



Footwear Chronicle



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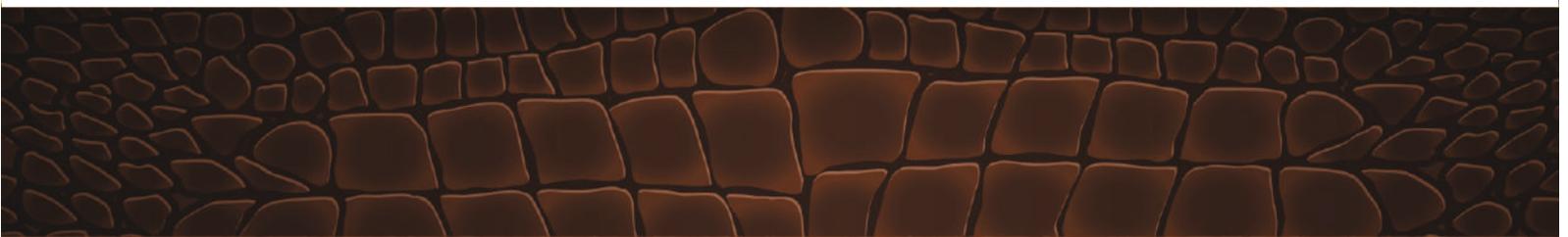
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Beginning
Keeping together is
Progress
working together is
Success*



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CENTRAL FOOTWEAR TRAINING INSTITUTE

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From the Director's Desks

Hello Readers,

I wish to share that during this quarter (April-June) of 2023-24 the Institute has conducted specialized training programmes on trending titles for the benefit of employees, across several trades. In addition to regular courses CFTI, Chennai, has conducted skill training programs, sponsored by TNSDC.

During this quarter 1874 candidates have been trained in various long term, medium term, short term, skill development programmes, sponsored programmes and Specialization training programmes.

Common facility services are provided at nominal charges to footwear MSMEs. 302 numbers of job work and consultancy services have been done during this quarter. Interested footwear MSMEs are requested to make use of these facilities, further details are at page no. 47.

As part of the "Seminar Series", during this quarter of 2023-24 two seminars were conducted 13th Seminar on Adhesive Technologies – an Overview, by Mr. Ravindra More, Technical Manager, Pidilite Industries Ltd. 14th Seminar was conducted on the topic Additive Manufacturing in Footwear Industries by Shri. Sudhakar Gingadey, of Entuple Technologies

This issue of the chronicle consists of articles on

1. Additive manufacturing in Footwear Sector, by Shri. T. Gnanapazhani, Technical Faculty
2. Footwear Industry in India – Trends, Chalanges & Solutions (Reference: Uni-commerce) by Smt. G. Chandralekha, Management Faculty.
3. Digital Marketing - by Smt. G. Chandralekha, Management Faculty.
4. Leather from Mangoes (in Tamil) by Shri. S. Welington Raja, Technical Faculty
5. New Technology in Shoe Industry by Bablu Kumar Das, Student 23rd PGDFT

As a matter of pride, CFTI, Chennai has started a training centre in Pudhcherry prison, for the prisoners to get trained in making leather products. In addition, Summer camps were conducted in our Institute for publicity and to create an awareness among the youth about the Footwear technology and our training facilities. Similarly, International Yoga day was observed in the Institute Campus

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

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

K.MURALI
Director





CFTI, CHENNAI SIGNIFICANT ACHIEVEMENTS APRIL - JUNE 2023



Technology:

During the reporting month 302 MSMEs including Habeeb Tanning, Phoenix Leaders, Ayaz Leather Products, First Feet & Co, Aira Serviced Apartments Private Limited, Akasalabs Design And Technologies Private Limited, Art Factory, Belaku Diagnostic Centre Private Limited, Best Stamping And Forging, Bucketkart Online Services Private Limited, Comfy Overseas, Crazy Hippos Advertising Private Limited, Funfinity Learning Solutions Private Limited, Gichly Shoe Knitz Private Ltd, In time Staffing Services Private Limited, Klickdoc Services Private Limited, M K Dhanalakshmi Engineering Private Limited, Ordo Infotech Services Private Limited, Phoenix Leders, Art Factory, Ayaz Leather Products, Comfy Overseas, Crp (India) Pvt Ltd, Florance Shoes, Habeeb Tanning Company, Kavi's Fashions Pvt Ltd, Mm Industries, One Huge Step, Prabhu Traders, Schuzter Shoes, Truekem, more Creative Solutions Private Limited, Bal Research Foundation, Chardis Services Private

Limited, Continental Technology Solutions Private Limited, F12 Technologies Private Limited, Full Circle Sustainability Studio Private Limited, Oddsoft Solutions Private Limited, Oyster Data Solutions Private Limited, Seemandhra Foods Private Limited, Sri Gases Private Limited, Starcluster It Infra Solutions Private Limited, Venvent E-Solutions Private Limited, Aplha Trader, Euro Hide India, G-Moulding, Kavi'S Fashions Pvt Ltd, Kubs Safes & Locks Pvt Ltd, Lms Gani Mohamed And Co, Pakkar Leather Exports Pvt Ltd, Premier Leather Products Pvt Ltd, Prime Shoes, Sai Leathers, Shaniyo Exports, Shiv Enterprises Rubber And Teflon Pvt Ltd, Track Shoes, T-Sugami, Aashirwad Forex Private Limited, Analego Lab Private Limited, Dekkoh Innovation Technologies Private Limited, Dragonfly Data Factory (India) Private Limited, SM Square Technologies Private Limited, Fred Build Tech Private Limited, Galt Software Technologies Private Limited, Jarota Enterprises Private Limited, NMN Adviser Solutions Private Limited, in Die-less Cutting, Clicking, Closing, Lasting, Safety Shoes, Board Surfacing, Sidewall Stitching, Stroble Stitching, Laser, CAD, Foot bed, Training and PU Soles manufacturing.



