based on the candidate's performance the Course Completed Certificate will be distributed to them. Placement Opportunities were provided to all candidates in reputed Shoe Factories for the above mentioned job roles.



Practical Class - SHG



Practical Class - SHG



Practical Class - SHG



Practical Class - SHG



Certificate Distribution - SHG



Certificate Distribution - SHG



Group Photo - SHG



Certificate Distribution - SHG



SKILL TRAINING PROGRAMMES



TNSDC - CONTENT FOR THE MONTH OF JANUARY, FEBRUARY and MARCH 2022

In the month of January, February and March year 2022 – Total of 177 candidates (6 batches) got trained by CFTI - Chennai for the job role of Operator Stitching Footwear, total training hours are 340 hrs (43 days). CFTI Trainers distributed the Training Materials to the selected trainees before the start of the training program. Training program includes Practical and Theory classes. Practical classes

will consist of cutting, skiving, attaching and stitching the leather materials. Finally, Assessment was conducted to all the trainees. Once the assessment is completed, based on the candidate's performance the Course Completed Certificate will be distributed to them. Placement Opportunities were provided to all candidates in reputed Shoe Factories for the above mentioned job roles



Practical Class - TNSDC



Practical Class - TNSDC



Practical Class - TNSDC



Group Photo - TNSDC



Group Photo - TNSDC



Shri.Sandanam Prakash Mayor of Matale Municipal Council, Srilanka, visited Central Footwear Training Institute Chennai (CFTI) along with his staff members and seek help in the area of training to the people of Srilanka.



Visit of Honorable Minister of state Shri.Bhanu Pratap Singh Verma, Ministry of MSME, Govt of India to MSME Offices CFTI, MSME-DI and MSME Testing centre in the campus of MSME Bhawan, Guindy,





Visit of Honorable Minister Shri.Bhanu Pratap Singh Verma MoS, Ministry of MSME, Government of India at Central Footwear Training Institute (CFTI) Chennai and overview the facilities and activities of the Institute.



Shri.Bhanu Pratap Singh Verma Honorable Mos, Ministry of MSME Govt of India in meeting and discussion with Shri.Murali K Director, CFTI Chennai on performance and review the activities of the Institute.





Shri. Murali K, Director, CFTI Chennai participated along with his team & exhibit a stall in the “Machinery Expo-2022” organized by DIC, Government of Kerala at Jawaharlal Nehru Stadium Ground, Cochin, Kerala



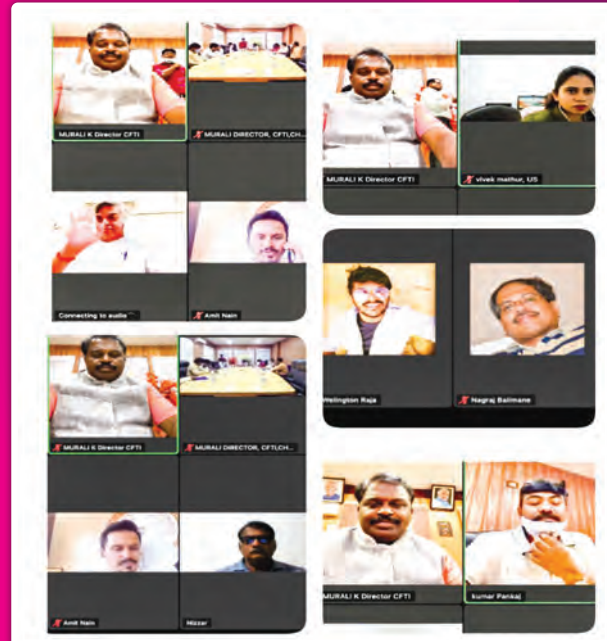
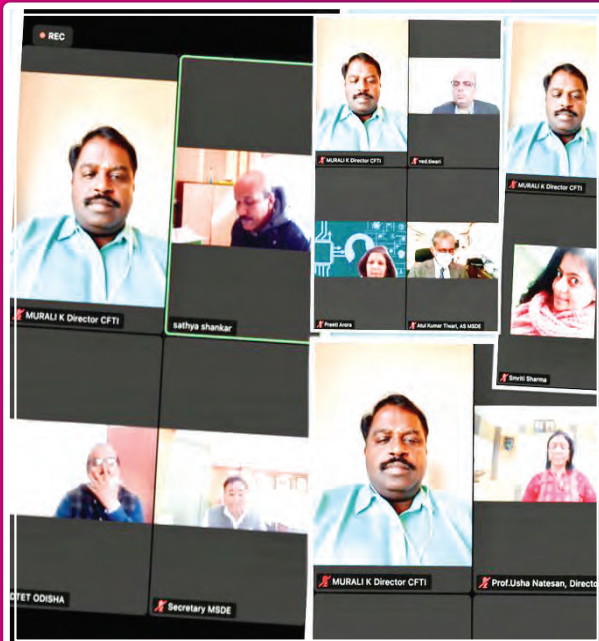


73rd Republic Day celebration by CFTI Chennai in its campus.



Governing council Meeting of NIMI, Chennai is being attended by Shri.MURALI K Director CFTI, Chennai as a GC member along with others GC members of CFTI, Chennai under the chairmanship of Secretary Ministry of Skill Development & Entrepreneurship, GOI

Governing council Meeting of NIMI, Chennai is being attended by Shri.MURALI K Director CFTI, Chennai as a GC member along with others GC members of CFTI, Chennai under the chairmanship of Secretary Ministry of Skill Development & Entrepreneurship, GOI





CFTI, Chennai arranged Campus Interview for the students who completed successfully in the year 2022 by 8 leading manufacturers through offline and by online interviews. 90% of the students are placed.



AFCAMMI conducts workshop on Government schemes, MSME Policies, Leather clusters and about logistics & Insurance for exporters and manufacturers by various experts like KPMG and FDDI to the benefit of members.





AFCAMMI association for shoe machinery and components manufacturers and dealers conducted their EC meeting in the conference hall at CFTI Chennai.



Central Footwear Training Institute Chennai participates in the celebrating 75 years of National Independence organised by ROB, Chennai (PIB) and the stalls were visited by Shri. Murugan Central Minister for Ministry of Information & Broadcasting, GOI





Shri. MURALI K, Director CFTI, Chennai during his meet with Shri. Annamalai Ex IPS and State President BJP of Tamilnadu in the Book fair held at YMCA Ground, Nandanam.



CFTI Faculty team guided successfully to complete the Industrial Visit by 29th DFMD, 30th DFMD, 21st PGDFT, 22nd PGDFT students to M/s Bharathiya International & M/s Walkaro Pvt Ltd at Nellore District, Andhra Pradesh.



Visit of NIMI officials at CFTI Chennai and discussed with Shri. MURALI K, Director, CFTI Chennai who was a Governing Council member of NIMI on common agenda to work together in association for the leather sector.



"Footwear Chronicle" a Quarterly magazine of CFTI, Chennai's current Issue, issued by Mr. Sekar, Coordinator to Ms. Innocent Divya IAS, Managing Director, TNSDC, Govt of Tamilnadu



Boot camp” organised by Leather sector skill council (LSSC) for the 20 selected students from the South,Regional skill competition which held at CFTI, Chennai were getting trained at CFTI’s Extension Centre at Vaniambadi.





India National Skills Competition Fy2021 Grand Opening ceremony held at New Delhi, Talkatora Indoor stadium. Participants from Tamilnadu and Shri.Mothesh kumar participates in leather shoe making and represents CFTI, Chennai





FOOT MEASUREMENT SURVEY CARRIED OUT BY TEAM CFTI, CHENNAI AT VARIOUS LOCATIONS



The Development of an Indian National Footwear Sizing Project is being undertaken to arrive at the Revision of the IS 1638:1969 "Standard for Specification for Sizes and Fittings of Footwear" which was reaffirmed in 2004. The revised Standard IS 1638:2022 would be the output of this project.

This Project is being carried out under the aegis of DPIIT, Ministry of Commerce and Industry, Government of India and is being led by CSIR-CLRI, Chennai in association with Synergy Partners across the Country, of which CFTI, Chennai is one of the most prominent partners in this project of NATIONAL IMPORTANCE.

CFTI, Chennai has COMPLETED the Foot Measurement Survey in its entirety in the South Zone on 11th February 2022. CFTI, Chennai was allocated 18000 measurements to be carried out in thirteen Locations covering FIVE States and ONE Union Territory in the entire South Zone and CFTI, Chennai have delivered a Grand Total of 18240 measurements which is over 100% of the Target Measurements allocated to us.

The breakup of the Foot Measurements taken at the thirteen locations across FIVE States and ONE Union Territory in the entire South Zone is given in the Table below.

