Footwear Chronicle

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A Quarterly Journal by Central Footwear Training Institute, Chennai
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CFTI signed a MoU with TNSDC in the presence of Shri. Edappadi K. Palaniswami, Hon'ble Chief Minister, Govt. of Tamilnadu and Dr. Nilofer Kafeel, Hon'ble Minister for Labour, Employment & Training, Govt. of Taminadu for setting up of a Multi Skill Development Centre - an Extension Centre of CFTI, Chennai at Vaniyambadi, Tirupattur District, Tamilnadu.

Dawn of New Extension Centers at Vaniyambadi, Tamilnadu and Karnataka

Director, CFTI, Chennai paid a courtesy call to Shri. Jagadish Shettar, Minister for Large and Medium Scale Industries, Govt. of Karnataka, in connection with establishment of CFTI's Extension Centre in Karnataka

Sewing machines you can rely on

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SP INTERNATIONAL

From the Director's Desk

Hello readers,

Seasons' Greetings from Central Footwear Training Institute, Chennai.

At the outset I wish each and every one of you a happy and prosperous New Year 2021.

As you all would agree, the year 2020 was ravaged by the scourge of the deadly corona virus. As a whole the year 2020 was a disappointing year for all of us . It was indeed a severe testing time for each and every one of us . But no matter how hard the past was, we can always begin again in the year 2021.

I am delighted to share with you that despite many hardships , CFTI, Chennai has achieved a milestone and created history by signing a Memorandum of Understanding with the Tamil Nadu Skill Development Corporation in the presence of Thiru Edappadi K.Palaniswamy, Hon'ble Chief Minister of Tamil Nadu for setting up of an Extension Centre of Central Footwear Training Institute, Chennai at Vaniyambadi, Tirupathur District, Tamil Nadu. This Extension Centre will be a Centre of Excellence and will function as a Multi Skill Development Centre for Leather and allied products. This will cater to the needs of MSMEs in and around Vaniyambadi which is considered to be one of the major hubs for leather footwear and other allied products. The Center is likely to be inaugurated shortly.

Similarly Government of Karnataka has agreed in principle to allot land and building in Karnataka State to CFTI, Chennai for setting up of second Extension Center there. Formal orders to this effect are expected from the Government of Karnataka shortly.

CFTI got the order for bulk supply of PPE Kits from the Tamil Nadu Medical Services and therefore production of PPE kits is in full swing.

Now that the activities of CFTI have restored to normalcy, our job works services are very active and many MSMEs have availed various services under Job work. Another interesting factor is that during difficult times CFTI, Chennai acted as a bridge connecting employees loosing job from the footwear sub sector, registered them through CFTI portal and re-aligned/mapped to the needy employers, when they kick start during early release of lock down. Let us hope and pray that the year 2021 would bring happiness and bring back life to normalcy.

Wishing you all the very best.

K. MURALI
Director

SIGNIFICANT ACHIEVEMENTS DURING THE PERIOD OCTOBER TO DECEMBER 2020

Specialized Training Programmes:

- In the context of COVID-19 lockdown, the Institute conducted in houseoffline specialization training programmes, through online mode. Fifty Nine programmes namely Lean Six Sigma Black Belt, Lean Six Sigma Green Belt, Block Chain, Cyber Security, Export Business, Logistics & Supply Chain, Solar Power Installation, Digital Marketing, GST Practitioner, Internet of Things, Chemical Product Making, Content Writer Professional, Project Management, E-Smart Tally, E-Smart GST, Start Your Own Business, Gold Audit Tally ERP 9, Stock Trading, Advanced Excel, Web Developer with coding, Income tax, Cargo Clearance etc. were conducted with 1196 participants.

Long Term Courses:

- Two courses, 30th batch of 2 years Diploma in Footwear Manufacture and Design (DFMD) and 07th batch of 6 months Certificate Course in Footwear Design and Production (CFDP) have been commenced during October 2020 and online theory classes are going on.

Skill Training Programmes:

- CFTI, Chennai conducts Skill Training Programmes for SC/ST Candidates in NSQF approved job roles under SC/ST fee reimbursement Scheme with 615 participants.

Events:

- Shri. Murali K, Director, CFTI Chennai met the new Managing Director of Tamilnadu Skill Development Corporation (TNSDC) Shri.Veera Raghava Rao IAS, and discussed on skill requirement assistance for the leather and footwear sector in Tamilnadu on 06th December 2020.
- Shri. Murali K, Director, CFTI Chennai along with Honourable Labour Minister Smt. Nilofer Kafil, Shri. Sivan Arul IAS, Collector Thirupathur and Shri. Veera Raghava Rao, IAS MD TNSDC, Executive Engineer & AE PWD visited Vaniyambadi CFTI Extension Centre Site on 10th December 2020 and had discussions about the extension centre and its proposed activities.
- The Managing Director Tamilnadu Skill Development Corporation (TNSDC) issued a letter dated 06.12.2020 to CFTI, Chennai regarding handing over of extension centre building on 10th January 2021.
- CFTI, Chennai arranged campus Interview by M/s Ayyappa Enterprises, Chennai Manufacturer of CALONGE products for the students who successfully completed footwear course in the year 2020. Nearly 10 students got selected and started working in the company
- MoU signed in the presence of Hon'ble CM Thiru Edappadi K. Palaniswamy, Hon'ble Labour Minister Smt Nilofer Kafeel & Mr. PR.Aqeel Ahmed Chairman CLE & LSSC to establish training centre in Vaniyambadi between Mr.Murali Director, CFTI Chennai & Mr.Vishnu IAS, MD (TNSDC) at Secretariat on 04.11.2020
- Central Footwear Training Institute (CFTI) Chennai participated in the job mela conducted by Department of Employment and Training, Ministry of Labour, Govt of Tamilnadu. Admission team from CFTI Chennai covered the public interest of knowing the courses run by the Institute from 03rd – 05th November 2020.
- Meeting between Shri. Nataraj MD LIDKAR & Shri.K Murali Director, CFTI Chennai to discuss on establishment of CFC's at Mysore and Chitradurga, Karnataka through SFURTI Scheme from KVIC, Ministry of MSME, Govt of India.
- Director CFTI, Chennai Shri. Murali K visited LIDKAR colony Mysore with team of Experts to discuss on CFC need and requirement at Mysore Leather Cluster.
- Director CFTI, Chennai Shri. Murali K visited Chitradurga for establishing CFC at New LIDKAR Complex through SFURTI Scheme along with. GM Shri. Thippeswamy, Chief Manager Commercial & Administration from LIDKAR and his team.

- Director CFTI, Chennai Shri. Murali K had a Meeting with Shri. Jagadish Shettar, Minister for Large and Medium Industries & Ex CM to Govt of Karnataka, seeking guidance and support for establishment of CFTI's second Extension Centre at Hubli.
- Director CFTI, Chennai Shri. Murali K visited Hubli, Karnataka for identification of land & building alloted by Govt of Karnataka at ATI Building for establishment of it's Second Extension Centre. Shri.Shivaputrappa AD DIC Hubli, Shri.Rudraiah LIDKAR were also seen.
- Mr. Mukunthan and his co member from BIS visited CFTI, Chennai for Final Inspection and collected Samples from Mr. S. Balaji, for manufacturing license of PPE Gowns and conducted a seminar on standards of safety footwear to the technical officers, faculties and staffs of CFTI, Chennai
- The Labour and Employment Department, Govt. of Tamilnadu, has released GO on 23.10.2020, regarding establishment of CFTI Extension Centre at Vaniyambadi, through which around 2000 candidates will be trained in various long term and short term footwear courses during the next 3 years.
- The extension centre will also provide common facility services tofootwear industries and consultancy services to footwear entrepreneurs.
- Director CFTI Chennai attended meeting chaired by Ms. Alka Arora, Joint Secretary Ministry of MSME with all PD/ Director/ GM/ CEO's of other tool rooms in a discussion to promote Exports and to improve Import Substitutions in a subgroup under one of the Ministerial Task Force MTF2.
- Shri.A.K Sharma, Secretary Ministry of MSME held Video conference Discussion along with Shri.D.K Singh Additional Secretary & Development Commissioner MSME and with all CEO's of Technology Centres including CFTI, Chennai, Tool Rooms and MSME-DI's to further improve the activities of CHAMPIONS Initiative.
- CFTI Chennai Coordinators distributes certificates to the successful candidates for secondary Up gradation Training conducted by CFTI Chennai at M/s TMAR Shoes, M/s BBK Leathers, M/s Royale Exports, M/s Skywalk Shoe Industries, Ranipet
- Officers and staff of CFTI Chennai involved themselves in cleaning Drive and Plantation Drive on the eve of Gandhi Jayanthi on 2nd October 2020.
- CFTI, Chennai starts conducting CLRI sponsored skill training programmes on Leather & Footwear sector NSQF Courses at Kalarapatti, Tamilnadu in the jobrole of Stitcher Footwear after Pre Screening of candidates
- CFTI Chennai conducts skill training on NSQF approved courses in Stitcher Goods and Garments, Cutter Footwear, Cutter Goods and Garments, Stitcher Footwear, Sample Maker, Cutter Footwear to enhance the production works after COVID period sponsored by CSIR-CLRI.
- Expert trainers from CFTI Chennai on the job of training, fresh candidates in systematic and approach of stitching process & skill of controlling different stitching machines on various different materials in high quality on fast mode to the candidates sponsored by CSIR-CLRI.
- CFTI Chennai, being the Inspection agency under the aegis of Ministry of MSME, carried out the Inspection by CFTI Officers, for NSIC Certification for manufacturing of Leather Footwear at M/s. Putta Shree Leathers Pvt Ltd at Chitoor, Andhrapradesh.

Common Facility Services:

- Common facility services are being conducted by this Institute for the benefit of footwear MSMEs. During this period 74 footwear units utilized our services in Dieless Cutting, PU, Agriculture Shoe, GDM and EVA Foot bed.

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. Its premier courses are the Two year Diploma course in "Footwear Design and Production" and 1½ years Post Graduate Higher Diploma course in Footwear technology & Management studies 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 improvements.
- Patronized with "The Textile Institute, London, UK".
- Member of SATRA, UK
- 2 years Diploma Course approved by TI / 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.

PRESENT TRAINING ACTIVITIES OF CFTI, CHENNAI

Apart from regular long term, medium term and short term courses, CFTI conducts Outreach Skill Development Training Programmes for rural Footwear, Leather Goods artisans of Tamil Nadu in their neighbourhood. The objective of this programme is to develop the Footwear, Leather Goods making skill to the rural artisans at designated clusters near to their residence. These programmes have good response among the artisans as they acquire technical knowledge on material management, cost effective programme etc.

Placement Linked entry level training programme sponsored by TNSDC, Govt. of Tamilnadu

CFTI, Chennai was given an order by TNSDC for imparting training under placement linked training programme for 2,300 candidiates during 2015-16. CFTI completed the training successfully. After seeing the performance of CFTI, Chennai, TNSDC has given an order again for imparting training for 2,000 candidates under different job roles for the year 2017- 2018. CFTI has accomplished the feat successfully. Since Quality Training was imparted to the entire satisfaction to the sponsor TNSDC has given additional order of 2,500 nos. for the year 2018-19, which has been completed successfully and another 2,260 order received from TNSDC for the year (2019-20) of which 564 candidates have been trained during this quarter.