Skill Development:

The Institute has conducted the following 77 online/offline specialization training programmes namely AWS, Business Analytics, Cargo Clearance, CEH, Data Science, Export Business, Gold Appraisal, Graphic design, GST Practitioner, HR Specialist, IDVC, ISO, Lean Six Sigma Black Belt, Lean Six Sigma Green Belt, Lean Six Sigma Yellow Belt, Mobile Repair, PLC, PMP, Python, Solar Power Installation, Stock Market, Tally, TDS, With GST, AWS, ISO QMS (9001-2015), Tally ERP, GST Practitioner (CR), SYOB, Stock Market Trading, ISO ISMS, SCM, Advanced Excel, LSSGBj, Gold Appraisal, Gold Appraisal, Gold Appraisal, LSSMBBV-O, LSSGBV-O, LSSBBV-O, Electric Vehicle Installation, Solar Power Installation, Bakery Products Making, Chemical products making, Makeup Professional, Bio sanitary Products Making, DGPS, Export Business AI with ML, Income tax, Block Chain Team, AI with ML, Block Chain Functional, L&D, Cyber Security & N/W, Industry Safety, Graphic Design, PMP, LSSYBV, LSSBBV, LSSBBV, Gold Appraisal, Export Opportunities, Cargo Clearance, Millet based organic food making, Food & Allied Products Making, Video Editing for 1472 participants.

Skilling / Awareness Programme:

Seminar Series:

CFTI's Seminar Series Chapter 13 on "Footwear Adhesive Technologies- an Overview" was conducted by Shri Ravindra More, PIDILITE INDUSTRIES LIMITED, Shri. Jagan, Sales Manager, Chennai, and Shri.Shakeel, Distributor of Pidilite Industries Ltd on 25-04-2023 at CFTI, Chennai Campus.

CFTI's Seminar Series Chapter 14 on "ADDITIVE MANUFACTURING IN FOOTWEAR INDUSTRIES" was conducted by Shri. Sudhakar Gingadey, Lead Polymer Application from M/s. Entuple Technologies, on 09.06.2023 at CFTI, Chennai Campus.



Other Activities:

Shri. Murali K, Director, CFTI, Chennai attended Technical committee meeting of Leather Industries Corporation of Andhra Pradesh (LIDCAP) at Vijayawada along with Shri. Harsha Vardhan IAS, Director Social Welfare Dept, Govt of Andhra Pradesh, Shri. Dola Shankar IOFS MD & VC, LIDCAP.

Shri. Murali K, Director, CFTI, Chennai, Mrs. Sathya HOD, GRI University along with staffs & Technical experts of the Institute attended the ESDP training completion program.

CFTI, Chennai successfully completed training and conducted assessment for candidates from Telangana State in Designing and Manufacturing of Footwear Course sponsored by KVIC Telangana and Shri. Murali K, Director, CFTI, Chennai distributed certificates to the artisans from Telangana sponsored by KHADI Village and Industries Commission (KVIC) after training at the Institute.

Inspection carried out by Shri. Murali K, Director, CFTI, Chennai on the jobworks of the Institute in Safety shoes manufacturing, Dieless cutting Machine works, Custom Footbed/ Footwear manufacturing and in various job work verticals.

Shri. Vinamra Mishra, Director (Technical & Projects), Gol, at visited Chennai and had discussion with, Shri. Murali K, Director, CFTI, Chennai and Shri. Suresh Babuji, Director MSME DFO, Chennai along with Representatives Mr Ekambaram, Additional Director (Schemes).

A 3 day FREE "Shoe sketching course", a summer Camp was organised by CFTI Chennai for the School students as an exposure in designing of shoes at CFTI, Chennai in Guindy Campus. 3 batches of the course were conducted during May 2023. Free Sketching and 2D & 3D Design were taught to participants and were issued certificates.

Training on VR Virtual Reality a high end technology of operating Pattern sewing machine or Automated Sewing machine by Mrs.Chandralekha and Shri.Wellington Raja faculties of our Institute at CFTI Chennai supported by LSSC(Leather Sector Skill Council) was conducted

Participation by CFTI Chennai in a event at Anna Library, Kottur, Chennai organised by MD, Tamilnadu Skill Development Corporation (TNSDC) through "Naan Mudhalvan Scheme" was inaugurated by Shri.Udayanidhi Stalin, Minister for Sports and skills, Govt. of Tamilnadu.

Shri.Murali Director CFTI Chennai had a meeting with Executive Engineer, Assistant Engineer and AE(Electrical) PWD from Thirupathur District discussed about the Phase 2 Building at Vaniyambadi Extension Centre in the present premises.

Shri Murali K, Director, CFTI Chennai participated in National Training Conclave 2023 for civil servants organized by Capacity Building Commission (CBC) inaugurated by Honorable Prime Minister Shri. Narendra Modi at Pragati maiden, New Delhi and launching of "Karmayogi Mission"

Students Industrial Visit for 31st DFMD Batch was organized at M/s Chavab Fine Shoes and M/s Star Exports Ranipet, SIPCOT on 08.06.2023.

Shri. Khaleelur Rahman MD M/s NIBRAS SHOES, Ambur visited the Institute and interviewed the students for recruitment & selected 5 candidates for his organization.