Foot Measurements Project Data by CFTI Chennai					
S. No	Location Allotted	Target Allocated	Cumulative Target Allocated	Foot Measurement Taken on as 11th Feb 2022	Cumulative Foot Measurement Taken as on 11th Feb 2022
1	Srikakulam	1083	5428	1083	5428
2	Visakhapatnam	1812		1812	
3	Hyderabad	1450		1450	
4	Adilabad	1083		1083	
5	Raichur	1812	4332	1829	4350
6	Tumkur	2520		2521	
7	Kannur	1083	4708	1091	4801
8	Malappuram	1450		1475	
9	Namakkal	725		725	
10	Coimbatore	1450		1510	
11	Viluppuram	1450	3643	1452	3661
12	Chennai	1812		1828	
13	Puducherry	381		381	
	TOTAL	18111	18111	18240	18240



Development of the Indian National Footwear Sizing System Team CSIR-CLRI and Team CFTI, Chennai



The Foot Measurement Survey commenced in the presence of Dr. KJ Sreeram, Director, CSIR-CLRI and Shri K Murali, Director, CFTI, Chennai with Shri Ashfaque Ahmed Mecca, Managing Director, M/s India Shoes Ltd., Chennai in attendance at the factory premises

of M/s. India Shoes Ltd on 2nd December 2021 and CFTI, Chennai completed all its allocated measurements on 11th February 2022.

A pictorial overview of the Foot Measurement Survey carried out by CFTI, Chennai at the various locations is given below.



Foot Measurements being carried out at Chennai Boys HSS Saidapet.



Foot Measurements being carried out at Chennai Girls HSS Saidapet.



Foot Measurements being carried out at Chennai Loyola College.



Foot Measurements being carried out at Coimbatore M G M Matriculation School



Foot Measurements being carried out at Coimbatore Maranna Gowder Matric School



Foot Measurements being carried out at Coimbatore National Model Matriculation Higher Secondary School



Development of the Indian National Footwear Sizing System Team CSIR-CLRI and Team CFTI, Chennai



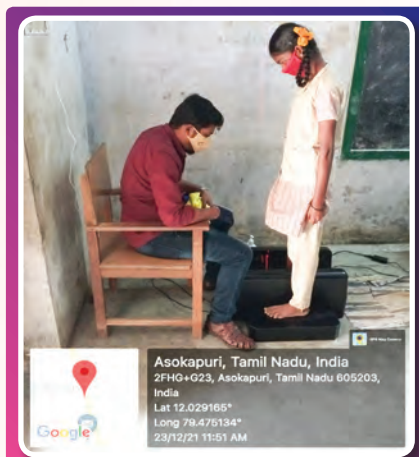
Foot Measurements being carried out at
Namakkal Rasi Nutri Foods
India Private Limited



Foot Measurements being carried out at
Namakkal Paavai Vidhyashram School



Foot Measurements being carried out at
Namakkal Paavai College of Pharmacy
and Research



Foot Measurements being carried out at
Viluppuram Govt HSS Thumbur.



Foot Measurements being carried out at
Viluppuram Govt. H.S.S. Koliyanur.



Foot Measurements being carried out at
Viluppuram Panchayat Union Middle
School, Kandamangalam



Foot Measurements being carried out at
Viluppuram VRS College of
Engineering and Technology



Foot Measurements being carried out at
Viluppuram Panchayat Union Middle
School Kandamangalam



Foot Measurements being carried out at
Viluppuram Govt HSS Thumbur



Development of the Indian National Footwear Sizing System Team CSIR-CLRI and Team CFTI, Chennai



Foot Measurements being carried out at
Chennai Boys HSS Saidapet.



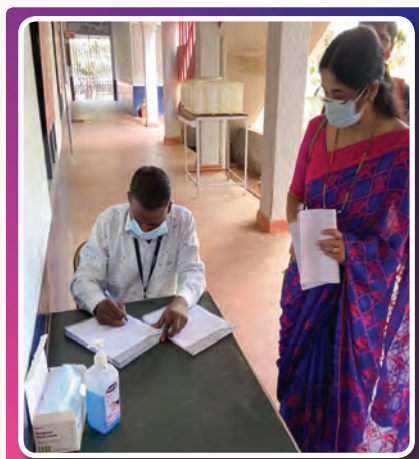
Foot Measurements being carried out at
Chennai Girls HSS Saidapet.



Foot Measurements being carried out at
Chennai Loyola College.



Foot Measurements being carried out at Karnataka Tumkur Police Quarters



Foot Measurements being carried out at Tumkur University Science of College Karnataka





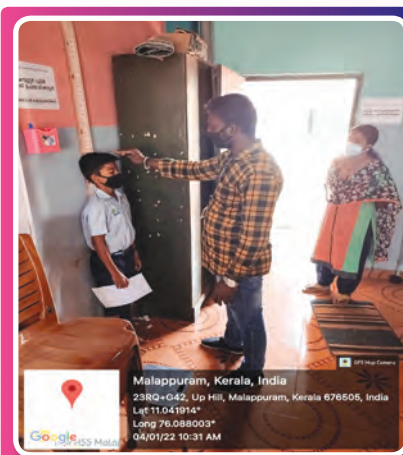
Development of the Indian National Footwear Sizing System Team CSIR-CLRI and Team CFTI, Chennai



Foot Measurements being carried out at
Malappuram Mar Thoma College, Kerala.



Foot Measurements being carried out at
Malappuram MES College Hostel, Kerala.



Foot Measurements being carried out at
Malappuram MSP Higher Secondary
School, Kerala.



Foot Measurements being carried out at
Malappuram Peevees Model School,
Keral



Foot Measurements being carried out at
Malappuram Popees Baby Care Products
Pvt. Ltd. Kerala.



Foot Measurements being carried out at
Malappuram Amal College of
Advanced Studies, Kerala.



Foot Measurements being carried out at
Visakhapatnam AVN Degree College,
Andhra Pradesh.



Foot Measurements being carried out at
Visakhapatnam AVN Polytechnic College,
Andhra Pradesh.



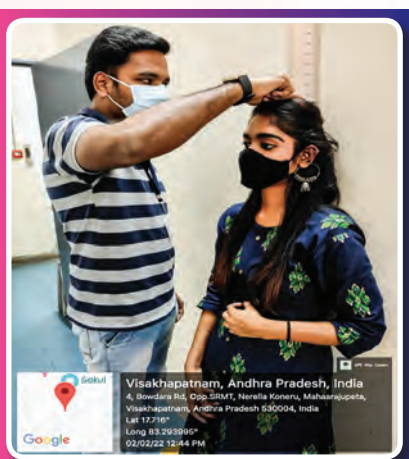
Foot Measurements being carried out at
Visakhapatnam AVN Polytechnic College,
Andhra Pradesh.



Development of the Indian National Footwear Sizing System Team CSIR-CLRI and Team CFTI, Chennai



Foot Measurements being carried out at
Visakhapatnam TSR & TBK Degree and
PG College, Andhra Pradesh.



Foot Measurements being carried out at
Visakhapatnam Unity Degree College,
Andhra Pradesh.



Foot Measurements being carried out at
Visakhapatnam Vijnana Bharti English
Medium High School, Andhra Pradesh.



Foot Measurements being carried out at
Puducherry Government Higher
Secondary School, Nonankuppam.



Foot Measurements being carried out at
Puducherry Sree Tech Industries Suolificio Linea Italia India Pvt Ltd.



Shri. Murali K, Director CFTI Chennai, Ministry of MSME, GOI meets Dr. Usha Titus IAS , CMD, Additional Skill Acquisition Programme and Former Secretary Higher Education Dept, Govt of Kerala to identify for setting up of CFTI's Extension Centre in Kerala.





Shri. Benoit along with his team from M/s. Ayyappa Enterprises visited and met Shri. MURALI K Director, CFTI, Chennai and saw the various facilities shown by our experts in the Institute.





INNOVATIVE DESIGNS BY CFTI STUDENTS



Santhosh Kumar K.P
24th FMT

Ruanyi Women Boots
(Colourful Jacquard Printed Leather)

Find your perfect pairs with understated chic style from classic style and made by pink, blue and green colour with printed leather every shoes are carefully handcrafted by us with love and affection we specialized it by making unique and comfortable.



Fakkiresh .M. Devaramani
24th FMT

Sports / Casual Shoes

An athletic shoe is a generic name for a shoe designed and for sporting activities. They were originally apparel but nowadays it's been worn widely as casual footwear. It can also go by the name sports shoes and sneakers.

There are several types of fabrics and they are countless versions and raw materials involved from natural to synthetic fibers. These are most commonly used one like Polyamide, Polyester and Nylon. But we can also see things like Lycra, Cotton and Wool are being used in decent volumes.



WOOD PECKER



Designer Name :

MOHAMED ZUBAIR

Sr. Design Faculty, CFTI Chennai.

THEME :

TPUBK (CFTI LAST)



This Style Has Two Straps

- (A) BALL STRAP (2mm)
- (B) INSTEP STRAP (2mm)

BALL STRAP has Image of CHEETAH

INSTEP STRAP has Image of TIGER

These Two Image is Done in Customized Lazer Engravings Machine.