Department for Promotion of Industry and Internal Trade (DPIIT) - Primary Skill Development Training Programme

CFTI Chennai conducts DPIIT - Primary Skill Development Training to impart knowledge and skill on shop floor operations, amongst the unemployed youth on specific job roles having the employability in shoe and allied industry. It will facilitate to cater the emerging need of the skilled workforce in the footwear industries functioning at different parts of the country. Therefore, the trainees so trained shall be placed in the industry by making them employable on one hand and to reduce the skill gap in footwear and allied sector in the other. Under DPIIT Primary Skill Development Training Program CFTI has received order for 5,000 candidates FY 2019-20. 1,528 candidates have been trained under this program and another 385 candidates are undergoing training during this quarter.

Recognition of Prior Learning (RPL) Type 4

Recognition of Prior Learning (RPL) is a platform to provide recognition to the informal learning through work to get equal acceptance as the formal levels of education. RPL is a process of assessment of an individual's prior learning to give due importance to learrung as an outcome rather than learning as process.

Under PMKVY, special focus is given by this Institute to RPL by recognizing prior competencies of the assessed candidates and provides a certificate and monetary reward on successful completion of assessment. We have received an order of 5,000 nos.from LSSC out of which 2,466 has been successfully completed.

Skill Training Program Sponsored by Central Leather Research Institute (CLRI)

In Association with Central Leather Research Institute (CSIR-CLRI), (Ministry of Science and Technology) CFTI-Chennai has imparted skill training exclusively for SC/ST candidates on job roles such as Stitching Footwear, Sample Maker and Stitcher-Leather Goods and Pre-assembly Operator totalling 242 nos. 30 candidates are undergoing training during this quarter.

Training under SHG program

Skill training for 1,500 candidates under SHG program were conducted. 202 candidates have been trained under this program.

UPCOMING FOOTWEAR EVENTS

(JANUARY - MARCH 2021)

Jan 12-Jan 15, 2021 | Dallas, United States
Dallas Apparel & Accessories Market

Jan 16-Jan 19, 2021 | Riva del Garda, Italy
Expo Riva Schuh - Digital

Jan 26-Jan 29, 2021 | Kiev, Ukraine
Leather & Shoes

Jan 28-Jan 31, 2021 | Athens, Greece
Athens Fashion Trade Show

Jan 28-Jan 31, 2021 | Munich, Germany
ISPO Munich

Jan 30-Feb 1, 2021 | Düsseldorf, Germany
Fashion & Shoes

Feb 1-Feb 4, 2021 | Paris, France
Leatherworld Paris

Feb 4-Feb 6, 2021 | Madrid, Spain
MOMAD

Feb 5-Feb 7, 2021 | Edmonton, Canada
WCSA - Edmonton Shoe & Accessories

Feb 7-Feb 9, 2021 | Birmingham, United Kingdom
Moda Footwear UK

Feb 20-Feb 22, 2021 | Atlanta, United States
The Atlanta Shoe Market

Feb 21-Feb 23, 2021 | Florence, Italy
PittiImmagineUomo

Feb 22-Feb 25, 2021 | Moscow, Russian Federation
CPM Moscow

Feb 23-Feb 25, 2021 | Minsk, Belarus
Footwear, Garment, Textile Minsk

Feb 26-Feb 28, 2021 | Vancouver, Canada
WCSA - Vancouver Shoes & Accessories

Feb 28-Mar 2, 2021 | New Orleans, United States
The Travel Goods Show

Mar 1-Mar 4, 2021 | Moscow, Russian Federation
Euro Shoes

Mar 5-Mar 8, 2021 | Paris, France
Première Classe - Jardin des Tuileries

Mar 6-Mar 8, 2021 | Offenbach, Germany
ILM

Mar 7-Mar 9, 2021 | Düsseldorf, Germany
Shoes & Fashion

Mar 7-Mar 8, 2021 | Budapest, Hungary
Budapest Fashion Expo

Mar 7-Mar 8, 2021 | Ottawa, Canada
Ottawa Shoe Show

Mar 9-Mar 11, 2021 | Novo Hamburgo, Brazil
FIMEC

Mar 10-Mar 12, 2021 | Bangkok, Thailand
Style Bangkok

Mar 16-Mar 19, 2021 | Moscow, Russian Federation
Mosshoes

Mar 17-Mar 20, 2021 | Lahore, Pakistan
IGATEX Pakistan Lahore

Mar 18-Mar 20, 2021 | Warsaw, Poland
Poland Shoes Expo

Mar 21-Mar 23, 2021 | Milan, Italy
MICAM Milano

Mar 21-Mar 23, 2021 | Milan, Italy
Mipel

Mar 23-Mar 24, 2021 | Milan, Italy
Lineapelle

Mar 30-Apr 1, 2021 | Hong kong, Hong Kong
APLF Leather & Materials+

Mar 30-Apr 1, 2021 | Hong Kong, Hong Kong
Fashion Access

Profile about M/s. SP International - Proud owner of world renowned brand "Dürkopp Adler sewing machines"

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 Insitute - THEY 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

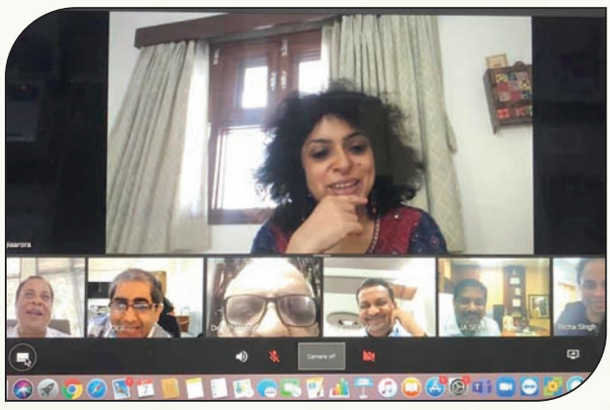
- Independently disconnect able left / right needle.
- Integrated 2nd stitch length and switchable thread tension.
- Electro-pneumatic seam back-tacking and pressure foot lift.

Director, CFTI, Chennai visited the proposed sites at Mysore and Chitradurga and held discussions with LIDKAR officials for setting up of Common Facility Centre at Mysore and EC at Chitradurga

CFTI Chennai participated in the JOB MELA conducted by Department of Employment and Training, Govt. of Tamilnadu at their Campus at Guindy, Chennai

M/s. Ayyappa Enterprises owners of world famous brand of 'COLONGE" conducted campus interview and selected 10 students

Director CFTI Chennai participated in a meeting chaired by Ms. Alka Arora, Joint Secretary, Ministry of MSME with all PD / Director / GM / CEO's of other tool rooms in a discussion to promote Exports and to improve Import Substitutions in a subgroup under one of the Ministerial TASK Force MTF2

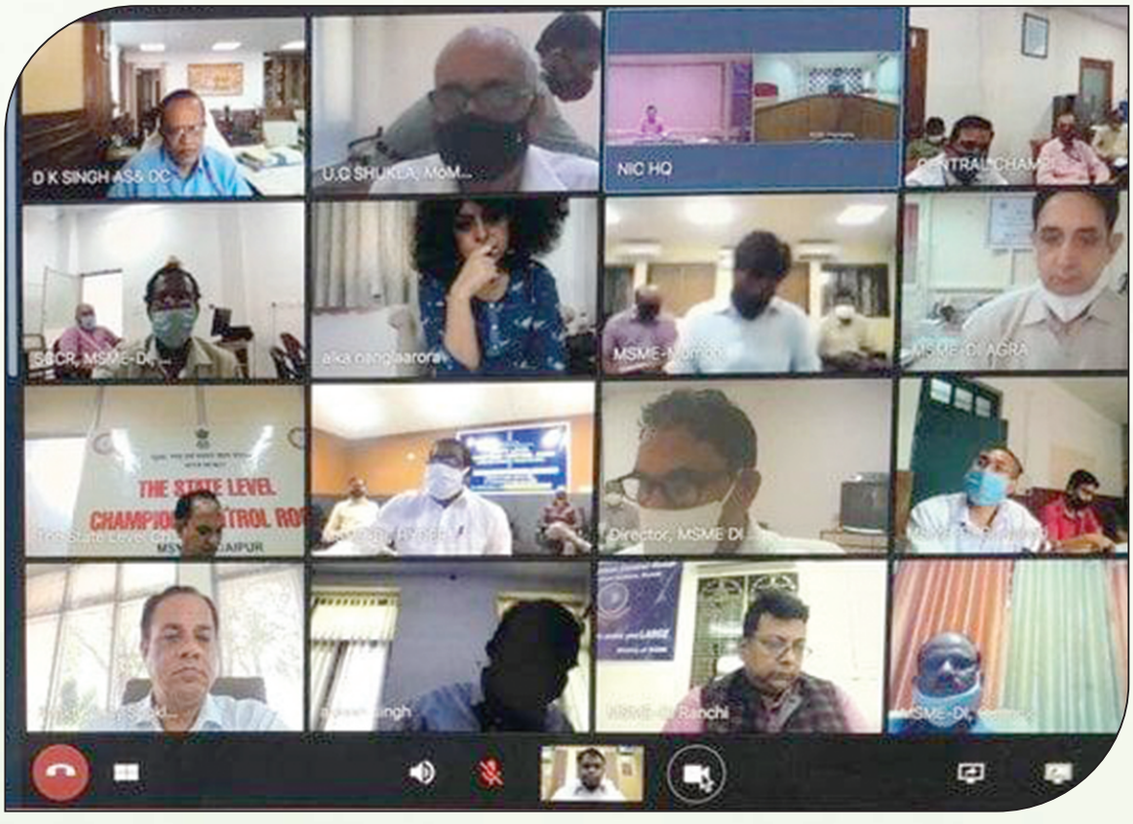



Shri. K. Murali, Director, CFTI Chennai greets Shri. Veera Raghava Rao, IAS on his assuming charge as MD, Tamilnadu Skil Development Corporation (TNSDC), Govt. of TN


Director, officers and staffs of CFTI Chennai participated in Cleaning and Plantation Drive on the occasion of Gandhi Jayanthi on the 2nd of October 2020


Director, CFTI, Chennai visited the proposed site for establishment of CFTI's Extension Centre at Hubballi. Karnataka State officials from DIC, Belgaum, Hubballi and LIDKAR were also present

Shri. A.K. Sharma, Secretary, Ministry of MSME, held discussions through video conference with CEOs of Technology Centres, Tool Rooms and MSME-DI's to further improve the activities of CHAMPIONS Initiative. Shri. D.K. Singh, Additional Secretary and Development Commissioner, MSME was also present



Representatives from CFTI met Shri. Sivan Arul, Collector of Tirupattur and Shri. A.R. Gladstone Pushparaj, Collector of Ranipet and requested their assistance for various activities of CFTI

Meeting with Shri. Nataraj, MD, LIDKAR to discuss on establishment of CFC's at Mysore and EC at Chitradurga, Karnataka Mr. Thippesamy, GM and Mr. Sekar, Marketing Executive are also seen.

Mr. Mukunthan and team members from BIS visited CFTI, Chennai for Final Inspection and collected samples from Mr. Balaji, for obtaining licence for manufacturing of PPE Gowns and conducted a seminar on standards of safety footwear to the technical officers

29th DFMD Batch students enhance the finishing of Model Big Shoe

ELEGANCE WITH SHOES

Every hand sewn, custom made shoe is a precious creation by craftsmen, on the one hand it protects the particularly delicate structure of the human foot from all sorts of unpleasantness, and on the other, as part of the wearer's clothing , it also expresses his taste - and sometimes his position is society as well. Elegance begins with the shoes.

There are many reasons why people choose custom made shoes. Most of all people would like to show them in a unique way with some creativity in shape, model, design, colour etc and also to show their individually. But apart from that, many entirely in classical tradition - would like to have an entirely new and modern pair designed for him or her.