Shri Murali K, Director CFTI Chennai established a training centre in central prison Pudhucherry for making of leather goods & Shoe Uppers with the support of Shri. Ravidip Singh Sagar IG Prisons & Shri. Baskar (Superintendent of Police) for skill development & job oriented courses to prison inmates, in the august presence of Shri.P. Rajavel Deputy speaker & Shri.PML Kalyana Sundaram MLA Pudhucherry. Director distributed the Toolkits to the Prisoners.

Yoga Day was celebrated in our Institute with participation of all staff and students in yoga exercise practices for 3 days from 21st to 23rd June 2023.



ABOUT THE INSTITUTE



Central Footwear Training Institute (CFTI), Chennai is a Govt. of India Society functioning under the aegis of Ministry of MSME (Micro Small and Medium Enterprises), as MSME - Technology Development Centre, a pioneer Institution rendering services in human resource development for footwear and allied industry through imparting various training programmes on Footwear Designing & Manufacturing Technology.

This Institute is the oldest Footwear Training Institution in the country came into existence in July 1957 in the name of Central Footwear Training Centre with the assistance of Ford Foundation engaged in providing trained manpower to the shoe industry. The departmentally run Central Footwear Training Centre was converted in to an autonomous Institution (A Government of India Society under Ministry of SSI) w.e.f. 1.1.96 for better functional autonomy. The Institute has been modernized by "National Leather Development Programme" (NLDP) Project during 1993 under the United Nations Development Program (UNIDO) and is fully equipped with state-of-the art machinery to impart training in the modern methods of Footwear manufacturing. The affairs of the Society are governed under the Chairmanship of Additional Secretary & Development Commissioner, (MSME), Ministry of Micro, Small & Medium Enterprises, and Govt. of India with an objective of quicker implementation of managerial decisions followed by Governing Council members from Govt. of India, State Government of Tamil Nadu and from the Industry.

CFTI situated in the Prime location of Guindy at Chennai having the state of Art Infrastructure for machinery and facilities to train in the area of footwear science and engineering. The facilities includes modern classrooms, workshop with world class Footwear Machines, 3 D Shoe CAD/CAM lab for Shoe Design & Development, Common facility services and all other students amenities like library, Sports centre, conference hall and Student's hostel. CFTI also having need based 33 Skill Training Centres to cater training services in the main hub of Leather Footwear manufacturing area.

CFTI conducts various Long term, Short term and Part time techno managerial courses in Footwear, Leather Goods and allied subjects. One of its premier courses are Two year Diploma in "Footwear Design and Production" which is approved by Textile Institute, London, UK and 1 ½ years Post Graduate Higher Diploma in "Footwear Technology & Management Studies" is accredited with Textile Institute, London, UK. This Institute also conducts various NSQF approved short term courses, Customised courses and part time evening courses based on the jobrole demand of the Industry for freshers, Semi-skilled people as well as entrepreneurs.

Special Mentions

- CFTI, Chennai is certified as ISO 9001:2015 organisation after continuous improvement in the Quality Management System



Class Room



Workshop



Hostel



Library



& to bring in standardization in all the areas of this Institute.

- CFTI, Chennai is a Technical Institute with Quality and Modernization as its calling card.
- CFTI, Chennai has carved a niche for itself for training and making 'Industry Ready' footwear professionals over the last many decades.
- In its quest to always remain ahead of the curve and to equip its students with the latest developments in Technology, Management Practices, Market knowledge, Quality and Standardization CFTI, Chennai has raised its benchmarks to meet the global market demands and global performance benchmarks.
- The students who graduate out of CFTI, Chennai are equipped with the most advanced knowledge as well as hands on exposure to the latest Technological developments which sharpens their skills and enables them to help the Industry march forward as they pursue their careers in the Industry.
- CFTI, Chennai is adequately equipped and has established itself as a globally competitive "Centre of Excellence" in the area of Leather and Leather Products which offers knowledgeable and well trained personnel providing the skills and leadership covering the entire gamut of the Leather and Leather Product Value Chain This is an asset to the Indian Leather and Leather Product industry.

The Objective's of CFTI's are

- To train personnel in footwear technology as per the requirements of the trade and industry.
- To provide training facility to trainees in the Footwear and allied Industry with a view to upgrade their skills.
- To train footwear designers.
- To undertake courses in Management of Footwear Industry.
- To train personnel for maintenance of Footwear Machinery.
- To design and develop moulds and dies for the Footwear Industry.
- To introduce modern technology in footwear design/Industry.
- To assist and promote technology up-gradation in footwear industry.
- To develop products and design with a view to secure advantage in export production.
- To foster appropriate linkages between Central Footwear Training Institute and Industry for utilization of existing capacity and their up-gradation and to undertake consultancy services for development of Footwear Industry.
- To establish linkages with educational, research and developmental institutions in India and abroad, and to collaborate with them in training, research and development.
- To organize databases and information dissemination on footwear technology, export marketing, etc., and to establish suitable library and Resource Centre for trainees and industry.

In common terms, CFTI renders it's services on Training skilled workforce in both Long term as well as Short term courses and are much popular in the industry for imparting technical skill in the workshop areas of footwear manufacturing and processing. The prime importance of CFTI is well known for its hands on experience on the machines and art of skilling. The volume of the trainees trained by CFTI is high and we can see at least one CFTI Alumni in any of the Leather Footwear Industry. CFTI is covering Low level and middle level management in the pyramid of Indian Footwear Sector.