Bottom Details

- I. Insole – 5mm Vegetable Tanned Leather
- II. Sole – 5mm Vegetable Tanned Leather
- III. Heel – 5mm Vegetable Tanned Leather

Bottom Description

Top Sole has Image of Vulture on the Front Part and Snake on the Seat Part.

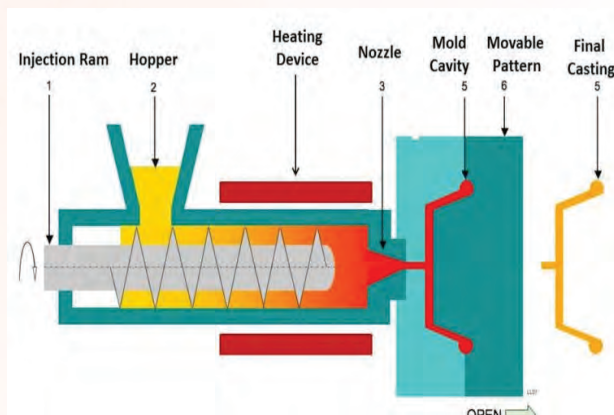
Finishing

- (A) Wooden Finish Antique Look



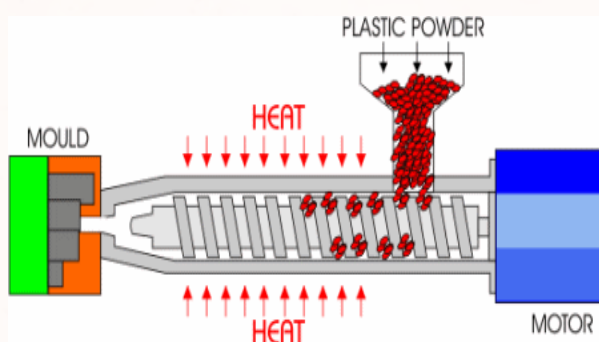
Injection Moulding

In injection molding, thermoplastic materials are heated and liquefied before entering the mould. The mould is not heated, so that the heated liquid cools and sets, or returns to a solid form in the shape of the mould. Sometimes, chemical accelerators are used with certain materials, such as polyurethane, and are mixed in the machine head and rapidly injected into the mould because of the speed of reaction. Many of these materials do not require pre-heating because the chemical reaction produces its own heat. The injection moulding process is used for both flat lasted and string lasted footwear.



THE PROCESS OF INJECTION MOULDING

Lasting for moulded constructions may be carried out in the same way as for the cemented (stuck on construction). Only the bottom preparation varies. Alternatively, many direct moulded shoes are string lasted onto the metal foot of the moulds.



For PVC Injection Moulding

Bottom Preparation

Scour and Rough

Roughing for direct moulding must always be slightly over the edge of the insole because the sole actually has a small 'wall' around the featheredge.

Attach Shank and Filler Block

Special lightweight shank and heel fillers are stapled onto the bottom of the insole to reduce the weight of the sole and the amount of PVC needed.

Bottom Cementing

A special polyurethane adhesive is used, and at the same time a piece of paper is often stuck onto the bottom of the shoe to prevent any molten PVC from creeping into the inside of the shoe through the lasting allowance. This is particularly important in the case of tack lasted work.

PVC Injection Mould

There are many types of injection moulding machines in current use. Many of which do not mould directly onto the shoe bottom, but produce moulded units for the stuck on process.

An injection-moulding machine consists of three basic parts; the mould plus the clamping and injection units. The clamping unit is what holds the mould under pressure during the injection and cooling. Basically, it holds the two halves of the injection mould together.

Most moulding machines for direct moulding have between 24-36 'stations'. Each station holds one set of moulds. Because of the amount



of stations, by the time a shoe gets back to the injection area the sole which is on it has cooled and is ready for removal. Smaller machines have refrigerated moulds to assist cooling.

A set of moulds consist of a left or right sole mould, with the attendant side moulds and last mould, the moulds are made from metal alloy.

The shoe is slipped onto the metal foot or last, which usually has a device for shortening its length to allow easy entry and removal of the shoe. The last then turns and presents the shoe into the sole mould as the side moulds close in the grip the shoe around the edge of the insole.

During the injection phase, PVC material, usually in the form of pellets, are loaded into a hopper on top of the injection unit. The pellets feed into the cylinder where they are heated until they reach molten form (think of how a hot glue gun works here). Within the heating cylinder, there is a motorized screw that mixes the molten pellets and forces them to end of the cylinder. Once, enough material has accumulated in front of the screw, the injection process begins. Once the moulds are locked under low pressure, the heated injection screw (165–175°C) forces the molten PVC into the mould through a sprue (the hole through which molten material is channelled into a mould), while the pressure and speed are controlled by the screw.

When the mould is full, a small plunger fitted to the mould surface is forced upwards cutting off the molten PVC supply. Alternatively an air valve is fitted which cuts out once the mould is full. This is the dwelling phase, which consist of a pause in the injection process. The molten PVC has been injected into the mould and the pressure is applied to make sure all of the mould cavities are filled.



The PVC sole is allowed to cool to its solid form within the mould for several minutes. Meanwhile the machine feeds the next station up to the moulding area and the process begins over. By the time the first station returns to the moulding area, the moulds have opened automatically and the shoe can be slipped off.

The clamping unit is opened, which separates the two halves of the mould. An ejecting rod and plate eject the finished piece from the mould. After slipping, a strip of plastic known as the sprue (the waste material filling or protruding from the hole after hardening) is left protruding from the sole. This was where the PVC was injected into the mould. This is now removed by a rotating cutting blade or by hand knife. The shoe is then ready for shoe rooming.

The un-used sprues and runners can be recycled for use again in future molds.

Polyurethane Injection Moulding

The preparation of the upper is the same as described above, except that it is often not necessary to apply adhesive to the bottom (PU has its own self adhesive properties when moulded direct) or to place paper over the bottom of the shoe.

PU is usually supplied in liquid form for injection moulding and because it is partly mixed with hardness has already started to coagulate, so it has a limited shelf life and stocks must be carefully controlled.

It is moulded using similar moulds to those used for PVC moulding, but the machine mixes the partly formed PU with the rest of the hardness creating a chemical reaction, which causes the mixture to expand under pressing and fill the moulds.



Rubber Injection Moulding

The injection moulding of vulcanised rubber was first developed for the shoe industry in the 1960s and it is a moulding technology that has shown a slow growth. The advantage of this moulding process is reduction of labour content and the cycle time is shorter due to high temperature used in processing before the mould is filled.

Unvulcanised rubber as pellets or ribbon is introduced into the machine barrel, just as a thermoplastic compound would be handled. Here the similarities in technology end, as the temperature needed to ensure the adequate flow is close to the vulcanising temperature and hence the temperature zones in the screw ram injector barrel and the injection speed have to be precisely controlled. The mould itself is heated and the clamping forces are much higher than employed for thermoplastic injection.

These machines are expensive than other systems and are frequently of the carousel type. They can be fitted with two or three injection heads to provide the two (three) colour/two (three) compound option.

EVA Injection Moulding

EVA is a light soling material, which is generally produced by compression moulding. Even in this process, difficulties can be experienced due to poor dimensional stability. It was, therefore, a significant challenge to develop injection- moulding machinery to handle this compound.

The EVA compound in the granule form and containing blow agent and crosslinker is introduced into the barrel and processes at about 90oC before being injected into a mould at about 170oC. The in-mould time and temperature will depend on the actual compound but after five minutes the mould is opened and the ejected unit continues to expand and crosslink further.

Obtaining the desired shape and size requires careful control of the compound; the shot size, the temperatures and the mould design. However, several machines of both static and carousel type capable of producing good results are now available.

Advantages of Injection Moulding

- High production rates
- High tolerances are repeatable
- Wide range of materials can be used
- Low labour costs
- Minimal scrap losses
- Little need to finish parts after moulding

Disadvantages of Injection Moulding

- Expensive equipment investment
- Running costs may be high
- Parts must be designed with moulding consideration
- Large regular size of orders of a particular style.

To be Continued...