The shoemaking process today has drastically developed with vast number of advanced technology. In olden days the shoemaker takes the customer's measurements, certainly but it is the last maker who uses these measurements to make the last that takes place of the foot for the subsequent production stages. Making a new pair of shoes with royal elegance was really challenging experience and skill of the shoemaker.

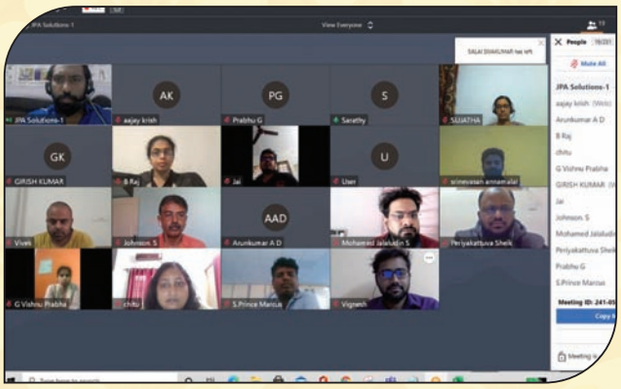
In recent times if any customer wishes for a custom made shoes it only takes the matter of designing and we can witness a lot of technology advancement till the shoes comes out with complete elegance look. Whether it is olden days or recent days people's shoes.

By, **Chandralekha Ganesh,** MBA, PGDFT,
Faculty, CFTI, Chennai

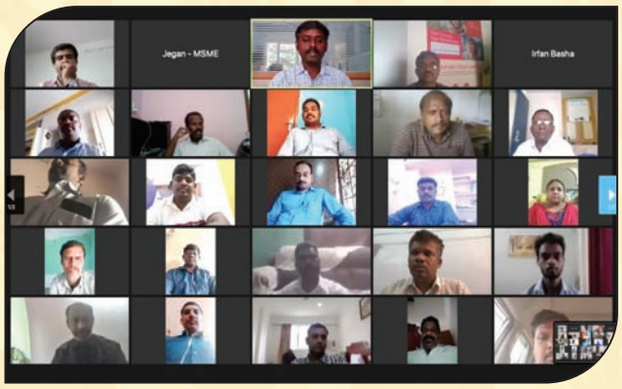
CFTI, Chennai under the aegis of Ministry of MSME being the Inspection agency carried out the Inspection by CFTI Officers, for NSIC Certification for manufacturing of Leather Footwear at M/s. Puta Shree Leathers Pvt. Ltd. at Chitoor, Andhra Pradesh

During Pandemic, CFTI conducted need based and Industry demand based week-end training programmes. These training programmes were conducted by adapting SOPs issued by government from time to time and in virtual form

Training Programme on "Artificial Intelligence"

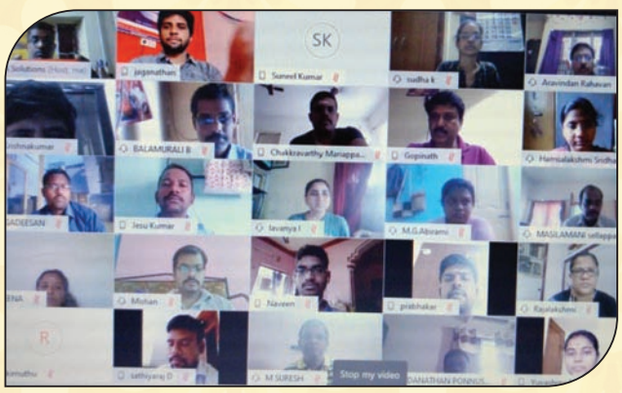


Training Programme on "Block Chain"

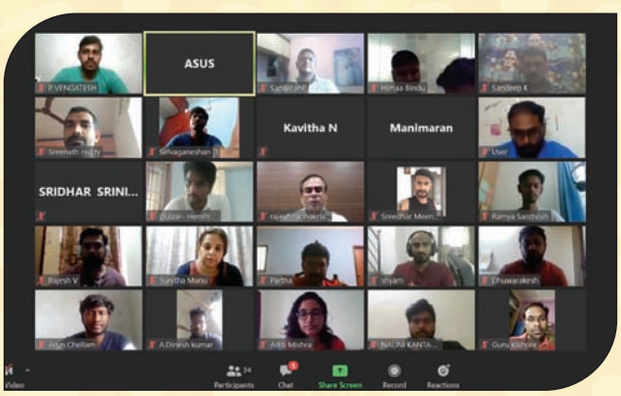


Training Programme on "Business Analytics"

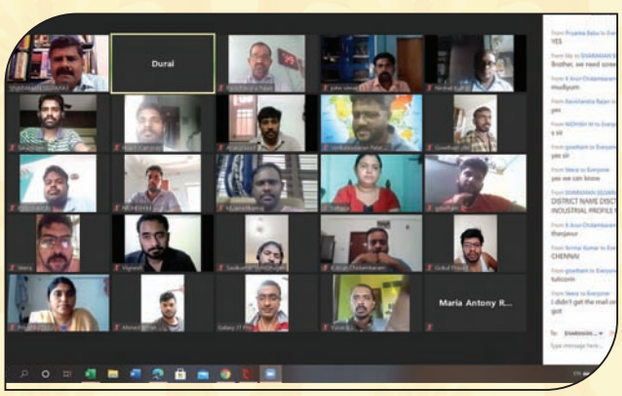
Training Programme on "Cyber Security"



Training Programme on "Digital Marketing"



Training Programme on "Export Training"



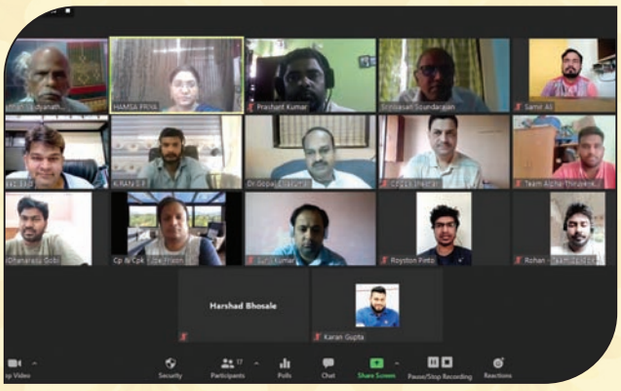
Training Programme on "GBV"

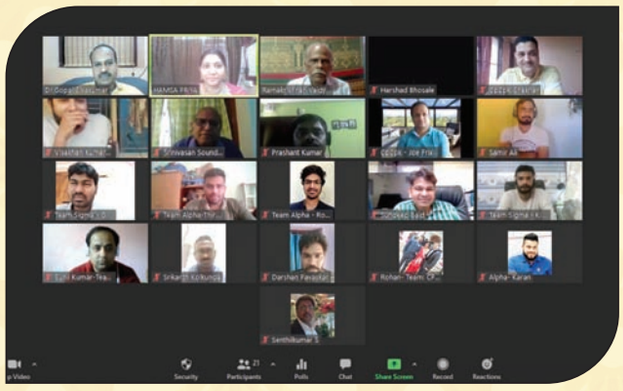
Training Programme on "GST Practitioner"

During Pandemic, CFTI conducted need based and Industry demand based week-end training programmes. These training programmes were conducted by adapting SOPs issued by government from time to time and in virtual form

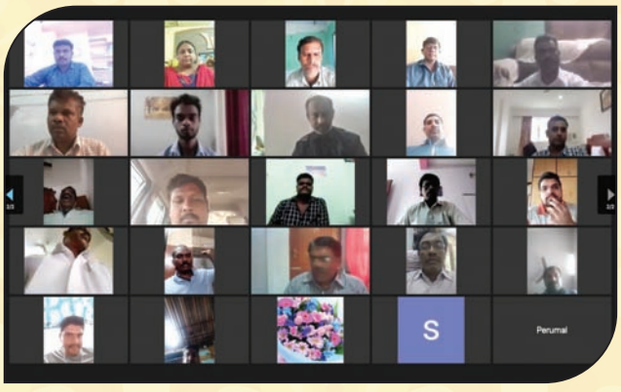
Training Programme on "Lean Six Sigma Black Belt"

Training Programme on "Lean Six Sigma Green Belt"





Training Programme on "TALLY"



Training Programme on "Solar Power Installation"

Training Programme on "Web Development"

Training Programme on "Python Programming"

CALENDAR FOR THE SPECIALIZED TRAINING PROGRAMME FOR THE PERIOD JANUARY - MARCH 2021

S. No.	Courses
	January 2021
1	Export Business Procedures & Documentation (WEEK END BATCH)
2	Applied Data Science with R & Python
3	Capital Market
4	Data Analyst with Visualization Tool
5	Mean Stack Web Developer
6	Export Business Procedures & Documentation (DAILY BATCH)
7	Cargo Clearance & Documentation
8	Lean Six Sigma -Green Belt
9	Lean Six Sigma -Green Belt
10	Lean Six Sigma -Black Belt
11	Solar Power Installation Training
12	Lean Six Sigma - Black Belt
13	Lean Six Sigma - Green Belt-Student batch
14	GST Practitioner
15	Become Finance Accounting Expert Tally ERP 9
16	ISO Training
17	Digital Marketing Expert (With Social Media Optimization)
18	Project Management Professional
19	Become Capital Market Expert
20	Gold Appraisal Training
21	Advance Statistics
22	AWS Cloud Security
23	Zero Coding Website Developer
24	Artificial Intelligence with Deep Learning
25	Finance and Non Finance executive
26	Cyber Security Essentials with GDPR
	February 2021
1	Export Business Procedures & Documentation (WEEK END BATCH)
2	Export Business Procedures & Documentation (DAILY BATCH)
3	Cargo Clearance & Documentation
4	Natural Therapy Training
5	Lean Six Sigma -Green Belt
6	Lean Six Sigma -Green Belt
7	Lean Six Sigma -Black Belt
8	HR-Statutory Compliances
9	Lean Six Sigma -Black Belt
10	Lean Six Sigma -Black Belt
11	Lean Six Sigma -Green Belt-Student batch
12	Lean Six Sigma -Green Belt-Student batch
13	Familiarization, Operation and Maintenance of Rotating Equipment
14	GST Practitioner
15	Become Finance Accounting Expert Tally ERP 9
16	Gold Appraisal Training
17	Digital Marketing Expert (With Social Media Optimization)
18	Project Management Professional
19	Solar Power Installation Training
20	Become Capital Market Expert
21	Real Estate Training
22	Income Tax Practitioner Training
23	Zero Coding Website Developer
24	ISO Training
25	Electric Vehicle Installation training
26	FinTech Professional Training
27	Finance and Non Finance executive
28	Applied Statistics with ML Tools
	March 2021
1	Export Business Procedures & Documentation (WEEK END BATCH)
2	Export Business Procedures & Documentation (DAILY BATCH)
3	Cargo Clearance & Documentation
4	Lean Six Sigma -Green Belt
5	Lean Six Sigma -Green Belt
6	Lean Six Sigma -Green Belt
7	Lean Six Sigma -Black Belt
8	Lean Six Sigma -Black Belt
9	ISO Training
10	Lean Six Sigma -Green Belt-Student batch
11	Lean Six Sigma -Green Belt-Student batch
12	GST Practitioner
13	Become Finance Accounting Expert Tally ERP 9
14	Digital Marketing Expert (With Social Media Optimization)
15	Project Management Professional
16	Zero Coding Website Developer
17	Become Capital Market Expert
18	Gold Appraisal Training
19	HR Certified Assessment and Appraisal
20	Sales Professional
21	Solar Power Installation Training
22	Become A Software Engineering - Full Stack Developer
23	Business Analytics with Excel
24	Electric Vehicle Installation training
25	Finance and Non Finance executive
26	Python PROGRAMMING Certifications