Vision

- To become a leading hub of Footwear, Leather Goods, Retail & Manufacturing of lifestyle products
- To establish an infra-structured network which promotes design, development, production & support service system for the Indian Footwear Industry
- To emerge as a centre of excellence Institute in Training & consultancy internationally.

Mission

- To provide world class education to its students
- Foster research & development for the growth of new designs
- Evolve innovation application for making India a global layer in every domain of lifestyle products



Class Room



Practical



Student Conference Hall



Clicking Section



DÜRKOPP ADLER - THE BEST SOLUTION FOR FOOTWEAR UPPERS



Minerva Boskovice is a Czech company bringing into the marketplace a full range of Dürkopp Adler machines for making leather footwear uppers and insteps. The company history started in year 1881.

It produces post bed, flat bed, cylinder bed and zig zag industrial sewing machines and it is the biggest European industrial sewing machines manufacturer.

Machines are available in advanced version **CLASSIC** (automatic thread trimer, footlift, backtacking, auto needle positioning), then **ECO+** (automatic thread trimer, manual backtacking, manual footlift, auto needle positioning), and economic version **ECO** (manual footlift, manual backtacking). Every upper producer can choose preferred version.

THE MAIN FEATURES OF THESE MACHINES ARE :

- Excellent stitch pattern, even during sewing speed changes
- Sewing start-up after cutting the thread can be influenced by the movable needle plate inserts
- Low noise and vibration
- The powerful and effective feeding system with wheel feed, needle feed and driven roller presser guarantees excellent material feed when processing different material thicknesses
- Large hook (26 mm bobbin)
- Powerful lubricating system with central oil tank and oil pump
- Highly energy-efficient motor
- Easy maintenance
- Maximum durability
- With CE certificate, produced under ISO standards in the Czech Republic

Dürkopp Adler leather upper sewing machines are successfully marketed and sold in India by company SP International. For further information, quotation or machine trial, please visit www.spi-machines.com or contact Mr. Suresh V. at email vs@spi-machines.com

888-160122-M



Single needle lockstitch post bed machine 888-160122-M CLASSIC for most of stitching operations in the shoe production with DA Direct Drive and operating panel OP1000



SPECIALIZATION TRAINING PROGRAMMES ONLINE/OFFLINE (SELF FINANCING) :



Bio Sanitary Products making courses help learners understand the need of bio sanitary products and its business potential . small entrepreneurs gets business opportunity



Business Analytics -To provide technical aspects to get job opportunity and as well as encourage managerial ability to project and present in an organisation.



Chemical Products Making- To provide technical aspects for small entrepreneurs gets business opportunity and as well as encourage them to start business



Chemical Products Making- To provide technical aspects for small entrepreneurs gets business opportunity and as well as encourage them to start business1



The Institute has conducted the following 77 online/offline specialization training programmes namely AWS, Business Analytics, Cargo Clearance, CEH, Data Science, Export Business, Gold Appraisal, Graphic design, GST Practitioner, HR Specialist, IDVC, ISO, Lean Six Sigma Black Belt, Lean Six Sigma Green Belt, Lean Six Sigma Yellow Belt, Mobile Repair, PLC, PMP, Python, Solar Power Installation, Stock Market, Tally, TDS, With GST, AWS, ISO QMS (9001-2015), Tally ERP, GST Practitioner (CR), SYOB, Stock Market Trading, ISO ISMS, SCM, Advanced Excel, LSSGBj, Gold Appraisal, Gold Appraisal, LSSBBV-O, LSSGBV-O, LSSBBV-O, Electric Vehicle Installation, Solar Power Installation, Bakery Products Making, Chemical products making, Makeup Professional, Bio sanitary Products Making, DGPS, Export Business AI with ML, Income tax, Block Chain Team, AI with ML, Block Chain Functional, L&D, Cyber Security & N/W, Industry Safety, Graphic Design, PMP, LSSYBV, LSSBBV, LSSBBV, Gold Appraisal, Export Opportunities, Cargo Clearance, Millet based organic food making, Food & Allied Products Making, Video Editing for 1472 participants.



SPECIALIZATION TRAINING PROGRAMMES



MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



DGPS -Providing training is designed and develop skills and solid understanding of GNSS surveying for the surveyors, Land Surveying professionals and businessman to upgrade their skill



Digital Marketing Learning Digital Marketing along with Social Media Marketing Optimization helps new job seekers and Small Business Owners to enhance their business potential. Opens up



MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



Electric vehicle Installation -To provide a three day training course on Electric vehicle installation ,connectivity and repair to allow you to start repairing on own and start making an income.



Export and Import training - This training programme aims to enable the Participants to understand the Legal Provisions of Customs Laws & Regulations covering Export Import Clearances



MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



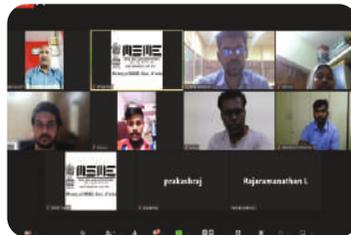
SPECIALIZATION TRAINING PROGRAMMES



MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



Fire Safety Training module is designed to teach how preventive measures that will eliminate or minimize causes of fire or fire hazards in the workplace, and to teach you proper emergenc



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



MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



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



IDVC- To provide training on electronics circuit design for Engg students to learn and understand the Industry work environment.