Chandralekha Ganesh
Management Faculty



जूते की आत्मकथा निबंध



दोस्तों आज हम आपके लिए लाए हैं पैरों में पहनने वाले जूते की काल्पनिक आत्मकथा को. इस आर्टिकल में हमने एक जूते की काल्पनिक कथा को विस्तृत रूप से चित्रित किया है आप इसे जरूर पढ़ें तो चलिए पढ़ते हैं आज के इस लेख को आप सब मुझे जानते ही हैं मैं कोई और नहीं पैरों में पहनने वाला जूता हूँ. मेरा निर्माण जूते बनाने वाली कई प्रकार की मशीनों के द्वारा हुआ है. पहले जूते हाथों से ही बनाए जाते थे लेकिन अब मशीनों के द्वारा बहुत ही जल्द जूते बनाए जाते हैं, जूते बनने के बाद मेरे मालिक ने मेरी जांच की और अपने कारखाने में मेरे अन्य साथियों के साथ मुझे रख दिया. मैंने देखा कि वहां पर मेरे कई परिवार के लोग भी थे जो बिल्कुल मेरी तरह ही दिखते थे. कुछ छोटे थे तो कुछ बड़े भी थे, कुछ मेरे दोस्त थे मुझे उनके साथ रहना बहुत ही अच्छा लगता था

कुछ समय बाद एक मॉल में मैं अपने साथियों के साथ चला गया दरअसल कुछ लोगों ने मुझे बेचने के लिए मुझे मेरे मालिक से खरीद लिया था. अब मेरा मालिक नया बन गया था जब मॉल में मैं गया तो मैंने देखा कि कई तरह की चीजें चारों ओर हैं. मेरी तरह अन्य आकर्षक जूते भी हैं कई तरह के पेंट शर्ट, मनुष्य जो अपने घर में खाना बनाने में उपयोगी सामग्री उपयोग में लाता है वह सभी वहां पर उपलब्ध थी. कई तरह के बैग, पानी से बचने वाला छाता वह सभी सामान मैंने वहां पर देखा. उस मॉल में मुझे तीसरी मंजिल पर रखा गया कुछ पल तो ऊपर जाते समय मुझे डर लगा कि कहीं मैं गिर ना जाऊं लेकिन मैं अपने मालिक के साथ तीसरी मंजिल पर अच्छी तरह से पहुंच गया.

तीसरी मंजिल पर चारों ओर जूते ही जूते थे बहुत सारे लोग जूते खरीदने के लिए भी खड़े थे. मैं भी एक अलमारी में रख दिया गया कुछ देर हुई थी कि एक व्यक्ति मुझे खरीदने के लिए देखने लगा लेकिन किसी वजह से उसने मुझे नहीं खरीदा यह देखकर मुझे काफी खुशी हुई क्योंकि मैं अब अकेला जाना

नहीं चाहता था लेकिन दो-तीन दिन बाद ही एक ग्राहक आया उसने मुझे पसंद किया और अपने साथ ले चला. उसने मुझे अपने बैग में पैक करके रखा. घर ले जाने के बाद उसने मुझे अपने पूरे परिवार को दिखाया सभी लोगों के चेहरे पर मुस्कान थी, उसके बच्चे भी थे वह मुझे देखकर काफी खुश हो रहे थे.

अगले दिन वह मेरा मालिक मुझे लेकर अपने ऑफिस में ले गया वहां पर मैंने देखा की बड़ी सी टेबल लगी हुई थी चारों ओर कांच की दीवार प्रतीत हो रही थी एकदम अच्छा लगा मुझे यह सब देखकर क्योंकि मैंने पहली बार ही ऐसा नजारा देखा था मैं सिर्फ अपने परिवार और दोस्तों के बीच में ही अपनी जिंदगी समझता था लेकिन यहां मेरा अनुभव कुछ अलग था मेरा नया मालिक मुझे अपने पैरों में पहनकर रोज अपने ऑफिस आता और शाम को रोज घर पहुंच जाता. मुझे अच्छा भी लगता लेकिन परिवार से प बिछड़ने के कारण थोड़ा दुख भी होता लेकिन कुछ ही समय बाद मैं अपने परिवार को भूल गया.

अब मेरी जिंदगी अपने मालिक के साथ रहने में ही थी, मैं चुपचाप मालिक के दरवाजे पर बैठा रहता मालिक से कुछ भी ना कहता, चलते चलते एक दिन मैं फस गया और मेरे मालिक ने मुझे अपने घर के एक कोने में पटक दिया मुझे यह सब अच्छा नहीं लगा लेकिन मेरी नई मालिकिन ने एक दिन एक गरीब से दिखने वाले एक व्यक्ति को मुझे सौंप दिया, उसने मुझे बाजार में ले जाकर मेरी सिलाई करवाई और मैं फिर से नए जूते की तरह देखने लगा.

मैं समझ गया था कि मेरी कद्र तो एक गरीब ही कर सकता है, अमीर लोग तो सिर्फ जूते लेते हैं और थोड़ा सा फट जाने पर उसे फेंक देते हैं. इस गरीब ने मेरी कद्र की, मुझे बहुत ही अच्छा लगा मेरा यह गरीब मालिक वास्तव में मुझे बहुत ही प्यारा लगता है, मैं हमेशा जी जान से उसकी सेवा करता हू

Rakesh Sharma

Technical Officer

CFTI Chennai



Wolverine World Wide

Wolverine World Wide, Inc. or Wolverine Worldwide, is a publicly traded American footwear manufacturer based in Rockford, Michigan. The shoemaker is known for its eponymous brand, Wolverine Boots and Shoes, as well as other brands, such as Hush Puppies and Merrell. The company also manufactures licensed footwear for other firms, such as Caterpillar and Harley-Davidson. In 2012, Wolverine World Wide added Saucony, Keds, Stride Rite and Sperry Top-Sider to its list of brands, after acquiring the Performance Lifestyle Group of Collective Brands in a \$1.23 billion transaction that also involved the sale of Payless Shoe Source and Collective Licensing International to private equity firms Blum Capital Partners and Golden Gate Capital.

Founding and early years (1883 to 1959)

Fredrick Hirth and G. A. Krause founded the company in 1883. Hirth and Krause bought a small leather shop in Grand Rapids, Michigan, starting with a capital investment of \$2,900. In 1901, they built a plant in Rockford Michigan, just north of Grand Rapids. They purchased and expanded the Rogue River Electric Light and Power Company to power their new plant and the city of Rockford. In 1903, operations began and in 1908, a tannery followed. The company thus processed its own raw materials and manufactured its own shoes sold through the Hirth-Krause Company. In 1921 the company changed its name to Wolverine Shoe and Tanning Corporation. During the period 1916-1923 its earnings increased 700%.

In 1941, during World War II, the Wolverine Shoe and Tanning Company began to work for the U.S. Navy, developing pigskin gloves and

inventing what later became known as pigskin suede

Name change and expansion (1960 to 1989)

In 1964, the company changed its name to Wolverine World Wide, Inc. and in 1965 became a publicly traded company listed on the New York Stock Exchange. Hush Puppies, a casual footwear brand founded by the company in 1958, quickly rose to popularity in the 1960s.

Growth and Acquisitions (1990 to 2009)

1. In 1994, Wolverine World Wide introduced Cat Footwear, a licensed brand of shoes using the Caterpillar Inc. name.
2. In 1995, the Council of Fashion Designers of America voted Hush Puppies as Fashion Accessory of the Year.
3. In 1997, the company continued expanding by purchasing the Merrell brand.
4. In 1998, Wolverine World Wide acquired the global license for footwear from the Harley-Davidson Motor Company.
5. Wolverine World Wide acquisitions in the 2000s included the 2003 purchase of Sebago and 2009 purchases of Chaco and the UK-based brand Cushe. The company discontinued the Cushe brand in 2015 and sold Sebago to Italian publicly-traded company BasicNet in 2017.
6. In 2006, Wolverine World Wide entered into a global footwear licensing deal with Patagonia. The company stopped production of Patagonia footwear in 2014.

Present day

Wolverine World Wide nearly doubled in size after its 2012 acquisition of the Performance



Lifestyle Group of Collective Brands, which added Saucony, Keds, Stride Rite and Sperry Top-Sider brands to its portfolio. In 2017 the company sold its United States Department of Defense footwear business along with a factory in Big Rapids, Michigan to Tennessee-based footwear manufacturer Original Footwear. In the same year Wolverine World Wide converted Stride Rite to a licensed brand operated by New York City-based Vida Shoes International.

The company is based out of corporate offices in Rockford, Michigan and Waltham, Massachusetts. Wolverine World Wide also operates three distribution centers in the U.S., one in Canada and one in the Netherlands. As of December 29, 2018, Wolverine World Wide operated 80 retail stores in the U.S. and Canada and 42 consumer-direct eCommerce sites. According to the company's 2018 annual report, "substantially all of the units sourced by the Company are procured from numerous third-party manufacturers in the Asia Pacific region. The Company maintains offices in the Asia Pacific region to develop and facilitate sourcing strategies."

Wolverine World Wide operated various PFAS dumpsites throughout Belmont and Rockford that contaminated the drinking water of residents. These sites contaminated the water for hundreds of residents. The chemicals involved have been linked to various negative health effects, including several cancers. In February 2020 Wolverine settled Grand Rapids federal court action by agreeing to pay \$69.5 million to provide town-supplied drinking water to affected residents.

In 2019, Wolverine World Wide reorganized into two operating segments:

1. Wolverine Michigan Group whose brands include Bates, Cat Footwear, Chaco, Harley-Davidson Footwear, Hush Puppies, HyTest, Merrell and Wolverine
2. Wolverine Boston Group whose brands include Keds, Saucony, Sperry Top-Sider, the Stride Rite licensed business and the kids footwear businesses of Cat, Hush Puppies, Keds, Merrell, Saucony and Sperry
3. The company acquired British athleisure retailer Sweaty Betty in 2021.