Industries Benefited through Specialized Training Programmes during Oct. - Dec. 2020

S.No	Number of Units benefitted
1	Sai International college of commerce and economics,Bhubaneswar
2	Raya Trading, Chennai
3	MNB fashions, Chennai
4	Tyre Express (u) LTD,Chennai
5	Accenture, Chennai
6	Kesavardini Hair oil,Chennai
7	Get Well, Chennai
8	Vivekananda Evening College, Chennai
10	Madras Diesel Service, Chennai
11	Sri Varshini Doors And Windows,Chennai
12	Unifo Solutions Pvt Ltd,Chennai
13	RBPPL, Chennai
14	Sri Krishna Arts and Science College, Coimbatore
15	VETRI ENGINEERING,Chennai
16	Vignesh Agency, Chennai
17	Vedanth Industries, Chennai
18	Nirmafab, Chennai
19	Sri vinayaga Murugan Sweets and Bakery,Chennai
20	Balu Auto Components Pvt Ltd, Chennai
21	Indian Institute of Information Technology, Uno
22	A.K. ENGINEERS AND CONTRACTORS,Chennai
23	SRI DURGA ASSOCIATES, Kolkata
24	K.SANKAR & CO, Vellore
25	SHOWKATH ASSOCIATES, Vaniyambadi
26	HCL, Chennai
27	Women's Christian College,Chennai
28	Sam Associates,Chennai
29	M. Thomas & Co, Chartered Accountants, Chennai
30	RINA Consulting,Chennai
31	Samsug Tech,Chennai
1	Valuewing Consultancy Services Pvt Ltd, Chennai
2	Croissance, Chennai
3	STANES SCHOOL CBSE
4	Indian Institute of Information Technology, Uno, Himachal Pradesh
5	Trendtex, Chennai
6	TANGEDCO, Chennai
7	Guitcom Consultanting Private Limited, Chennai
8	Swastik Filaments Pvt LTD, Chennai
9	Dr AC Aruldhas Hospital, Chennai
10	Women's Christian College, Chennai
11	Professioal, Chennai
12	Woodpecker Forest Pvt Ltd, Hyderabad
13	R S Hariharan & Associates, Chennai
14	Anna Adarsh College for Women, Chennai
15	Velammal Group of Schools
16	Calicut University, Kizhikode
17	FIS, Chennai
18	Airports authority of India, Chennai
19	Sree Rangan Engineering Industry,Chennai
20	Dgvc chennai
21	Roca bathroom products pvt ltd,Chennai
22	Bar Association of T. N. &Puducherry
23	LAUNDREXX FABRIC CARE INDIA PVT LTD,Chennai
24	RBS, Chennai
25	C-DAC, Chennai
1	META-I Technologies Private Limited
2	Merck Performance Materials Private Ltd
3	Adtechzes(Ad Film Makers)
4	Dr.Dharmambal Govt. Polytechnic College for Women, Chennai
5	PT.Lee Chengalvaraya Naicker Polytechnic & College
6	Birla sunlife Insurance company
7	Aithent Technologies
8	Tech system -chennai
9	BGR Energy Systems
10	Hindu union committee school
11	Polupack Pvt Ltd-Chennai
12	Roca Bathroom Products Pvt Ltd, Chennai
13	Renault Nissan Automotive
14	L&T
15	RBS,Chennai
16	SPI Global
17	FIS,Chennai
18	Rishi Laser Limited
19	LMC Limited
20	SBV Auto Plast
21	Emerson Process Management
22	Dgvc chennai
23	Nordex India Pvt Ltd

बढ़ते आयात से फुटवियर इंडस्ट्री की बढ़ी मुश्किलें

देश का फुटवियर उद्योग एक ओर विदेशों से फैशनेबल जूते-चप्पलों के बढ़ते आयात की मार झेल रहा है, दूसरी ओर विदेशी बाजारों में भारतीय फुटवियर की घटती जा रही मांग भी इसे चोट दे रही है।

औद्योगिक संगठन एसोचैम के एक सर्वे के मुताबिक महिला, पुरुष व बच्चों के जूते-चप्पलों के साथ-साथ स्पोर्ट्स फुटवियर के घरेलू बाजार पर भी आयातित माल का कब्जा तेजी से बढ़ता जा रहा है।

सर्वे के मुताबिक पिछले पांच वर्षों में देश में फुटवियर का आयात 133 फीसदी बढ़ गया है। बाजार के इस विशाल आकार के बावजूद फुटवियर उद्योग में अबतक केवल 500 करोड़ रुपये का प्रत्यक्ष विदेशी निवेश (एफडीआई) हुआ है, जोकि इस उद्योग के कुल आकार का महज 0.65 फीसदी है। ऐसे हालात में घरेलू उत्पादकों के लिए कारोबार मुश्किल होता जा रहा है।

एसोचैम ने अपने अध्ययन में बताया है कि बीते पांच वर्षों में फुटवियर का आयात 132.67 फीसदी बढ़ा है, जिसमें अकेले चीन से होने वाले आयात में 63 फीसदी की बढ़ोतरी देखने को मिली है।

देश के फुटवियर बाजार में इस समय असंगठित क्षेत्र की हिस्सेदारी करीब 70 फीसदी की है और इसमें लगभग 18 लाख लोगों को प्रत्यक्ष तौर पर रोजगार मिला हुआ है।

दूसरी ओर संगठित क्षेत्र के पास 30 फीसदी बाजार हिस्सेदारी है और इसमें करीब 8 लाख लोग कार्यरत हैं। समूचे फुटवियर उद्योग में अप्रत्यक्ष तौर पर 20 लाख से भी अधिक लोगों को रोजगार मिला हुआ है।

सबसे ज्यादा फुटवियर निर्यात ब्रिटेन, जर्मनी, अमेरिका को किया जाता है। दूसरी ओर देश में फुटवियर का सबसे ज्यादा आयात चीन, वियतनाम और इटली से होता है। चीन द्वारा कम कीमतों पर फुटवियर की व्यापक रेंज के आयात से घरेलू फुटवियर उद्योग के सामने तगड़ी चुनौती खड़ी हो रही है।

Rakesh Sharma (JTO)
CFTI, Chennai

Skill Training Programmes

CFTI, Chennai is conducting CLRI sponsored skill training programmes on Leather & Footwear sector NSQF Courses at Kalarapatti, Tamilnadu in the jobrole of Stitcher Footwear after Prescreening of candidates



Expert trainers from CFTI Chennai on the job of training, fresh candidates in systematic and approach of stitching process & skill of controlling different stitching machines on various different materias in high quality on fast mode to the candidates sponsored by CSIR-CLRI



Assessors from CSIR-CLRI conducted third party assessment for the SC/ST candidates trained under Skill Training Programmes of CFTI Chennai


CFTI Chennai conducts skill training on NSQF approved courses in Stitcher Goods and Garments, Cutter Footwear, Cutter Goods and Garments, Stitcher Footwear, Sample Maker, Cutter Footwear to enhance the production works after COVID period sponsored by CSIR-CLRI



Skill Training Programmes

Skill Training Programmes are being conducted by CFTI Chennai for the unemployed rural SC/ST in the following NSQF aligned jobroles funded by the O/o DC (MSME)

1. Stitching Operator - Level 4 (LSS/Q2501) 2. Stitcher - Level 4 (LSS / Q5501)

Training Programme Sponsored by TAMCO

Team CFTI, Chennai is in the process of screening and counselling candidates for TAMCO Training Programme at Ambur to match their jobroles interest and industry preference jobroles based on fitness and other capabilities in the presence of industry representative.






CFTI Chennai Coordinators distribute the certificates to the successful candidates forSecondary Upgradation Training conducted by CFTI Chennai at M/s. TMAR Shoes, M/s. BBK Leathers, M/s. Royale Exports, M/s. Skywalk Shoe Industries, Ranipet

CERTIFICATE DISTRIBUTION - CFTI Team visited few of the factories in Ranipet M/s. TMAR Shoes, Certificates being distributed to all the Secondary Upgradation sucessful candidates in the IFLADP scheme sponsored by DPITT, Ministry of Commerce & Industry, Govt. of India

Dr. Nilofer Kafeel, Hon'ble Minister for Labour, Employment and Training visited the proposed site of Extension Centre of CFTI, Chennai at Vaniyambadi, Tirupathur District to improve the construction works, Shri. Sivan Arul, IAS, Collector of Tirupathur District, Shri. Veeraraghava Rao, IAS, MD, TNSDC and PWD officials were also present

Shri. Murali, Director, CFTI held a meeting with, District Collector Shri. Sivan Arul and District Superitendent of Police Shri. Vijayakumar to seek their assistance in completing the project of EC, at Vaniyambadi, Tirupathur District

Thirupathur Collector Shri. Sivan Arul, IAS visited our Vaniyambadi Extension Centre

1st phase of 5,000 square feet is being renovated by the Govt. Tamilnadu to handover the land and ready built to CFTI, Chennai for establishment of Extension Centre for Leather Goods and Footwear to help MSMEs and conduct job oriented courses

Innovative Designs

Design developed by
Shri. Zubair
Faculty, CFTI, Chennai

Expert Designers Shri. Rakesh Sharma, JTO, Shri. Girijan & Shri. Zubair along with Shri. K. Murali, Director, CFTI, Chennai on successful delivery of Design Development Job Work on GDM software with Process / Spec / Cost sheets under the mentorship of Dr. Goutham Gopalakrishnan

REASONS OF BONDING FAILURE AND PREVENTION METHODS IN FOOTWEAR

1. Poor Selection of Adhesion Materials

In footwear production currently meet lot of quality issues in each sequence, particularly sole bonding is important property for finished products. Customer like always better finished quality products so each operation should be properly focused in industry. Currently footwear industry used lot of water based and solvent based adhesives, adhesive selection is key point for quality, quality branded adhesives and expiry data and adhesion mechanical and force test certificate is must for all branded, after that A01 certification and MSDS data sheet should be attached in all packing adhesives. In case if the above standard is not properly focused, in production time we meet lot of bonding failure, so all finished product and manpower and investments also may be meet lot of problems. Commonly normal footwear sectors they are not give special attention to material selection.

2. Improper Skiving Process

Skiving operator is a critical operation in footwear manufacturing, skiving is done along the edges of the material, so that it can fold and pasted, lasted with easily and accuracy. This skiving operation greatly influences the appearances of the finished shoes. This operation also one of the important role in adhesion bonding strength. A highly skilled operator is required to do skiving as the skill required do skive is high and the same time the opportunity to injure one while skiving is also high risk. This operator must be capable to operate both upper and lower skiving machines and also skilled to perform skiving with accuracy according to the standard specification (Control of the bonding process in a medium technology industry, 1985). This skiver must also capable to perform the maintenance of the grinder and the skiving disk knife. Skiving is should be proper allowances in lasting margin, side bottom bonding failure be thoroughly controlled. Bottom lasting margin skiving minimum 8-10 MM is standard for normal types of footwear's. Skiving area should be fixed Skiving model SOP (standard operation system) and skiving guide. This operation is not focused in footwear production it also leading to adhesive bonding failure problems.

3. Poor Hand Lasting Problem

In footwear production very important operation is lasting, lasting allowances, seaming temperature 90-100 Degree for 8-10 seconds standard procedure are not followed in this area lasted shoes meet bonding failures problems, Toe part and heel part also crooked and overall lasting margin is not uneven after that process outsole marking and buffing also affected. Finally thus the upper meet uneven pasting and attaching .Due to this poor operation is leading to final product finishing appearance. So footwear production inline should be fixed SOP details for every sequence. Hand lasting operator having skill and well knowledge about lasting margins and Assembly procedures.