MSME
सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



SPECIALIZATION TRAINING PROGRAMMES



Juice Products making courses help learners understand the need of beverages products and its business potential . small entrepreneurs gets business opportunity



MSME

सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



Millet based organic food products making courses help learners understand the need of food products and its business potential . small entrepreneurs gets business opportunity

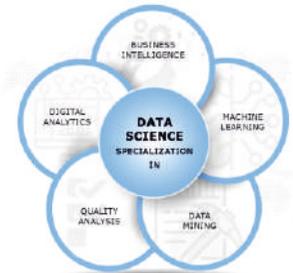


MSME

सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



Solar Power Installation - To provide technical aspects for small entrepreneurs gets business opportunity and as well as encourage them to start business.



MSME

सूक्ष्म, लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES



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



MSME

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MICRO, SMALL & MEDIUM ENTERPRISES



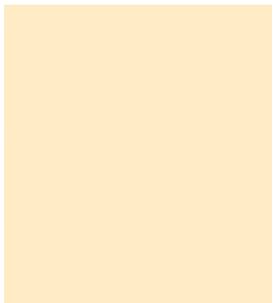


PLACEMENT



CFTI's goal "PLACEMENT FOR ALL DESERVING STUDENTS"

Campus Interview by M/s Chaussures Premiers Pvt Ltd & M/s Nibras Shoe Company





ADDITIVE MANUFACTURING IN THE FOOTWEAR SECTOR



In the past, additive manufacturing was primarily used for prototyping due to its production times and materials limitations. However, with the evolution of technologies and materials, the printing of functional products is already a reality. Likewise other manufacturing sectors, the footwear industry found potential in these new digital manufacturing technologies, using them essentially to :

- Product development through the rapid production of soles and other components prototypes, and even whole footwear prototypes;
- Fast production of tools and production support components such as moulds, mould inserts, lasts, and others;
- Customized production of tools and components for medical footwear such as lasts, orthopaedic insoles and footwear, among others;
- Production of components and complete ready-to-wear sports, performance and fashion footwear, such as soles, sneakers, soles for football boots, running shoes, sandals, highly personalized footwear, and many others.

Not only well-known brands such as Adidas, Nike, New Balance, ECCO and others have surrendered to the use of this technology, but also start-ups and footwear designers with their collections did it as well, such as Silvia Fado and Ganit Goldstein. The future vision is to use AM (Additive Manufacturing) for mass production and customization or personalization, which some brands have already started to do so. For example, Adidas with the FutureCraft 4D model was the first model with printed soles launched in 2017 . Examples of the use of additive manufacturing in the footwear sector are presented below

PRODUCT DEVELOPMENT

In the world of the footwear industry, design validation is a crucial process before launching a new model on the market or, in the case of private label services, for the development of samples for customer appreciation. Design validation is usually done by constructing prototypes and models to evaluate its design and functionality. However, this process is often slow and expensive, especially in the case of injected soles, as it is necessary to develop injection moulds. Therefore, to avoid the need to manufacture a mould for each version of the soles prototype, what is usually done is manufacture a rigid sole by subtractive manufacturing (machining). In this way, it is possible to obtain a physical model of the sole; however, it is not possible to evaluate the model's functionality due to its rigidity. This is where additive manufacturing brings numerous advantages, leveraging the possibility of quickly produce functional prototypes without resorting to mould making

Stratasys, a 3D printer manufacturer, elaborated a case study in cooperation with Brooks Running (figure 1), a running shoes manufacturer. They observed that delays in development projects had decreased dramatically thanks to rapid prototyping by additive manufacturing, using Polyjet as AM technique. With this new technology, design validation can be done in less than half of the time compared to traditional methods, and redesign is much easier. Kelly Krotzer of Brooks Running says the company's next step will be to print functional prototypes as soon as suitable materials are on the market.



Figure 1 : Brooks midsole and outsole prototypes

The Spanish footwear brand Camper installed some 3D printers (figure 2) at its premises in Mallorca to expedite the developing process of new collections. Like Puma, Camper used external services to produce prototypes, thus being dependent on third parties leading times, which could take a few weeks to obtain them. With AM, Camper can now produce prototypes in-house within 24 hours.



Figure 2 : 3D printers installed at Camper premises



PRODUCTION OF SOLES, MIDSOLES AND WEDGES

In collaboration with the coaching team of Olympic sprinter Allyson Felix, Nike developed a new shoe model to meet the sport's requirements, Figure 3. In this project, Nike's design and engineering teams were involved in developing a new sole perfectly adjusted to the contour of the sprinter's foot and the design of the spikes for a better grip on the track and a greater impulse for a longer step during the race. Nike used SLS technology to prototype the Zoom Superfly Flyknit model, reducing sample production from weeks to days. This speed allowed for a more expeditious interaction between Allyson and Nike.



Figure : 3New Track Spike sole from Nike, produced by AM

In 2017, Adidas launched running shoes on the market whose sole is produced by DLS (Digital Light Synthesis), resulting from a collaboration between Adidas and Carbon, Figure 4. Since then, Adidas has released several models. Similar to Adidas, New Balance, in collaboration with Formlabs and Under Armour, developed a sole that, according to the manufacturer, is light with excellent support characteristics while maintaining elasticity, Figure 5. The technology used by New Balance and Formlabs is SLA, while Under Armor used SLS.