Features



OLD SCHOOL DURABILITY

Crafted to last with tough and traditional Goodyear Welt construction



LIGHTWEIGHT + SUPERCHARGED RIDE

High-performance UltraSpring cushioning energizes your every step

RUGGED AND RESILIENT

Available in soft and safety toe, and equipped with a rugged wedge outsole for maximum stability



To be Continued...

Chandralekha Ganesh
Management Faculty



SUSTAINABLE MATERIALS FOR FOOTWEAR



Sustainable textiles and synthetics should be environmentally friendly and respect social and environmental quality, preventing or controlling the level of pollution. Additionally, should take in account the Restricted Substances Lists (RSLs) that connect the production ecology to human ecology. The Restricted Substances Lists promote the safer use of chemicals and the verification of materials cleaner production.

More Sustainable Synthetic & Textiles for Footwear:

Recommendations for Lower Environmental Impact

Textiles/synthetic:

- Without all carcinogenic or potentially carcinogenic chemicals and dyes.
- With biodegradable materials in substitution of aggressive chemicals.
- Without or with minimum amount of active chloride and other active halogen compounds.
- Without or with minimum amount of formaldehyde compounds.
- Without dyestuffs containing heavy metal ions.
- Sustainable fibres: Biodegradable, recyclable and recycled.
- More natural materials.
- More durable and light materials.



Production processes that:

- Recycle, purify and reuse chemicals;
- Use dyestuffs with maximum exhaustion, reducing the wastewater pollution.
- Reduce the dye-to-liquor ratio, water, energy, chemical and dyestuff consumption.
- Reuse heat and water, saving energy and water and reducing the environment pollution level.

More Sustainable Leather for Footwear

Recommendations for Lower Environmental Impact:

- Select leather from companies that accomplish ecological criteria and requirements; sustainable processes and good environmental practices.
- Select leather companies that use skin raw material from countries in close proximity to decrease the transportation carbon footprint.
- Use of more natural leather without too much finishing products applications.
- Use high quality and durable leather.
- Use of leather without restricted and hazardous substances.
- Use thinner leather materials.
- Good use of leather area during the cutting process to reduce the leather waste.

Submitted by
T. Gnanapazhani, M.Tech
Footwear Science & Engg
Technical Faculty, CFTI, Chennai



BENEFICIARIES OF CFTI CHENNAI



(A) Long Term Course

S.No.	Name of the Unit
1	M/s. SEZ Developers Pvt. Ltd., Bargur
2	M/s. Ayyappa Enterprises, Chennai
3	M/s. Alina Pvt Ltd, Chennai
4	M/s. Kenmore Shoes Pvt Ltd(Farida), Chennai
5	M/s. Florence Shoe Company Pvt.Ltd,Vellore
6	M/s. Walkaroo International Pvt Ltd, Kerala
7	M/s. KH Exports India Pvt Ltd, Ranipet
8	M/s. A2DS Schuh Fabrik Pvt Ltd, Ranipet
9	M/s. UB International Trading Ltd, Ranipet
10	M/s. BBK Leathers Pvt Ltd, Ranipet
11	M/s. P.M.Consulting, Kanpur
12	M/s. India Shoes Exports Pvt Ltd, Chennai
13	M/s. ST Shoes, Gudiyatham
14	M/s. Kora Shoes, Walajapet
15	M/s. TATA International, Ranipet
16	M/s. Mohib Shoes Pvt Ltd, Ambur
17	M/s. Raadhika Shoe Crafts Pvt Ltd, Chennai
18	M/s. Stitchmatic Shoe Crafts Pvt.Ltd, Chennai
19	M/s. LIDKAR, Bengaluru
20	M/s. Kapsons Worldwide, New Delhi
21	M/s. Royal Trading Corporation, Mumbai
22	M/s. Fash Footwear, West Bengal
23	M/s. Metro & Metro, Agra
24	M/s. Farida Shoes, Ambur
25	M/s. Shoenbird, Mumbai
26	M/s. Foot Pro, Chennai
27	M/s. Alphine Shoes, Faridabad
28	M/s. Habbeeb Tanning & Co, Gudiyattam



BENEFICIARIES OF CFTI CHENNAI



(B) Specialized Program Beneficiaries

29	M/s. Meanmetal Motors Private Limited,Bangaluru
30	M/s. Sky Fly Careers Private Limited,Chennai
31	M/s. Generix Software Labs Private Limited,Chennai
32	M/s. Pankh Handicrafts Private Limited,Mangalore
33	M/s. Deeper Blue India Private Limited,Chennai
34	M/s. Hanka Adventures Sports & Aviation Services Private Limited,Mysore
35	M/s. Waldo Tech Solutions Private Limited,Chennai
36	M/s. Ubika Media India Private Limited,Bangal
37	M/s. Fitbash Fitness Services Private Limited,Hyderabad
38	M/s. Einmonk Technologies Private Limited (Opc),Chennai
39	M/s. People Institute For Competency Building Technology & Research Private Limited (Opc),Bangaluru
40	M/s. Novel Classics Private Limited,Bangaluru
41	M/s. Aquaswim Impex Private Limited,Bangaluru
42	M/s. Syed Chit Fund Private LimitedBangaluru
43	M/s. Assetz Communities Development Private Limited,Bangaluru
44	M/s. Rkk Heaven Habitats Private Limited,Bangaluru
45	M/s. Software Factory Private Limited,Bangaluru
46	M/s. Quantega Technologies Private Limited,Bangaluru
47	M/s. Unibst Services Private Limited,Chennai
48	M/s. Intimar Services Private Limited,Bangaluru
49	M/s. Samartha Nidhi Limited,Bangaluru
50	M/s. Andhra Pradesh State Skill Development Corporation,Hyderabad
51	M/s. Stem Ip Services Private Limited (Opc),Bangaluru
52	M/s. Rajaraja Chozhan Farmers Producer Company Limited,Chennai
53	M/s. Vcu Hungry Foods Private Limited,Chennai
54	M/s. Spic Fashions Private Limited,Chennai
55	M/s. Simply Sapnaa's Private Limited,Bangaluru
56	M/s. Shivprabh Pharmaceuticals Private Limited,Bangaluru
57	M/s. Satyavathi Flycon Blocks Private Limited,Hyderabad
58	M/s. Amac Engineering Services Private Limited,Chennai



BENEFICIARIES OF CFTI CHENNAI



59	M/s. Sri Velava Power Energy Private Limited, Chennai
60	M/s. Prozest Realty Private Limited, Bangaluru
61	M/s. Altas Ventures Private Limited, Chennai
62	M/s. Ramesh Commercial Trading Private Limited, Bangaluru
63	M/s. Invigo Tea Private Limited, Chennai
64	M/s. Idl Humans Link (India) Private Limited, Hyderabad
65	M/s. Parihar Chits Private Limited, Chennai
66	M/s. Richmen Commercial Solutions Private Limited, Bangaluru
67	M/s. Datta Pruthuvi Realtors India Private Limited, Chennai
68	M/s. Xiaomi Technology India Private Limited, Chennai
(C) Jobwork Beneficiaries	
69	M/s. M.V.Diabetes Foot Care, Chennai
70	M/s. India Shoe Export Pvt Ltd, Chennai
71	M/s. Karam Leder Fabric, Nagalkeni
72	M/s. LMS Gani Mohamed And Co, Ranipet
73	M/s. Amjad Finished Leather Co, Pernambut
74	M/s. Caldes Fashines, Chennai
75	M/s. Rathna Leather Private Limited, Ranipet
76	M/s. Raadhika Shoecraft Private Limited, Chennai
77	M/s. Evergreen Overseas Soles, Vellore
78	M/s. Leather & Lace Collection LLP, Gerugambakkam
79	M/s. M V Diabetes Foot Care, Chennai
80	M/s. LMS Gani Mohamed And Co, Ranipet
81	M/s. SAM Leather, Ranipet
82	M/s. SAM Leather, Ambur
83	M/s. Ambur Traders, Ambur
84	M/s. Rathna Leather Private Limited, Ranipet
85	M/s. RGT-PR Concepts Private Limited, Chennai
86	M/s. Chennai MESH, Chennai
87	M/s. Evergreen Overseas Soles, Vellore
88	M/s. PA Footware Private Limited, Gummidipoondi
89	M/s. Unique Concern, Chennai
90	M/s. Amjad Finished Leather Co, Pernambut



Common Facility Services



Automatic Sewing Machine - Brother



Dieless Cutting Machine - Zund



Pattern Cutting Machine - COMELZ



3D Foot Scanning & Customized Foot Insoles



Laser Cutting and Engraving Machine



Digitizing Plotter and Pattern Creating



PU - Pouring Machine (PUMA)