4. Uneven Marking and Buffing in Assembly Area

This process also very important for bonding strength, outsole making area

should be thoroughly monitored such as SOP details, marking machine pressure standard, Buffing ARO wheel emery paper color managements systems is arranged in this area. Marking is proper allowances both sides after that buffing also easy, without proper marking and buffing totally thus the whole footwear production meet lot up normal quality issues and poor bonding strength. Buffing Area buffing gun Color SOP systems is must, every one hour buffing grid paper should changed. The above techniques are followed in this sequences bonding failure, poor margin attaching, over attaching also easily controlled in footwear Assembly lines. Some stitchdown and welded construction shoes scouring process also one of the biggest problems in footwear industry, in this area Standard operation systems and marking also very important operation. Adhesion bonding is based on the surface roughness .so overall margin should be properly buffed after that adhesive is attached uniformly in overall margins. So bonding failure will control without any difficulties (Brue Barry and Peter Milburn, 2012). Lasted upper buffing is uneven attaching pressure point is more so adhesive is not attached properly. This up normal quality operation is leads to bonding failure problems. Out sole buffing is also another important operation in Assembly lines. Outsole inside attaching margin area 12-15 MM thoroughly buffed with wire buffing machines, incase buffing is uneven attaching also not uniform in overall area. Buffing is properly followed in this part; adhesives are easily penetrated into the rubber pores after oven heating, Outsole attaching is property attached. Sole bonding is not proper standard total production also loss for footwear industry .Customer first see the sold bond test report, after that they will confirm the shipments. All footwear industry if having own sole bond test instruments, and regularly they will check bonding strength property. These articles refer the above quality parameters in the assembly lines for prevent the adhesion sold bond failures.

6. Adhesives Uneven Applying and Oven Temperature Problems

Adhesive applying area very important sequences in footwear Assembly process. This area color brush quality management system is must and SOP systems 100% should be followed in this area. Every one hour brush changed, nowadays water based cement and primer is used for many footwear industries. Primer and cement is not properly applied overall lasted uppers margins defiantly it will lead to bonding failure problems. Lasting attaching margins knowledge is very must for adhesives applying workers. Oven temperature control and standard curing time is thoroughly followed in Assembly section. Based on the adhesives property, this system is 100% followed. Poor curing time is not suitable for proper outsole attaching, and final adhesive test report also totally failures. Every one hour oven temperature is checked by temperature gun and record is maintained properly in this part, it will control the up normal attaching issues in Assembly lines.

7. Attaching and Sole Pressing Problems

Bottom attaching is major operation in footwear making process, attaching operator having well skilled and well knowledge about attaching margins and bonding property This section work area

properly designed and SOP systems is followed. Most of bonding failure reason poor attaching, So final product lost their export trade due to this unskilled operation. After attaching thus the shoes are treated to sole pressing machines operation, in this area pressing pressure and Time is very important for footwear manufacturing (Supply chain and sustainability solutions for the footwear industry, 2013). Every day two times (morning and afternoon) pressing record is taken by supervisor and got sign from quality engineer. Normally out sole pressing time minimum 10mins 35-40 kg load for water based adhesives attached Rubber soles, Due to this pressing operation compresses the bottom, sides, and heel of the sole and upper together. To set the bond, the lasted upper with the bottom attached is often placed in a chiller unit. Cooling chiller time is very important for this assembly section, normally rubber sole - cemented adhesives upper cooling time 12-15 mins, Once out of the chiller unit the shoe is de-lasted by hand or by machine. As per the this review above quality implementation systems is followed in footwear manufacturing process, adhesives bonding failure problems is easily controlled.

References:

Durairaj Dhanapal*, Addisu Ferede Tesema, and Gebrehiwot Asfaha, Practical Analysis Of Bonding Failure Reasons In Footwear Production International Journal Of Current Research Vol. 9, Issue, 06, Pp.53394-53399, June, 2017, International Journal Of Current Research.

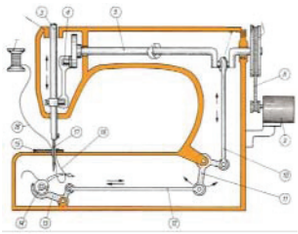
By
T. GNANAPAZHANI
Faculty, CFTI, Chennai

MACHINE MAINT. VIZ MODERN EQUIPMENT INSTALLED AT MSME-CFTI-CHENNAI

In continuation of modernization of MSME-CFTI-Chenai Upper Closing Room have recently launched latest trend of Leather Goods Manufacturing Cell equipped with all import (W. Germany) modern machinery sections. Posbed, Flatbed, Cylinderbed, heavy duty sewing machines, to facilitate Leather Goods Training Progrmme as well as to provide common facility services to the leather goods making industry.

Basic principle and Applied mechanism with common sewing machines

- Two threads one needle up and down stitch formed. However we look at sewing machine, verticla and horizontal bars are interconnected with time set of cams and gears mounted at junctions. Synchronously work together to form stitches with external adjustments provided for operator.

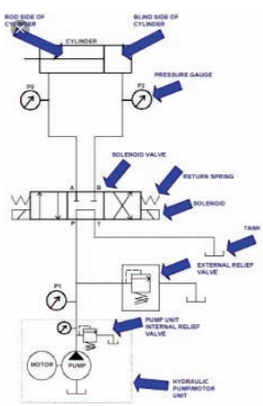


Full shoe unit at MSME-CFTI-Chennai

The students of CFTI advanced with state of art machinery at full shoe making department to meet modern footwear industry. Such as

a. Electro hydraulic upper fore part lasting machine
b. Hydro-Pneumatic - Seat lasting machine.
c. Pneumatic - Side lasting machine
d. Hydraulic - Sole attaching machine.

Basic principle Applied in Hydraulic System/Circuit



The compressed Hydraulic Oil equally distributed to all the directions in the circuit controlled by Direction Solenoid Valves enables to activate required movements attached area of functionary components / operations.

MATERIAL OPTIMISATION AND COMPUTATION OF FOOTWEAR CONSUMPTION NORMS

An article by **Design Team,** CFTI, Chennai

INTRODUCTION

Leather is the single most important component of a shoe and every attempt must be made to optimize its usage by minimizing its wastage. Rule of thumb procedures to arbitrarily fix the norms by adding an approximate percentage of waste over and above the traced out area of the upper patterns can lead to a lot of inaccuracies in arriving at the norms for cutting and consequently affect the profitability of a company. It is therefore imperative that an accurate method of computing the consumption norms be adopted and the methodology followed in developing the algorithm for the software is based on precisely such a scientific premise.

METHODOLOGY

Preparation of Upper Leather Allowance

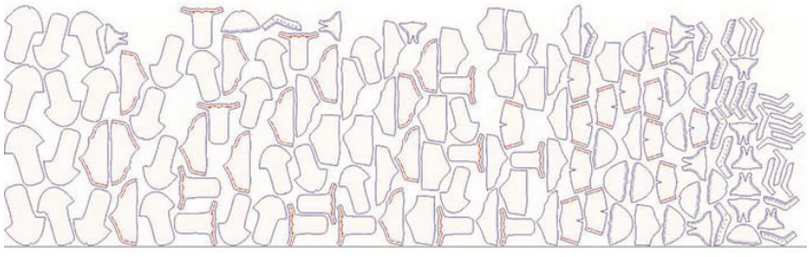
The objective is to take a set of upper patterns and to accurately predict the Area of Leather that will be used when those patterns are used to cut up Leather for an order.

It is important to get an accurate figure because:

1. The upper is the largest single item of cost in the total cost of the Shoe and accurate figures are needed to prepare the initial costing which provide the sales department with the information on which to base a decision about the price.
2. The Profitability of the company depends on accurate costing
3. The Area allowance is used to demonstrate to the Clicker his target when cutting up the Leather
4. The figure may be used as a basis for incentive payment or Leather Saving Bonus and the accuracy must therefore be trusted by the Clicker.

A Summary of the procedure is as follows:

1. Layout the patterns as described in 'Procedure for Pattern Scaling'. This figure included the 'first waste' or unavoidable interlocking waste.



2. Using the 'Second Waste Table' add the percentage that describes the relationship between the 'average pattern size' and 'skin size.'
3. Add an allowance for the 'type or shape of leather.'
4. Add an allowance for the 'Quality' or 'cuttability' of the leather.
5. Adjust the 'Clickers Area allowance' for any inaccuracy in the measurement of the skin. Tanner's measures can be inaccurate.
6. Adjust the 'scale figure' for the 'average shoe size of the order.'

Each of the above 6 parts of the procedure are explained in detail:

1. LAYING OUT THE PATTERNS

This is described and illustrated

a. Mark the patterns with two points and join them with a line

b. Use squared paper or graph paper for the layout to help in keeping the patterns parallel.

c. Use a strict and repeatable layout

d. Keep patterns parallel. The line on the patterns helps to do this.

e. Don't turn the patterns over

f. If necessary for your layout system, only turn the patterns round 1800 but still keep them parallel to the other patterns in the layout.

The layout is artificial and is not used as an example to the clickers to show how they should cut. The only use of the layout is to provide the area of the patterns including 'first waste' and the method is now well proven in factories all over the world.

A suitable form to record all the figures is set out below (Table 1)and it contains a worked example to help you follow the procedure.

UPPER LEATHER AREA ALLOWANCES		
Style No.		
Sl. No.	Parameter	Area (sq. Ft.)
A	SCALE AREA PER PAIR including 1st WASTE	1.5012
B	NUMBER OF PARTS PER SHOE ODD	5
C	AVERAGE AREA OF PARTS PER PAIR (A/B)	0.3016
D	AVERAGE SIZE OF SKIN	15
E	SECOND WASTAGE %	22.5
F	BASIC ALLOWANCE (A+E)	1.847
G	COEFFICIENT FOR TYPE OF LEATHER (1.02*F-F)	0.037
H	COEFFICIENT FOR CUTTABILITY (1.11*F-F)	0.203
I	COEFFICIENT FOR AREA ERROR	0.013
J	AVERAGE ORDER SIZE	0.094
K	TOTAL ADJUSTMENTS (G+H+I+J)	0.347
L	TOTAL ALLOWANCES (CLICKERS STANDARD FEETAGE) (F+K)	2.19

Table 1: Upper Leather Area Allowances and the Clickers Standard Feetage

PROCEDURE FOR SCALING

Select two prominent guide points on the edge of the pattern and place the pattern on the paper in the middle of the board so that the points selected are in line with the working edge. Draw round the pattern.

Fit the pattern adjacent to the outline just drawn so as to give the minimum amount of interlocking waste keeping it either parallel or rotated through 1800. Repeat until the original outline (shaded in the illustrations) is surrounded by patterns. Draw round all patterns accurately. (It will usually be found that about 5 or 6 pattern outlines are sufficient.