Figure 4 : Alphaedge 4D model by Adidas



Figure 5 : Shoe developed by New Balance

PRODUCTION OF COMPONENTS FOR MEDICAL FOOTWEAR

The production of components for medical footwear (such as orthopaedic, diabetic and others) is a strong example where AM is undoubtedly advantageous, given that these products are unique and exclusive for each patient or even each patient's foot. The production of this type of components by additive manufacturing also includes digitalization through a 3D scanner instead of the traditional mould. The process begins with digitization the foot, whose data is later processed to scale the last and its components (insole, sole, etc.) for the footwear assembly. These products are then produced by additive manufacturing and shipped to the customer

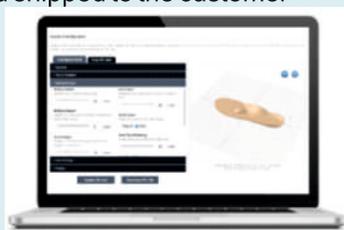


Figure 6 Software developed for customizing insoles

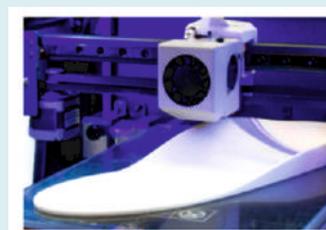


Figure 7 Printed insole

PRODUCTION OF UPPERS

Nike has developed a running shoe model, the Nike FlyPrint, whose upper is produced exclusively by additive manufacturing. The technology used by Nike is SDM (Solid Deposition Modeling), equivalent to extrusion printing.



Figure 8 Nike upper print

By
T. Gnanapazhani, M.Tech (Footwear Science & Engg)
Technical Faculty,
CFTI, Chennai



SKILL TRAINING PROGRAMMES



SHG TRAINING

SELF HELP GROUP





SKILL TRAINING PROGRAMMES



TAMILNADU SKILL DEVELOPMENT CORPORATION

TNSDC TRAINING





SKILL TRAINING PROGRAMMES



OBJECTIVE OF SHORT TERM SKILL TRAINING

- To provide Skill training under NSQF approved job roles for unemployed youth and provide them placement in the Footwear and allied Industries.
- To ensure that the candidates are job ready after training, meeting the required levels of National Occupational Standards created by the Leather Sector Skill Council.



TNSDC SKILL TRAINING PROGRAMS

CFTI, Chennai as a training partner is conducting a short term skill training program under “Placement linked Entry level training for unemployed youth” sponsored by Tamil Nadu Skill Development Corporation at Krishnagiri, Vellore Districts. The training duration is for one month – 200 hrs to One and half month – 340 hrs duration in NSQF approved jobroles. In this June quarter, Skill Training Division, CFTI Chennai, has completed training for 93 candidates.

CFTI, Chennai is carried out by setting up training centres at remote villages nearer to Footwear and Leather Goods Industries. The pre survey taken from the MSME and Industry helps CFTI, Chennai to place trained candidates parallelly after successful completion.

The training has also emphasised on shop floor ethics such as 5S, Safety and Housekeeping. Training at the company premises substantially helped in creating shop floor awareness and in addition it has helped to create a very positive attitude for taking up employment in the Leather Footwear sector.

Shop floor supervisors have been appreciating the training modality imparted by CFTI, Chennai and stated that it has resulted in an increase in Productivity and in addition a reduction of rework & wastages. The training by CFTI, Chennai is thus tailored to meet the Industry needs and resulted in Skill Speed and scale for productivity in Companies.

Skill Training under the SHG Program

Skill Training Programmes have been provided to 308 SC/ST Candidates in NSQF approved job roles under SC/ST fee reimbursement Scheme and Currently training is ongoing for 390 candidates in this quarter. During the one month and one and half course duration, Practical and Theoretical training are provided to the candidates in Stitching operator footwear or Stitcher leather Goods & Garments jobrole.

Current Training Programmes

Ongoing programme of Short term skill training SHG Programme is for 390 candidates at various training centres and the training duration is for one and half month duration in Stitching job roles.

Expert trainers from CFTI Chennai have successfully conducted practical and theoretical training for 111 candidates sponsored by the Tamil Nadu Skill Development Corporation Ltd





The New Admin Building is being established with world class amenities of **15 Smart Classrooms, Canteen, Auditorium, 4 Technical Labs, Virtual Examination hall** and guest house with plug and play facilities for doing jobwork.



केन्द्रीय पादुका प्रशिक्षण संस्थान चेन्नई
CENTRAL FOOTWEAR TRAINING INSTITUTE

MSME - Technology Development Centre, Chennai
Ministry of Micro, Small and Medium Enterprises, Government of India

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Footwear Chronicle - Quarterly Magazine – 2022-23

(In Rupees)

Advertisement Size	1 Issue	2 Issues 10% Discount	4 Issues 20% Discount
Full Page (Colour)	10,000	18,000	32,000
Front cover Inner	15,000	27,000	48,000
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GST @ 18% extra

For further enquiry Please Contact Publicity Department, CFTI, Chennai
Contact : 9677943633, 9677943733, E-mail : publicity@cftichennai.in



IMPORTANT EVENTS



Visit and meet by Shri.Murali K, Director CFTI, Chennai with Shri.Pradeep Prem & Smt. Mamma from Director of Sri Aurobindo Society and had discussion for helping the prisoners and families of the prisoners in manufacturing footwear for their livelihood.



Visit of Shri.Murali K, Director CFTI, Chennai to the Central Prisons, Puducherry along with Ms.Devi & Mr.Manikandan from Admission Cell and had discussions with Shri.Baskar, Superintendent of Police along with Mrs.Thulasi Nalini NGO & Shri.Earkai Chinnaiya Natesan for training.



IMPORTANT EVENTS



Shri Murali, Director CFTI Chennai established a training centre in central prison Puducherry for making of leather goods and shoe uppers with the support of Shri. Ravi dip Singh sagar IG prisons and Shri. Baskar (Supdt of police) on skill development courses to Prison inmates. After inauguration Toolkits were distributed to prisoners and are ready for commencement of the courses conducted by CFTI, Chennai.