Full Shoe Making - Job Works

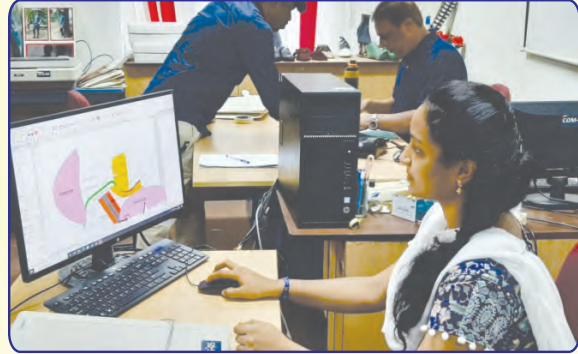
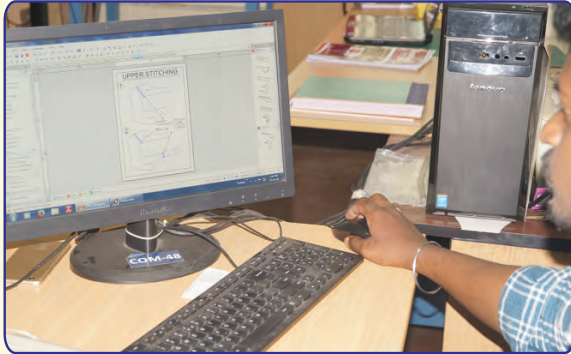




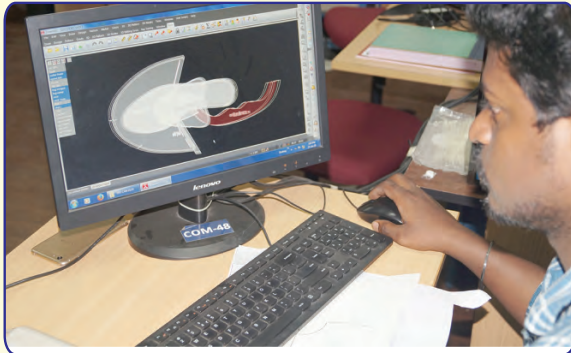
Common Facility Services



Graphical Documentation Manager (GDM)



Shoe Design & Development



Upper Making - Job Works



PPE Kits





Tariff for Design Development Services



Job work cost under common facility services in CFTI, Chennai while rendering its services to common facility services with its modernized setup and infrastructure to all Micro Small and Medium Enterprises on hourly basis and few on job basis. The lists of machine for utilization with its charges are listed here under

DESIGN SECTION

S.No.	Job Description	Description	UOM	Cost in INR
1	Design & Development	Critical Construction	1 Size	2000
		Normal Construction	1 Size	1500
		SANDAL	1 Size	1000
2	Digitizing & Pattern Grading (1.01)	Normal Construction	1 Series *	1500
		Boot & Mocassin	1 Series *	2000
		Normal Model in Sandal	1 Series *	1000
3	Marking Patterns (1.02)	Type by Plastic	1 Series *	1500
		Type by Shank Board	1 Series *	3000
4	Cut file on Paper patterns	Type by Chart (Consecutive Sizes)	1 Series *	1200
		Type by Chart (Incl. Half Sizes)	1 Series *	1500
5	Graphical Documentation Manager	Normal File	1 File	1500
6	Graphical Documentation Manager	Complicated File	1 File	2000
7	Costing Sheet	Any Type	1 File	1000
8	Insole / Sole Grading	For Any Type (Incl. Half Sizes)	1 Series *	500
9	Vaccum Shell (1.05)	For Any Type	1 Pair	150

Tariff for other Common Facility Services

CLICKING SECTION

S.No.	Job Description	Description	UOM	Cost in INR
10	Swinging Arm Clicking M/c	ATOM SE16 (16 T Capacity)	Per hour	50
11	Swinging Arm Clicking M/c	ATOM SE-18 (20 T Capacity)	Per hour	50
12	Travel Head Cutting Machine	ATOM -SP588 25 Tonnes	Per hour	150
13	Splitting Machine with width 400 mm	SEAZEN SZ 400	Per hour	120
14	Stamping Machine	BRUGGI	Per hour	25
15	Stamping Machine	Indigeneous (TSE)	Per hour	25
16	Strap Cutting Machine (Circular Type)	Indigenous	Per hour	50
17	Strap Cutting Machine (Vertical Type)	Indigenous (TSE)	Per hour	50

CLOSING & PRECLOSING SECTION

S.No.	Job Description	Description	UOM	Cost in INR
18	Flat Bed Single Needle M/c	Indigenous	Per Hour	25
19	Flat Bed Single Needle M/c	Indigenous	Per Hour	20
20	Flat Bed Single Needle M/c	TTY	Per Hour	20
21	Post Bed Single Needle Sewing M/c	AK8820	Per Hour	20
22	Post Bed Single Needle M/c	TTY 9910	Per Hour	20
23	Post Bed Single Needle M/c	ADLER (888 ECO)	Per Hour	50
24	Post Bed Single Needle M/c	ADLER (4180-I)	Per Hour	25
25	Post Bed Single Needle M/c	JUMBO KING	Per Hour	25
26	Computerized Post Bed Single Needle M/c	ADLER (888 CLASSIC)	Per Hour	50
27	Post Bed Double Needle M/c	Indigenous	Per Hour	25
28	Post Bed Double Needle M/c	ADLER	Per Hour	25
29	Post Bed Double Needle M/c	JUMBO KING	Per Hour	25
30	Cylinder Bed Single Needle M/c	PFAFF-335	Per Hour	25
31	Cylinder Bed Single Needle Lock Stitch M/c	ADLER	Per Hour	30
32	Zig Zag Machine	PFAFF-418	Per Hour	25
33	Skiving M/c	TORIELLI-105	Per Hour	25
34	Skiving M/c	JUMBO KING	Per Hour	25
35	Heavy Duty Skiving M/c with Dust Collector	GLOBAL SK 112	Per Hour	40
36	Skiving M/c	JUMBO KING WR 801	Per Hour	25
37	Strobel M/c	STROBEL	Per Hour	50
38	Strobel M/c	PFAFF	Per Hour	25
39	Pneumatic Eyeleting M/c	TORIELLI	Per Hour	30



Tariff for Common Facility Services



SOLE / INSOLE MAKING SECTION

S.No.	Job Description	Description	UOM	Cost in INR
40	Insole Moulding Machine	Torielli	Per hour	50
41	Insole Bevelling Machine	Indigenous	Per hour	30
42	Insole Rivetting Mc	BRUGGI -BRU-112	Per hour	30

FULL SHOE LASTING / BOTTOMING SECTION

S.No.	Job Description	Description	UOM	Cost in INR
43	Pre Forming M/c (Moccasin-4 Station)	Indigenous	Per Hour	50
44	Toe Mulling M/c	Indigenous	Per Hour	40
45	Counter Moulding M/C	Torielli 85/ZCH	Per Hour	50
46	Counter Moulding M/c	PR 1440	Per Hour	80
47	Toe Lasting M/c (Hydraulic Type)	MOLINA- BIANCI Mobi 1/ BUSM RBII	Per Hour	200
48	Heel Mulling M/c	157.6.17	Per Hour	40
49	Side and Seat Lasting	CERIME 58 E	Per Hour	200
50	Cement Seat Lasting Machine	Toreilli/ ORMAC- 760	Per Hour	100
51	Heel Seat Crowning Machine	Alen 211	Per Hour	50
52	Pounding & Ironing M/c	Torielli - 17/AGC	Per Hour	60
53	Hot Air Blower	TORIELLI	Per Hour	40
54	Hot Air Blower	Indigenous	Per Hour	40
55	Heat Setting Plant (4 Track)	Indigenous	Per Hour	120
56	Roughing & Scouring M/c	Torielli - CF78/ CF78 N	Per Hour	50
57	Flash Activating M/c	ISMC	Per Hour	30
58	Dryer & Reactivator	PR 1155	Per Hour	120
59	Sole Attaching M/c (Pneumatic)	Elettro Technica BC	Per Hour	75
60	Sole Attaching M/c (Hydraulic)	Sigma 756	Per Hour	100
61	Chiller Plant	Indigenous	Per Hour	80
62	Chiller Flash Activa M/c	706 MOLINA ITALY	Per Hour	70
63	Delasting & Re-Lasting M/c	Indigenous	Per Hour	20
64	Topline (Collar) Forming M/c	Alen- 102 SR	Per Hour	100
65	Brushing & Polishing Machine	Indigenous	Per Hour	50
66	Spray Booth	Indigenous	Per Hour	50
67	Side Wall/ Sole Stitching M/c	MECVAL CS 82 N	Per Hour	175
68	Heel Nailing Pneumatic Machine	Torielli 192/ SDV Lue Model	Per Hour	50

SPECIAL PURPOSE MACHINES

S.No.	Job Description	Description	UOM	Cost in INR
69	Dieless Cutting M/c	ZUND LC-2400 ECO	Per Hour	1200
70	Comelz Cutting M/c	P55	Per Hour	400
71	PU - Pouring Maching		Per Hour	1000
72	Laser Engraving & Cutting M/c	ELITA 32	Per Hour	300
73	Automated Pattern Sewing M/c	SB 1286201 BAS-341HXL	Per Hour	400
74	3D Customized EVA Foot Bed	Inescop	Per Pair	1100
75	Zig-Zag Sewing M/c with cording	Adler 527-847	Per Hour	50
76	Crimping M/c (Hydraulic Type)	SZ-571	Per Hour	100
77	Cutting Board Surfacing M/c	Indigenous	Per Side	50
78	Toe Moulding /Shaping M/c	Moulded Upper/Components	Per Hour	160

For Job Works and Common Facility Services, please contact
jobwork@cftichennai.in | 9840405722 | 6398011184

CENTRAL FOOTWEAR TRAINING INSTITUTE

65/1, GST Road, Guindy, Chennai - 600 032.