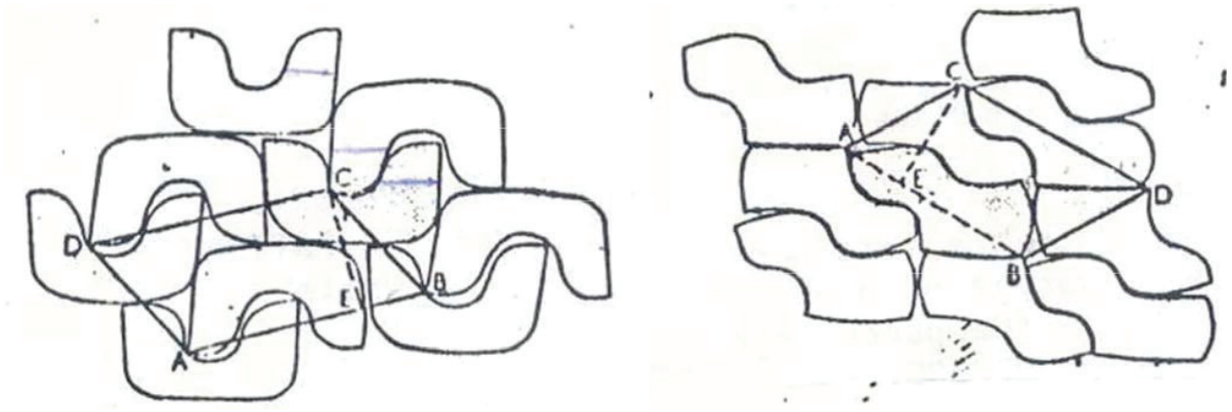


Figure 1 and Figure 2: Interlocking of pattern for parallelogram area

Select any definite point 'A" (Figure 1 and Figure 2)and connect by a straight line with exactly the same position 'B" on the next pattern facing the same way. Draw a similar parallel line CD on the next two patterns (either above or below) and join the ends of the two lines to form a parallelogram. (NB: This parallelogram must contain the area of just two patterns plus locking waste; note how the overlaps match each other. Where the complete pattern includes four identical pieces (eg. Quarters) these must be recorded twice.)

Find the Area of this parallelogram by multiplying the base 'AB' by the perpendicular height 'CE.Repeat the complete process with an alternative system of laying out to ensure that the minimum amount of interlocking waste has in fact been obtained.

A suitable form on which to record the results of the scaling is shown in Table 2:

(Please Note that the Table illustrates figures for the Parallelogram Area for Upper Leather. A similar exercise can be carried out for Lining material also and a similar Table can be generated)

UPPER MATERIAL PATTERN SCALE				
UPPER				
Component	**Base**	**Height**	**Area**	**No. of pieces**
Toe Cap	0.82	0.26	0.2132	2
Vamp	0.93	0.48	0.4464	2
Outside Quarter	0.82	0.45	0.3690	2
Inside Quarter	0.82	0.46	0.3772	
Tongue	0.32	0.32	0.1024	2
		TOTAL	**1.5082**	**10**

Table 2: Parallelogram Area for Upper Leather

2. ADDING THE SECOND WASTE PERCENTAGE

The pattern scaling is now complete and you should have a figure which gives THE SCALE AREA OF ONE PAIR OF UPPERS EXPRESSED IN SQUARE FEET.

Now follow this procedure to add the second waste percentage.

a. Count the number of patterns in ONE SHOE

b. Divide the SCALE AREA OF ONE PAIR OF UPPERS by the NUMBER OF PATTERNS IN ONE SHOE. This gives you the AVERAGE AREA PER PATTERN IN A PAIR. It is this figure which is used with the Second Waste Percentage Table.

Example: If scale area was 1.5082 sq.ft. per pair and number of patterns for one shoe is 5 then average area per pattern in a pair would be 1.5082/5 which is 0.3016 sq.ft.

c. Select the 'Average Size of the Skins' to be used for the shoe that has been measured.

d. 'Average Scale Area' should then be found from the left hand column of the 'SECOND WASTE PERCENTAGE TABLE' (Table 3) and 'Average Skin Size' along the table top. Where the two intersect is the % that is to be added to the SCALE AREA OF ONE PAIR OF UPPERS.

Avg. Scale of pattern (sq.ft.)	3'	4'	5'	6'	7'	8'	10'	12'	15'	20'	25'	30'
0.050	22.2	21.7	21.5	21.3	21.2	21.1	21.0	20.9	20.8	20.7	20.7	20.7
0.075	23.0	22.4	22.0	21.8	21.6	21.4	21.2	21.1	21.0	20.9	20.8	20.7
0.100	23.8	23.0	22.5	22.3	21.9	21.7	21.3	21.3	21.2	21.0	20.9	20.8
0.125	24.7	23.6	23.0	22.6	22.3	22.1	21.7	21.5	21.3	21.1	21.0	20.9
0.150	25.5	24.2	23.5	23.0	22.7	22.4	22.0	21.7	21.5	21.3	21.1	21.0
0.175	26.3	24.9	24.0	23.4	23.0	22.7	22.3	22.0	21.7	21.4	21.2	21.1
0.200	27.2	25.5	24.5	23.8	23.4	23.0	22.5	22.2	21.9	21.5	21.3	21.2
0.250	28.8	26.7	25.5	24.7	24.1	23.6	23.0	22.6	22.2	21.8	21.5	21.3
0.300	30.5	28.0	26.5	23.5	24.8	24.2	23.5	23.0	22.5	22.0	21.7	21.5
0.350	32.2	29.3	27.5	26.3	25.5	24.9	24.0	23.4	22.8	22.2	21.9	21.7
0.400	33.8	30.5	28.5	27.2	26.2	25.5	24.5	23.9	23.2	22.5	22.1	21.9
0.450	35.5	31.7	23.5	28.0	26.9	26.1	25.0	24.3	3.5	22.7	22.3	22.0
0.500	37.2	33.0	30.5	23.8	27.6	26.8	25.5	24.7	23.8	23.0	22.5	22.2
0.550	38.8	34.2	31.5	29.7	28.4	27.5	26.0	25.1	24.2	23.2	22.7	22.3
0.600	42.0	35.5	32.5	30.5	29.1	28.0	26.5	25.5	24.5	23.5	22.9	22.5
0.650	45.3	36.7	33.5	31.3	29.8	28.6	27.0	25.9	24.8	23.7	23.1	22.7
0.700	48.7	38.0	34.5	32.2	30.5	29.2	27.5	26.3	25.2	24.0	23.3	22.8
0.750	52.0	39.5	35.5	33.0	31.2	29.9	28.0	26.7	25.5	24.2	23.5	23.0
0.800	55.3	42.0	36.5	33.8	31.9	30.5	28.5	27.2	25.8	24.5	23.7	23.2
0.850		44.5	37.5	34.7	32.6	31.1	29.0	27.5	26.2	24.7	23.9	23.3
0.900		47.0	38.5	35.5	33.4	31.7	29.5	28.0	26.5	25.0	24.1	23.5
0.950		49.5	40.0	36.3	34.1	32.4	30.0	28.4	26.8	25.2	24.3	23.7
1.000		52.0	42.0	37.2	34.8	33.0	30.5	28.8	27.2	25.5	24.5	23.8
1.250			52.0	46.0	38.4	35.6	33.0	30.9	28.3	26.7	25.5	24.7
1.500				52.0	44.9	39.5	35.5	33.0	30.5	28.0	26.5	25.5
2.000						52.0	42.0	37.2	33.8	30.5	28.5	27.2

Table 3: Second Wastage Percentage Table

For example: Take the Average Area we obtained in the example set out in (b.) above. i.e 0.3016. Assume that the type of leather you have decided to use averages about 15 sq.ft. Therefore, 22.5% needs to be added to the SCALE AREA OF THE PATTERN. Scale Area is 1.508 sq.ft. - multiply by 22.5 and divide by 100 (to turn it into a percentage) and the answer is 0.339. Add this to 1.508 and the answer is 1.847.

This figure is the SCALE AREA + SECOND WASTE ALLOWANCE.

If the figures you want to use don't exactly match the figures on the chart, you need to 'interpolate' i.e making a sensible estimate between the two percentages on the chart which are nearest on either side of your average area figure.

3. ADDING THE ALLOWANCE FOR THE SHAPE AND TYPE OF THE SKIN

Each type of skin or side is different in shape and type and colours are often more difficult than Black. This allowance seeks to provide a mathematical way of expressing the fact that different shapes and colours will produce varying results. This chart provides coefficients as shown in Table 4 below.

Type of Upper Leather	Black	Brown	Colours
Patent and Cellulose Leather	1.00	1.00	1.00
Calf	1.01	1.02	1.03
Veal	1.01	1.02	1.03
Printed and Grain Sides	1.00	1.00	1.00
Smooth Sides	1.01	1.02	1.03
Grained Goat	1.01	1.01	1.01
Glace Kid	1.03	1.04	1.04
Suede Calf	1.05	1.05	1.05
Suede Kid	1.05	1.05	1.05
Suede Yeovil	1.10	1.10	1.10
Suede Split	1.05	1.05	1.05
Rounded Butt and Square Shoulders	0.95	0.95	-
LINING Leathers			
E.I. Calf	1.00	1.00	1.00
E.I. Kips	1.01	1.01	1.01
Goat	1.02	1.02	1.02
Sheep	1.05	1.05	1.05

Table 4: Table of Leather Coefficients

PROCEDURE

a. Select the type of leather and then look up the coefficient on the chart.

b. Multiply the SCALE FIGURE + 2nd WASTE ALLOWANCE by the coefficient.

Subtract the original scale figure from the product of the multiplication to give the ALLOWANCE FOR SHAPE AND TYPE OF SKIN.

c. This has the effect of allowing for the different leather types and is the first of the 4 variables.

For example: Take the figure of 1.847 which was the result of the calculations in section 2. Let us assume that the leather type is 'Brown Smooth Sides.' The coefficient for this is 1.02.

Multiply 1.847 by 1.02 = 1.884

1.884-1.847 = 0.037. This figure can then be entered in the form suggested earlier (Table 1).

4. CUTTABILITY COEFFICIENT

This is a way of allowing for the areas of uncuttable leather. Marks, scars, barbed wire marks, ticks, brand marks, flay cuts etc.

The unusable area on one or two sample skins can be measured with a transparent grid marked off in square inches. By measuring a proportion of skins delivered, the skins can be graded and the 'Table of Leather Grades' can then be used.

Grade	Average Waste	Coefficient
0	-	1.00
1	5%	1.05
2	10%	1.11
3	15%	1.18
4	20%	1.25

Table 5: Table of Leather Grades

PROCEDURE

a. Assess the delivery of leather and put the skins into quality grades

b. Read off the coefficient opposite the Grade of Leather that is to be used.

c. Multiply the figure obtained in Step 3 above by the coefficient

d. Subtract the Scale Area + 2nd Waste, known as BASIC ALLOWANCE, from the product of this multiplication

This is now the "CUTTABILITY ALLOWANCE" and can be entered into the form given earlier.

For Example: Take the 1.847 BASIC ALLOWANCE

Let us assume that the leather has been assessed as being Grade 2, the coefficient for this is 1.11

1.847 x 1.11 = 2.050 - 1.847 = 0.203

5. ADDING THE AREA ALLOWANCE

Sometimes there is a difference between the Tanners measurement and the actual area. There is also some inaccuracy caused by the fact that skins are only measured to the nearest quarter of a square foot. For instance a skin marked 8/1 os 8.25 sq.ft.; 8/2 is 8.5 sq. ft. and 8/3 is 8.75 sq. ft.

Any error tends to be 'under' rather than 'over'. Therefore when a check measure is taken using scanning equipment and taken to the nearest tenth of a square foot, the result can be expressed as follows:

100 - ((Tanners Area - Actual Area)/Tanners Area x 100) x Area coefficient

Example: 100 -((242-240/242)x100)x99.17

This figure is the AREA COEFFICIENT and is in fact the percentage error.

The Scale Allowance can thus be adjusted by multiplying the SCALE ALLOWANCE by 100 and dividing by the AREA COEFFICIENT. The BASIC ALLOWANCE is then subtracted from the result of the calculations and can be entered in the form given earlier.

For Example: Take the BASIC ALLOWANCE of 1.847 from Section 2. Assume that on careful area tests 242 sq. ft. of skins actually meaures 240 sq.ft. The coefficient is therefore 99.17x1.847x100/99.17=1.86-1.847=0.013. This figure can now be inserted into the form

ADJUSTING FOR AVERAGE SIZE OF ORDER

Clearly the amount of leather used will vary with the size of shoe being cut. If multiple fittings are made this will also make a difference. Therefore each order needs to be adjusted for the average size and fitting and the charts that follow provide coefficients for the purpose.