மத்திய காலனி பயிற்சி நிலையம் CFTI - MSME

சென்னை மூலம் புதுச்சேரி காலாப்பட்டு மத்திய சிறைச்சாலையில் உள்ள சிறை வாசிகளுக்கு காலனி உற்பத்தி தொடர்பான தோல் திறன் பயிற்சி அளித்தல் அழைப்பிதழ்

- நாள் : 19.06.2023, திங்கட்கிழமை
- இடம் : மத்திய சிறைச்சாலை, காலாப்பட்டு
- நேரம் : முற்பகல் 11.00 மணியளவில்

வரவேற்பு

P.நளினிதுளசி S.A.
தலைமை இடம் மற்றும் தலைமை மண்டல இணைப்பாளர்
தேசிய பராமுகிய நெல் மாதிரி அமைதி-தமிழ்நாடு CFTI ஊர் நிர்வாகி

நோக்க உரை

திரு. **K.முரளி** B.Tech.,(Lether) M.Tech.,(Food Wear)
இயக்குனர் மத்திய காலனி பயிற்சி நிறுவனம் CFTI - MSME கிண்டி, சென்னை

தலைமை தாங்கி துவக்கி வைத்து சிறப்புரை ஆற்றப்பவர்

மாண்புமிகு **ந.ரங்கசாமி**
புதுச்சேரி மாநில முதலமைச்சர்

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காவலாட்சி அமைச்சர்

தலைமை தாங்கி முன்னிலை வகிப்பவர்

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Inspector General of Prisons

திரு. **S.அசோகன்**
Chief Superintendent of Jails

திரு. **V.பாஸ்கரன்**
Superintendent of Jail

சிறப்பு விருந்தினர்

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PGDEL MS (H & S) Chairman
Traditional Paddy Conference Council-Thiruvannur

திரு. **K.ராஜேஷ் நம்பூதிரி**
Thanthi & Astrologer General Secretary
Thiruvannandapuram

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திரு. **M.S.மம்தா பிரீம்**
Additional Director Auro Model Prison, Sri Aurobindo Society

திரு. **R.தங்கமணி**
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பூங்கா.பாக்கியராஜ் S.A.S.
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நன்றியுரை

ஸ்டார் தொண்டு நிறுவனம்
தலைமை அலுவலகம், மறைமலை நகர், சென்னை



Shri.Murali k Director CFTI Chennai and his team members visited Central Prison Pudhucherry on invitation from Shri. Baskaran Superintendent of Police and had discussions with the inmates of the prison for skilling in manufacturing of leather Goods/ Shoes.



IMPORTANT EVENTS



CFTI Chennai facilitates in establishment of Training centre inside Central Prison Puducherry, launched in the august presence of Shri.P.Rajavel Deputy speaker & Shri.PML Kalyana Sundaram MLA Pudhucherry to train on the job oriented courses to the prisoners in remand.



IMPORTANT EVENTS





YOGA

IMPORTANT EVENTS





IMPORTANT EVENTS



Meeting of Shri.Murali Director CFTI Chennai with Executive Engineer, Assistant Engineer and AE(Electrical) PWD from Thirupathur District discussed about the Phase 2 Building at Vaniambadi Extension Centre in the present premises.



Students of CFTI Chennai took part in the TN Skills Launch event, which was inaugurated by the Honourable Minister for Youth Welfare and Sports Development, Udhayanidhi Stalin, in Tamil Nadu, India. This initiative by TNSDC and Naan Mudhalvan is a significant step towards achieving the state's goal of becoming a hub for skilled workers and entrepreneurs.



CLRI expo visit by students and staffs in front of Cfti Chennai stall

Shri. Vinamra Mishra, Director (Technical _ Projects) at @minmsme, GoI, Shri.Murali K Director CFTI, Chennai and Shri.Suresh Babuji Director MSME DFO, Chennai along with Representatives from #FaM





INDIAN FOOTWEAR INDUSTRY



FOOTWEAR INDUSTRY IN INDIA: TRENDS, CHALLENGES & SOLUTIONS

Indian Footwear Industry – Overview

Indian footwear industry is one of the top employment generating industries in the nation. While it holds an important position in the Indian Government's drive, the sector dramatically contributes to the nation's economic growth. As per Statista, the footwear market amounts to US\$9,352m in 2022 and is predicted to expand annually by 13.53% (CAGR 2022-2025).

Indian Footwear Industry Market: Revenue by Segment

(in billion USD (US\$))

Source: Statista 2022



Rank	Country	Footwear Produced (Mn Pairs)
1.	China 🇨🇳	13,478
2.	India 🇮🇳	2,579
3.	Vietnam 🇻🇳	1,300
4.	Indonesia 🇮🇩	1,271
5.	Brazil 🇧🇷	944
6.	Bangladesh 🇧🇩	461
7.	Turkey 🇹🇷	447
8.	Pakistan 🇵🇰	411
9.	Mexico 🇲🇽	268
10.	Italy 🇮🇹	184

The footwear industry in India is a combination of both the traditional and modern sectors, manufacturing both leather and non-leather footwear. India is the second-highest producer of footwear in the world, making it one of the leading providers of footwear and leather products.

Coming over to the future growth and predictions, as per an article by News On Air, the fast-growing industry of footwear is expected to expand at 11% in the next five years.