Phone: 044-22501529 Website: www.cftichennai.in

Also Follow us on: Facebook - [cftichennaiinfo](https://www.facebook.com/cftichennaiinfo) Twitter - CFTI_chennai



CRIMPING MACHINE



The **IDEAL Partner** to give exquisite and fashionable **3D SHAPE** to your **Shoe Uppers**

The **Crimping Machine** at CFTI is very versatile and can handle genuine Leather as well as Synthetic Materials with **EXCELLENT ACCURACY** and **REPETIVITY**.

It is adaptable with **ANY VAMP SIZE** and its **ADVANCED 3D VAMP CRIMPING TECHNOLOGY** ensures an **ACCURATE VAMP POSITIONING & ONE BUTTON QUICK MOULD RELEASE** without the need for any additional Conditioning.

Brand - OLYMPIC PATENTED VC-19 D

Salient Features:

1. A crimping machine with dynamic angle for any vamp
2. Advanced 3D Crimping technology for any blocking angle
3. No more double cutting
4. Suitable for all kinds of upper curves even for large and Thick upper
5. Perfect angle in just 12 sec
6. Capacity: 1200 Pairs/8 Hours

INPUTS REQUIRED	OUTPUT PROVIDED	TARIFF
Vamp Upper/Finished Upper	3 D Crimping Upper	Rs. 10/- Per Pair



PU POURING MACHINE

BRAND: PUMA James 3 (18 Station- Banana Type) (ORIGIN: ITALY)

CFTI Chennai provides good quality, comfort and extremely appealing designs. Our institute offers a range of Synthetic Leather Footwear that is manufactured using high quality material. The comfort and quality in our range of Footwear is guaranteed at the time of producing the slippers, shoes and sandals.

Salient Features:

- The PU pouring machines produces the ladies PU sandals, mens sandals, safety shoes and other all kinds of polyurethane shoes.
- This machine is specialized for producing different color, density and the slippers, shoes and sandals.
- This equipment includes one three components low pressure PU foam machine and one automatic banana-type production line
- The PU Pouring machine contains 18 stations.
- This PU pouring technology is used to produce polyurethane outsole, midsole &

INPUTS REQUIRED	OUTPUT PROVIDED	TARIFF
Size Break Up of Required Soles, Finished Upper; Size set of moulds (if using specific sole designs)	PU Unit Sole, PU Midsole, PU Footbed, Moulded Sandals and Moulded Shoes	Depends on the items



TOE MOULDING MACHINE



For perfect shaping of Shoe Uppers for varying upper thickness and with electronically controlled Moulding Machine for precision and accuracy – the Toe Moulding Machine at CFTI, Chennai is your 'Perfect Fit.'

Salient Features:

- This machine has 2 cold stations & 2 hot stations and equipped with a pneumatic balancing kit.
- Uppers can be processed with thermo plastic or thermo adhesive coated toe puffs.
- Uppers can be Pre-Shaped both in case of traditional lasting and string lasting (Strobel lasting) for sports shoes.
- Electronic control with digital visualization of heated and cooled moulds temperature.
- Adjustment/Adapting to different thickness from thickness from lighter uppers to thick ones.

INPUTS REQUIRED	OUTPUT PROVIDED	TARIFF
Vamp Upper/Finished Upper	Moulded Upper/Components	Rs.160/- Per Hour

AUTOMATED PATTERN SEWING MACHINE

BRAND – BROTHER BAS 341 HXL



Do you have some complex patterns to sew to create visually stunning and aesthetic footwear which otherwise require skilled labor and a sophisticated machine?

Regardless of the case, the **programmable electronic pattern sewing machine in CFTI, Chennai could be the solution** for leather and leather product industry that you have been searching for.

Salient Features:

- The machine provides **accurate and strong sewing** for heavy and extra-heavy materials.
- It provides the **highest quality sewing with maximum performance** exactly the way it is programmed even at high speeds.
- LCD Touch panel provides for **easy programming**, helping **reduce the preparation time**.
- It is designed to replace the need for manual sewing operators to sew leather or non-leather components with **any given complicated shape and pattern** for **Leather Product applications**.

INPUTS REQUIRED	OUTPUT PROVIDED	TARIFF
Cut Components, DXF Files & Jig	Sewed Upper Leather Components	Rs. 400/- Per Hour



3D CUSTOMIZED EVA FOOTBED MACHINE



3D Mobile Scanner



Podo Print



Milling & Routing Machine CNC FRH50

INSCOP CAD PAN & FRH 50 (ORIGIN: SPAIN)

Do you suffer from pain in the underfoot? Are your feet hurting you? Come straight to CFTI, Chennai and using the Customized Footbed Machine get a Custom made 'Footbed' which will fit the contours of your foot and completely relieve you from Foot problems.

Salient Features:

- Specializing in the design for diabetic / orthopaedic patients and athletes for functional footbed.
- Designed from different input data like foot measurements, the positioning of certain key points, foot meshes or digitized insoles and lasts.
- Full length or $\frac{3}{4}$ length insoles can be designed, and different parameters like the wedge or the heelcup can be configured so as to aid in the treatment of different foot disorders.
- We can mill, cut, shape, drill the Customized Footbed using EVA resins for prototyping



INPUTS REQUIRED	OUTPUT PROVIDED	TARIFF
Foot Scanning	Customized & Various Kinds of Insole	Rs. 1100/- Per Pair

CUTTING BOARD SURFACING MACHINE



CFTI Chennai with its latest 'Cutting Board Surfacing Machine' can easily solve the problem of smoothing uneven plastic cutting boards surfaces due to daily commercial usage and helps users significant expense due to the otherwise frequent purchase of new cutting boards.

Salient Features:

- Improve surface sanitation by removing knife cuts.
- The service is performed with industrial equipment specially designed to resurface the plastic.
- Extend the life of existing cutting boards.
- 1/3 the cost of new boards.
- Fast and efficient

INPUTS REQUIRED	OUTPUT PROVIDED	TARIFF
Cutting Board (Uneven Surface)	Cutting Board (Leveled)	Rs. 50/- Per Side

DIE LESS CUTTING MACHINE

Brand – ZUND LC-2400



The World has become DIGITAL and its TIME you DID TOO by utilizing the Dieless Cutting System available at CFTI, Chennai which is the first choice in digital cutting.

The DXF file can be accessed by the CAD system and is aimed to satisfy variety of materials and cutting needs.

Salient Features:

- Can cut multi-layer materials.
- Nesting of footwear components for optimizing on material usage & minimizing the wastage.
- Conventional knives and dies are not needed by adopting this technology.
- Cutting of various footwear materials such as Upper & Lining Leather, Textile Materials, Foam, Cloth & Synthetic Materials etc.
- This machine is specifically designed with superior speed & acceleration and intelligent tool control.
- The ability to change cutting parameters any time during cutting.
- Faster digital cutter and smart nesting system for small orders production.
- It has 1 knife, 1 pen and 2 punching modules.

INPUTS REQUIRED	OUTPUT PROVIDED	TARIFF
DXF File, Upper & Lining Leather, Textile Materials, Foam, Cloth & Synthetic Materials	Cut Components as per the Design	Rs. 1200/- Per Hour

SIDE WALL STITCHING M/C

BRAND – MEC-VAL CS 87

The Mec-Val CS 87 with its Two Threads Lockstitch Sewing Machine for Shoes and Ankle Boots with Opanka (Box) Soles is your trusted partner for large volume Side wall stitching with great accuracy.



Salient Features:

- Rotary hook with capacity of stitching up to 10 pairs of shoes without a bobbin change.
- Walking foot with needle feed provides consistent stitch lengths.
- The rotating horn with hook made with a special profile for easy sewing around the toe and heel, even on closed ankle boots.
- Programmable electronic motor & pneumatic lifting of the foot.
- Standard horn to stitch shoes from size 10 US (28 EU) and up
- Automatic thread trimmer increases the production capacity.
- Capacity: 500 to 600 Pairs/Day.