PROCEDURE

a. Work out the Average Size. Multiply the shoe size by the quantity and add these together; = TOTAL A

Take total pairs in the order = TOTAL B

Divide A by B = Average Size

For Example:

Sizes	7	8	9	10
Pairs	12	12	36	30

Total = 90 pairs

Size x Pairs = 84+96+324+300 = 804

804/90 = 8.93 i.e nearest size = 9

b. Read off the coefficient from the Tables that follow and multiply the BASIC ALLOWANCE obtained in Section 5 by this coefficient, then take away the basic allowance from the result of this multiplication and the result is the SIZE ALLOWANCE which can then be put into the form given earlier.

c. The 4 allowances can now be added together and added to the BASIC ALLOWANCE according to this size, type, cuttability and average size.

For example: 1.847 from Section 2 above with an Average Size of Mens 9 would give a coefficient in the middle fitting of 1.051

1.847x1.051=1.941-1.847=0.094

This is then added to the other allowances and added to the Basic Allowance to produce the Final Allowance per pairs which would be used as the Target for the Clicker. All that remains is to multiply this figure by the number of pairs in the order to give the CLICKERS ALLOWANCE for that particular order.

	Children's		Women's			Men's		
Size	0-10	7-1	Narrow	Medium	Wide	Narrow	Medium	Wide
0	0.646							
1	0.692							
2	0.746							
3	0.804							
4	0.866							
5	0.931							
6	1.000	0.672						
7	1.012	0.721						
7.5	1.110	0.741						
8	1.148	0.771						
8.5	1.187	0.798						
9	1.227	0.825						
9.5	1.269	0.853						
10	1.311	0.881						

10.5		0.910						
11		0.939						
11.5		0.970						
12		1.000						
12.5		1.031						
13		1.063						
13.5		1.096						
1		1.129						
1.5		1.162						
2				0.893				
2.5				0.919				
3			0.928	0.946	0.964		0.766	
3.5			0.954	0.973	0.992		0.788	
4			0.981	1.000	1.019	0.795	0.810	0.825
4.5			1.009	1.024	1.047	0.817	0.832	0.848
5			1.037	1.056	1.075	0.840	0.855	0.871
5.5			1.066	1.085	1.104	0.863	0.878	0.894
6			1.094	1.114	1.134	0.886	0.902	0.918
6.5			1.124	1.144	1.164	0.910	0.926	0.942
7			1.153	1.174	1.195	0.934	0.950	0.967
7.5			1.183	1.204	1.225	0.958	0.975	0.992
8			1.214	1.235	1.256	0.983	1.000	1.017
8.5				1.267		1.008	1.025	1.043
9				1.298		1.034	1.051	1.069
9.5						1.060	1.077	1.095
10						1.086	1.104	1.122
10.5						1.113	1.131	1.149
11						1.167	1.158	1.176
11.5						1.195	1.186	1.204
12						1.223	1.214	1.233
12.5						1.251	1.242	1.261
13							1.270	1.290
13.5							1.299	
14							1.329	

Table 6: Table of Coefficients for Sizes and Fittings

Size	Women's	Men's	Children's
27			0.894
28			0.929
29			0.965
30			1.000
31			1.035
32			1.070
33	0.913		1.106
34	0.942		1.141
35	0.970		
36	1.000		
37	1.029		
38	1.057	0.901	
39	1.087	0.926	
40	1.116	0.951	
41	1.146	0.975	
42	1.174	1.000	
43	1.203	1.023	
44		1.050	
45		1.074	
46		1.099	
47		1.124	
48		1.148	

Table 7: Table of Coefficients to allow for Variable Average Sizes

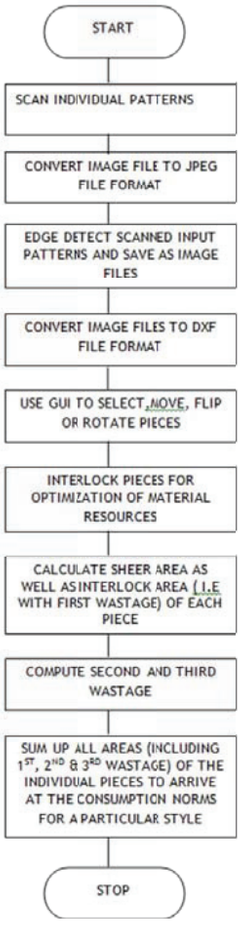
INNOEST Software- Innovative Footwear Norms Estimator

The INNOEST - Innovative Footwear Norms Estimator is a software Program for computing the "**Leather Consumption Norms" for ANY STYLE of FOOTWEAR.**

Towards minimizing material utilization and estimating the product costing, it is necessary to derive the pattern area as well as the unavoidable waste that results from the interlocking of the patterns. The Innovative Footwear Norms Estimator is a standalone software to establish a standard system for measuring shoe patterns and upper materials to produce computerized cutting allowances and costing. It is fast and accurate and allows users to interactively monitor and control material utilization.

Developed on a JAVA platform, this Windows based software is unique by way of its standalone capability. Patterns can directly be scanned or imported in as a dxf file independent of any CAD system. Apart from calculating the parallelogram area (first wastage), the program is also able to compute the Clicker's feetage incorporating a lot of essential parameters such as leather coefficients, leather grades, coefficients for size & fit, adjustments for average size of order etc., thus arriving at an accurate feetage value.

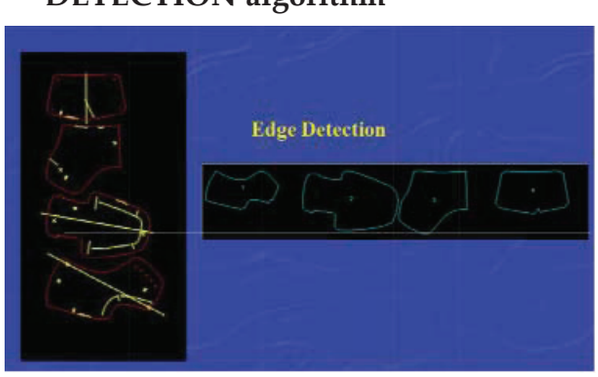
LOGIC FLOW DIAGRAM OF THE SOFTWARE



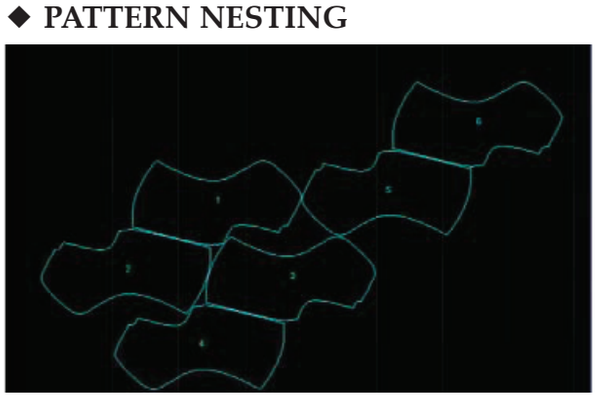
This software finds readymade application in any footwear manufacturing unit for use in deciding cutting norms, estimating clicker efficiency, accurate costing and optimization in material usage.

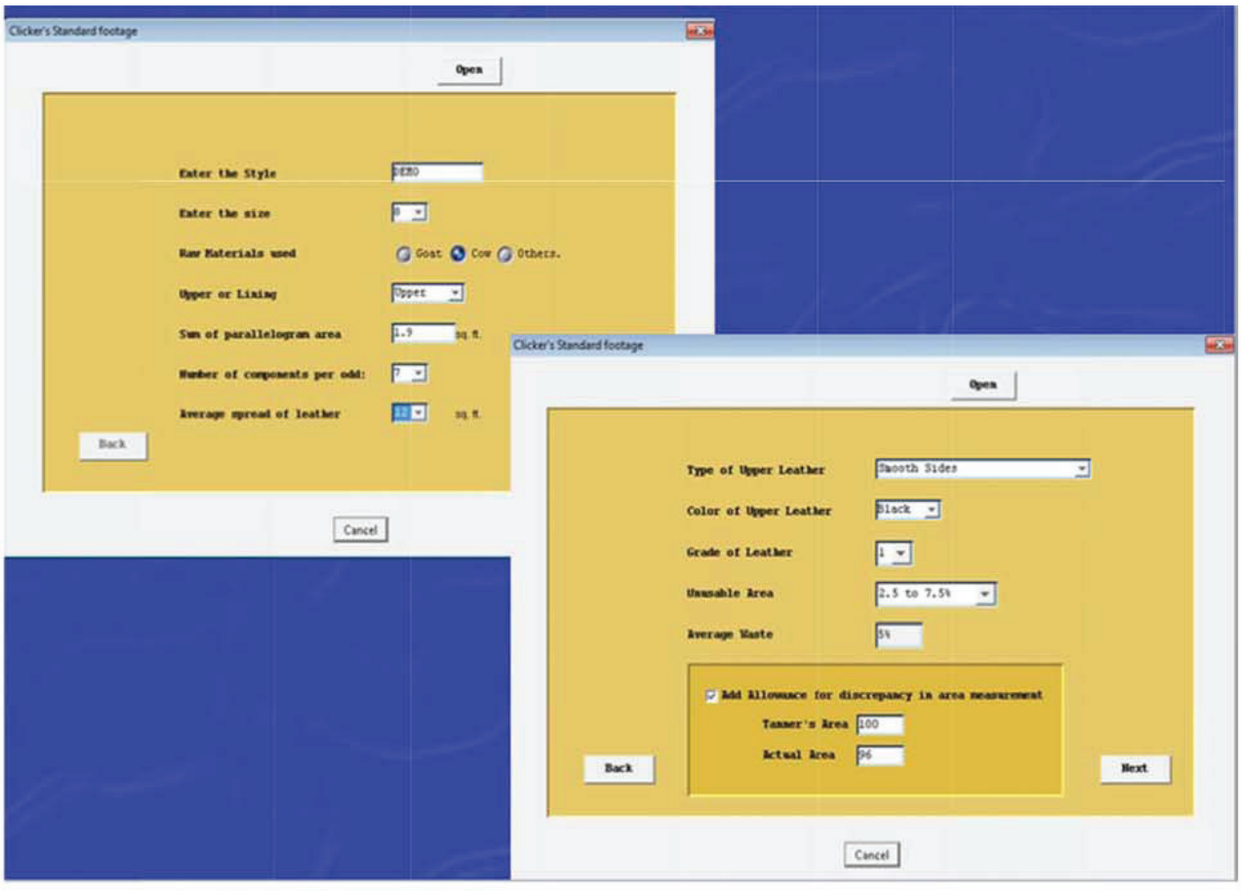
PROCEDURE:

- **INPUT DXF FILE and Get the Pattern Boundaries through an EDGE DETECTION algorithm**



- **PATTERN NESTING**





➢ **FINAL CONSUMPTION NORM VALUE (also called as CLICKER's STANDARD FEETAGE)**

(Example for illustrative purpose)

Style DEMO **Size** 8

Material Cow **Type/Spec** Upper/ Smooth Sides **Colour** Black

Title	Values
Scale Area per Pair	1.9 SQ. FT.
Number of parts per Shoe	7
Average Area of Pattern per Pair	0.271 SQ. FT.
Average Size of skin	12 SQ. FT.
Second Waste	22.77143 %
Basic Allowance	2.333 SQ. FT.
Allowance For Shape and Type	0.023 SQ. FT.
Grade of Leather	1
Cuttability Allowance	0.117 SQ. FT.
AREA MEASUREMENT ALLOWANCE	0.097 SQ. FT.
Allowance for Average Size of order	0 SQ. FT.
SIZE COEFFICIENT	0 SQ. FT.
Clicker's standard Feetage (per pair)	2.57 SQ. FT.

Back Fi...

Common Facility Services

Automated Sewing Machine - Brother

DielessCutting Machine - Zund

Cutting Machine - COMELZ

3D Foot Scanning & Customized Foot Insoles

Common Facility Services

Laser Cutting and Engraving Machine

Digitizing Plotter and Pattern Creating

Vacuum Shell

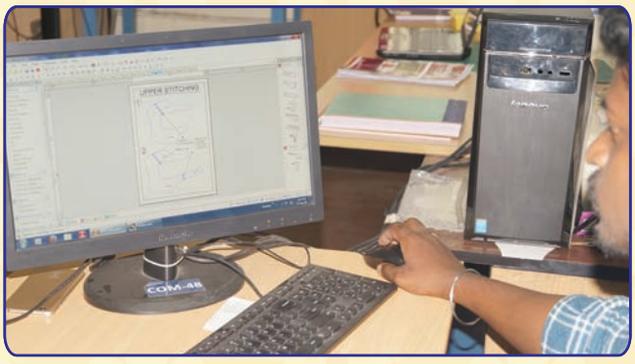
PU - Pouring Machine (PUMA)

Full Shoe Making - Job Works

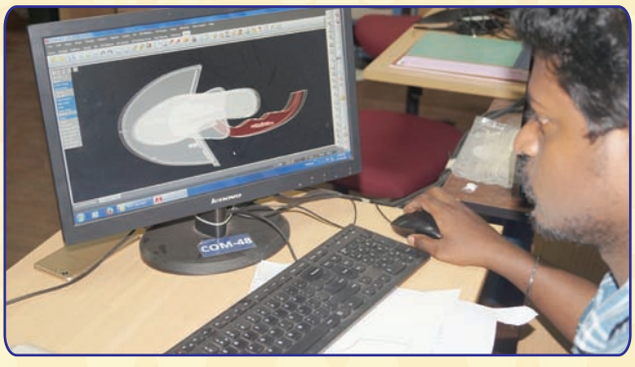
PPE Kits

Common Facility Services

Graphical Documentation Manager (GDM)



Shoe Design & Development



Upper Making - Job Works

Companies benefited through Common Facility Services of CFTI, Chennai

PU Pouring
- First Feet & Co., Puducherry
- Evergreen Associates, Vellore
- M.V. Diabetes Foot Care, Chennai
- Rathna Leathers (P) Ltd., Ranipet
- Noble International, Chennai
- Maglin Enterprises, Chennai
- KYRA Shoe Components, Vellore

Dieless
- One Huge Step, Chennai
- Bharathya International Ltd.,
- Briller Shoes, Chennai
- Nova International, Chennai
- Osuri Footwear Components (P) Ltd., Chennai
- Raadhika Shoe Crafts (P) Ltd., Chennai
- Jaeger Products (P) Ltd., Chennai
- Padmash Leathers & Exports (P) Ltd., Chennai
- M.M. Industries, Chennai
- Khimjee Hunsraj, Chennai
- Sri Sai Ram Leather Products, Chennai
- Raaj K. Leather Exports, Chennai
- RGT & PE Concepts (P) Ltd., Chennai
- Sastha Leather Crafts, Chennai
- Jahan Leather Exports, Chennai
- Ajmad Finished Leather Co., Vaniyambadi
- Globalution Shoes Pvt. Ltd., Vellore
- Fatek Leathers, Chennai

Laser
- Samraa Leathers, Chennai
- Gadsyll Shoes, Chennai
- Tanstyle Leather Products, Chennai
- Priya Impex Consultants, Chennai

EVA Footbed
- Grace Prosthetics & Orthotics, Chennai
- Aashrina Enterprises, Chennai

Automated Sewing Machine
- Leather Hunte (P) Ltd., Chennai
- Leather Hub, Chennai

Design & Development
- Bharatiya International Ltd., Chennai
- Padmash Leathers & Exports (P) Ltd., Chennai
- Rathna Leathers (P) Ltd., Ranipet
- Aashrina Enterprises, Chennai
- Sangeetha Enterprises, Chennai
- Leather Hunte (P) Ltd., Chennai
- Dil Rose Merchant Co., Chennai

Manufacturing
PPE Kits
- Tamilnadu Medical Service Corp Ltd., Chennai
- PPDC, Agra
- Phoenix Healthcare, Ambur

Newly Launched Machine:
Cutting Board Planing, Surfacing Machine

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	Insole / Sole Grading	For Any Type (Incl. Half Sizes)	1 Series *	500
6	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
7	Swinging Arm Clicking M/c	ATOM SE16 (16 T Capacity)	Per hour	50
8	Swinging Arm Clicking M/c	ATOM SE-18 (20 T Capacity)	Per hour	50
9	Travel Head Cutting Machine	ATOM -SP588 25 Tonnes	Per hour	150
10	Splitting Machine with width 400 mm	SEAZEN SZ 400	Per hour	120
11	Stamping Machine	BRUGGI	Per hour	25
12	Stamping Machine	Indigeneous (TSE)	Per hour	25
13	Strap Cutting Machine (Circular Type)	Indigenous	Per hour	50
14	Strap Cutting Machine (Vertical Type)	Indigenous (TSE)	Per hour	50

CLOSING & PRECLOSING SECTION

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

Tariff for other Common Facility Services

SOLE / INSOLE MAKING SECTION

S.No.	Job Description	Description	UOM	Cost in INR
37	Insole Moulding Machine	Torielli	Per hour	50
38	Insole Bevelling Machine	Indigeneous	Per hour	30
39	Insole Rivetting Mc	BRUGGI -BRU-112	Per hour	30

FULL SHOE LASTING / BOTTOMING SECTION

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

SPECIAL PURPOSE MACHINES

S.No.	Job Description	Description	UOM	Cost in INR
66	Dieless Cutting M/c	ZUND LC-2400 ECO	Per Hour	500
67	Comelz Cutting M/c	P55	Per Hour	400
68	PU - Pouring Maching	PUMA James 3 (12 station- Banana type)	Per Hour	1000
69	Laser Engraving & Cutting M/c	ELITA 32	Per Hour	300
70	Automated Pattern Sewing M/c	SB 1286201 BAS-341HXL	Per Hour	400
71	3D Customized EVA Foot Bed	Inescop	Per Pair	1800
72	Zig-Zag Sewing M/c with cording	Adler 527-847	Per Hour	50
73	Crimping M/c (Hydraulic Type)	SZ-571	Per Hour	100
74	Cutting Board Surfacing M/c	Indigenous	Per Side	50

For Job Works and Common Facility Services, please contact
Mr. Balaji - 98400 66440, balaji@cftichennai.in, jobwork@cftichennai.in

CENTRAL FOOTWEAR TRAINING INSTITUTE
65/1, GST Road, Guindy, Chennai - 600 032.
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MSME - Technology Development Centre

Ministry of MSME, Govt. of India

65/1, G. S. T. Road, Guindy, Chennai-600 032. Phone:044-22501529, / 22500879, Website: www.cftichennai.in, Email: cfti@cftichennai.in

PPE Kits (Coverall for COVID-19) manufactured by CFTI Chennai

We, Central Footwear Training Institute, Chennai, Government of India Society functioning under Ministry of MSME, Govt. of India. After the instructions from Ministry of MSME, this Institute has contributed towards helping the COVID-19 warriors by manufacturing essential PPE kits (Medical Gowns) for a private supplier to Government, since April 2020. So far 6500 medical gowns have been manufactured by this Institute with the modernized machinery and skilled manpower of the Institute. CFTI, Chennai stafs have taken all precautions against COVID-19, such as social distancing, sanitizing, use of face mask etc.,

Now this Institute's Medical Coverall (PPE Kit) composing of Hooder and boot cover has passed the Synthetic Blood penetration test conducted by International testing centre an approved lab Conducted by PPDC Meerut Under Ministry of MSME, Govt of India, tested on the fabric & seam portion as per ASTM F1670 standards of synthetic blood penetration test

Specifications : CFTI SSU - 700

Suit	Polypropylene / Polyurethane
Zipper	Metal/ Nylon / Polyester Braid
Elastic	Synthetic Rubber (non-latex)
Seam Tape	Polyethylene / Polyester
Thread	Polyester / Cotton
Price	600/- + GST

Specifications : CFTI MU - 700

Suit	Celloluse based Non-woven / Polyurethane
Zipper	Metal/ Nylon / Polyester Braid
Elastic	Synthetic Rubber (non-latex)
Seam Tape	Polyethylene / Polyester
Thread	Polyester / Cotton
Price	1000/- + GST

***Note: Minimum order qty: 500 pieces**

Sizing

An appropriate size garment should be selected to allow sufficient movement for the task

Height			Chest	
Free Size	71-73 in	180-185 cm	50-52 in	125-132 cm

PPE Kit Contains :

1. Full Body Coverall with hood cap
2. Boot Cover

In case of requirement in the above PPE Kits, you are kindly requested to contact us:

Email Id : ppekits@cftichennai.in
Contact Name : P. Sekar
Contact Number : 9384843703

Certified Body
MSME - Technology Development Centre, PPDC MEERUT
Ministry of MSME, Govt. of India

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   Branch : Guindy
   IFSC Code : SBIN0000956
6. For further enquiries please contact: 9962445614

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 & Garnents

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 coverred) :

6. Name of the Company Authority & Designation :

7. Contact Number & Email :

8. Signature :

9. Company Seal :

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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 ..

LSSC
LEATHER
SECTOR
SKILL
COUNCIL

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

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GOVT OF INDIA

CENTRAL FOOTWEAR TRAINING INSTITUTE, CHENNAI

MSME - TECHNOLOGY DEVELOPMENT CENTRE

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

Placement assistance provided

Hostel facility Available for Boys

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 Code	NSQF Level	Duration	Eligibility	Age	Course Fee (in Rs.)		Month of Commencement
							General Candidates	SC/ST Candidates Raw materials fees only	
1.	Diploma in Footwear Manufacture & Design (DFMD)	MSME / DFMD / 60	6	24 months	12th Pass	17 to 25	1,56,000	36,000	September
2.	Post Graduate Diploma in Footwear Technology (PGDFT)	MSME / PGDFT 19	7	18 months	Any Graduate	35 max	1,45,000	20,000	November
3.	Post Diploma in Footwear Technology (PDFT)	MSME / PDFT / 12	6	12 months	Any Diploma	35 max	1,20,000	20,000	November
4.	Advanced Certification in "Footwear Design & Product Development (FDPD)	MSME / FDPD / 65	5	12 months	12th pass	35 max	1,22,000	22,000	October
5.	Advanced Certificate Course in Footwear Manufacturing Technology (FMT)	MSME / FMT / 01	5	12 months	10th pass	35 max	72,000	22,000	September
6.	Certificate Course in "Footwear Design & Production" (CFDP)	MSME / CFDP /71	4	6 months	10th pass	35 max	40,000	10,000	August
7.	Leather Goods Maker	DGT / 1079	3	12 months	10th pass	35 max	85,000	18,000	November

- No tuition fee for SC/ST candidates. Ony 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. 1 affiliated with Leicester College, London, UK and therefore course completion certificates is issued by them.
- For all other courses mentioned at Sl. No. 2 to 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 SERVED" 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 to 5 & 7 and Rs. 3,000 for the course mentioned at Sl.No. 6.
- 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

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