INPUTS REQUIRED	OUTPUT PROVIDED	TARIFF
Sample Upper and Soles	Side Wall Stitched Shoes	Rs. 175/- Per Hour



COMMON FACILITY SERVICES CAD CAM SERVICES

Your most RELIABLE partner for comprehensive 2D & 3D CAD Solutions



FACILITY	SERVICES OFFERED	INPUTS REQUIRED	OUTPUTS PROVIDED
<p>UPPER SKIVING</p> <p>PRODUCT DATA MANAGEMENT-(PDM) / GRAPHICAL DOCUMENTATION MANAGER (GDM)</p>	<ul style="list-style-type: none"> • Production modules: Cutting Automation. • Working process definition • Show Boards • Costing modules: Consumption, Costing. • Leather and synthetic consumption including parallelogram/auto methods. • Easy costs evaluation with Excel like spread sheets. • Development modules: Manage BOM and specification sheets for various operations. • Managing of materials and components information. • Customisable reports and specification sheets. 	<ul style="list-style-type: none"> • Shoe sample • Material details 	<ul style="list-style-type: none"> • Bill of Materials • Technical sheets • Production cycles • Material components and consumption • Costing

TARIFF FOR GDM & COSTING

S.No.	JOB PARTICULARS	DESCRIPTION	UOM	COST IN INR
1	GDM	Normal File	1 File	1500.00
		Complicated File	1 File	2000.00
2.	Costing Sheet	Any Type	1 File	1000.00




For Job Works and Common Facility Services, Please Contact
jobwork@cftichennai.in, 9840405722, 6398011184



COMMON FACILITY SERVICES CAD CAM SERVICES

Your most RELIABLE partner for comprehensive 2D & 3D CAD Solutions



FACILITY	SERVICES OFFERED	INPUTS REQUIRED	OUTPUTS PROVIDED
 CONCEPTUAL DESIGNING	<ul style="list-style-type: none"> Creation of CAD Design Reverse engineering of a Shoe Creation of Virtual Samples 	<ul style="list-style-type: none"> Photo of shoe or 2D sketches Model last 	<ul style="list-style-type: none"> 3D shoe design on the last. Creating Virtual 3D prototype of the shoe with different textures. 2D & 3D data for production of uppers. Copy a physical shoe for Reverse engineering. Scanning of shoes, sketches and last for 3D shoe modeling
 3D LAST MODELLING &	<ul style="list-style-type: none"> E-Last Import Advanced Flattening System Simultaneous 2D & 3D Styling Full Pattern Engineering Functions 	<ul style="list-style-type: none"> Model last E-last 2D shell with Style Lines Set of Patterns in Model Size Dxf file 	<ul style="list-style-type: none"> 3D & 2D Shoe Design and Pattern Engineering. E-last import from the last makers. Model 3D Last modification & Grading. Design/styling directly on 3D last or 2D shell. 3D & 2D Grading.
 2D PATTERN ENGINEERING & GRADING			

TARIFF FOR 2D PATTERN GRADING

S.No.	JOB PARTICULARS	DESCRIPTION	UOM	COST IN INR
1.	Design & Development	Critical Construction	1 Size	2000.00
		Normal Construction	1 Size	1500.00
		Sandal	1 Size	1000.00
2.	Digitizing & Pattern Grading	Normal Construction	1 Series	1500.00
		Boot & Mocassin	1 Series	2000.00
		Normal Model in Sandal	1 Series	1000.00
3	Marking Patterns	Type by Plastic	1 Series	1500.00
		Type by Shank Board	1 Series	3000.00
4	Cut file on Paper patterns	Type by Chart (Consecutive Sizes)	1 Series	1200.00
		Type by Chart (Incl. Half Sizes)	1 Series	1500.00
5	Insole/Sole Grading	For Any Type (Incl. Half Sizes)	1 Series	500.00
6	Vacuum Shell	For any Type	1 Pair	150.00

For Job Works and Common Facility Services, Please Contact
jobwork@cftichennai.in, 9840405722, 6398011184



Central Footwear Training Institute, Chennai

Under Ministry of MSME, Govt. of India



Manpower Requirement Sheet

1. Name of the Company & Address :

Leather / Non Leather Footwear / Leather Goods & Garments

2. Industry Type :

3. Required number of Employees :
(fresh worker)

S. No.	Job Role	Requirement in Number	Minimum experience required (in years)	Approx. Salary per month	Preferred Locations of Employee
(i)	Stitching Operator Footwear (Non Leather)				
(ii)	Stitching Operator Footwear (Leather)				
(iii)	Stitcher Goods and Garments)				
(iv)	Cutter Footwear)				
(v)	Cutter (Goods and Garments)				
(vi)	Pre Assembly Operator (Non Leather)				
(vii)	Pre Assembly Operator (Leather)				
(viii)	Lasting Operator (Non Leather)				
(xi)	Lasting Operator (Leather)				
(x)	Helper Upper Making				
(xi)	Helper Finishing Footwear				
(xii)	Helper Finishing Operators				
(xiii)	Others				

4. Manpower Requirement period : From _____ To _____

5. Availability of Vehicle for employee :
transportation (Area name covered)

6. Name of the Company Authority :
& Designation

7. Contact Number & Email :

8. Signature :

9. Company Seal :



The Footwear, Bags & Luggage, Goods&Garment, Non-Leather product Industry requires 1 Lakh skilled resources annually

Apprenticeship –
Helps Reduce Recruitment
Costs and Compliance

Provides Skilled Resources
Increased Productivity
Lowers attrition

Industry relevant QPs & NOS

Stitcher (Footwear, Goods&Garments), Cutter (Footwear, Goods&Garments),
Lasting operator, Drum operator, Post Tanning Operator, CAD/CAM,
Moulding Operator, Quality Control and more ..



LEATHER
SECTOR
SKILL
COUNCIL

For more details contact our representative
GCV House, First Floor, #81 Nungambakkam High Road,
Nungambakkam Chennai – 600034 Tamil Nadu

Email us at : lssc@leatherssc.org | Phone +91 44 49920006

 Like us on Facebook@LSSC.INDIA  Like us on Twitter@leatherssc

 Like us on Instagram@leather.ssc



सत्यमेव जयते
GOVT OF INDIA



CENTRAL FOOTWEAR TRAINING INSTITUTE, CHENNAI

MSME - TECHNOLOGY DEVELOPMENT CENTRE

(Ministry of Micro, Small & Medium Enterprises, Govt. of India Society)



COURSE DETAILS

An ISO 9001:2015 Certified Institute



INVITES APPLICATIONS FROM ELIGIBLE CANDIDATES FOR THE FOLLOWING JOB ORIENTED LONG & SHORT-TIME COURSES

S. No.	Name of the Course	NSQF Level	Duration	Eligibility	Age	Course Fee (in Rs.)		Month of Commencement
						General Candidates	SC/ST Candidates Raw materials fees only	
1.	Advanced Certificate Course in "Footwear Manufacturing Technology" (FMT)	5	12 months	10th Pass	35 max	72,000	22,000	July
2.	Advanced Certification Course in "Footwear Design & Product Development" (FDPD)	5	12 months	12th Pass	35 max	1,22,000	22,000	June
3.	Certificate Course in "Footwear Design & Production" (CFDP)	4	6 months	10th Pass	35 max	40,000	10,000	July
4.	Diploma in Footwear Manufacture & Design (DFMD)	6	24 months	12th Pass	17 to 25	1,56,000	36,000	June
5.	Post Graduate Diploma in Footwear Technology (PGDFT)	7	18 months	Any Graduate	35 max	1,45,000	20,000	August
6.	Post Diploma in Footwear Technology (PDFT)	6	12 months	Any Diploma	35 max	1,20,000	20,000	July
7.	Leather Goods Maker (LGM)	3	12 months	10th Pass	35 max	85,000	18,000	September

- No tuition fee for SC/ST candidates. Only the cost of raw materials issued to them for practical purpose is charged. The finished goods (No. of pairs of shoes made in the practicals differ from course to course) are given back to the students for their own use. Also Hostel Fees is to be paid by all outstation candidates.

Course mentioned at Sl. No. 4 affiliated with Leicester College, London, UK.

- For all other courses mentioned at Sl. No. 1, 2, 3 & 5, 6, 7 above, certificates are issued by Government of India.
- Placement assistance will be provided for all successful candidates for the courses mentioned at Sl. No. 1 to 7.
- No Entrance Exam. Admission is based on "FIRST COME FIRST SERVE" basis and on MERIT basis as well.
- All above mentioned Long Term Courses are of NSQF Compliance.
- Apart from the above mentioned fees, caution money deposit of Rs. 5,000 is to be paid by all (including SC/ST) candidates for the courses mentioned at Sl. No. 1, 2 & 4 to 7 and Rs. 3,000 for the course mentioned at Sl.No. 3.
- Caution Money Deposit will be refunded to all the Students (provided there is no recovery on account of loss of tools or property) after completion of the Course.

For further details
Contact: 9677943633 / 9677943733
www.cftichennai.in