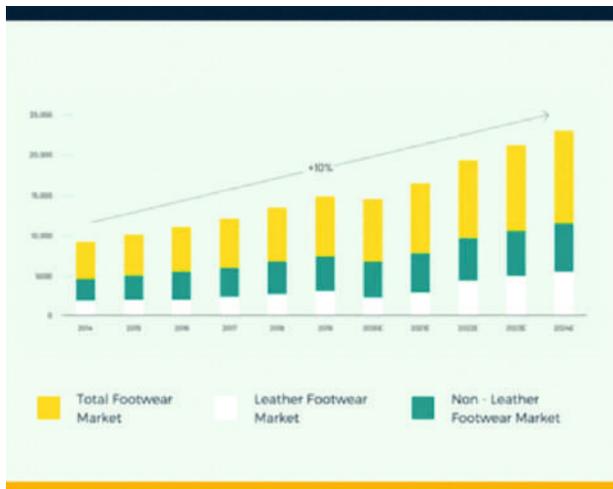
Evolution of Indian Footwear with E-commerce

As mentioned above, India is one of the largest producers of footwear and is only behind China in the world. As per Invest India, India's contribution to global footwear production is 10.7%.

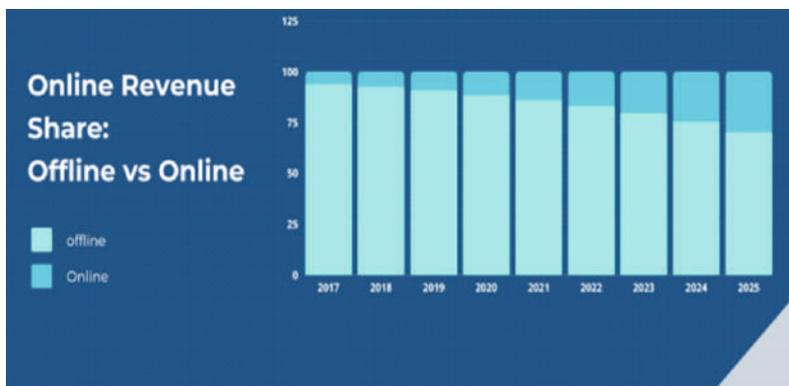


The growth in the Indian fashion and lifestyle market has given a spur to the footwear industry as well. It has developed as a fashion and style category from a basic need-based industry. Currently, a major part of India's fashion market is digitally influenced.

Due to the increasing demand, the e-commerce model has penetrated the footwear industry, providing ample opportunities for the SME sectors, especially in tier II and III cities. Furthermore, the e-commerce ecosystem per se provided many enterprises and premium footwear brands an ease to tap into the market.



Online retailing has enabled SMEs and enterprises across the country to target national consumers rather restricting themselves as regional retailers. This has opened the gates for new possibilities of online retailing i.e. multichannel, omnichannel, and D2C.



Indian footwear industry is emerging as the most demanded shopping category brands, such as Bata, Campus Shoes, Action Shoes, Puma is going online and creating a niche market and opportunities for the other footwear retailers.

Challenges in the Footwear Industry in India

The footwear industry has been largely unorganized and scattered in different parts of the country. Uttar Pradesh and Tamil Nadu, are the biggest footwear-related market. Though technology has marked its presence in the modernization of the footwear industry, most of the production is still handmade. Major challenges in the Footwear Industry:



Reference : **Unicommerce**
Chandralekha Ganesh
Management Faculty, CFTI CHENNAI



The term digital marketing refers to the use of digital channels to market products and services in order to reach consumers. This type of marketing involves the use of websites, mobile devices, social media, search engines, and other similar channels.

Corporations traditionally focused on marketing through print, television, and radio. Although these options still exist, the internet led to a shift in the way companies reach consumers. That's where digital marketing came into play. This form of marketing involves the use of websites, social media, search engines, and apps—anything that incorporates marketing with customer feedback or a two-way interaction between the company and its customers.

Smartphones and other digital devices now make it easier for companies to market themselves and their products and services to consumers.

Types of Digital Marketing Channels

Marketing was traditionally done through print (newspapers and magazines) and broadcast ads (TV and radio). These are channels that still exist today. Digital marketing channels have evolved and continue to do so. The following are eight of the most common avenues that companies can take to boost their marketing efforts. Keep in mind that some companies may use multiple channels in their efforts.

Website Marketing

A website is the centerpiece of all digital marketing activities. It is a very powerful channel on its own, but it's also the medium needed to execute a variety of online marketing campaigns. A website should represent a brand, product, and service in a clear and memorable way. It should be fast, mobile-friendly, and easy to use.

Pay-Per-Click Advertising

Pay-per-click advertising enables marketers to reach Internet users on a number of digital platforms through paid ads. Marketers can set up PPC campaigns on Google, Bing, LinkedIn, Twitter, Pinterest, or Facebook and show their ads to people searching for terms related to the products or services.

Content Marketing

The goal of content marketing is to reach potential customers through the use of content. Content is usually published on a website and then promoted through social media, email marketing, search engine optimization, or even pay-per-click campaigns. The tools of content marketing include blogs, ebooks, online courses, infographics, podcasts, and webinars.

Email Marketing

Email marketing is still one of the most effective digital marketing channels. Many people confuse email marketing with spam email messages, but that's not what email marketing is all about. This type of marketing allows companies to get in touch with potential customers and anyone interested in their brands.

Social Media Marketing

The primary goal of a social media marketing campaign is brand awareness and establishing social trust. As you go deeper into social media marketing, you can use it to get leads or even as a direct marketing or sales channel. Promoted posts and tweets are two examples of social media marketing.

Affiliate Marketing

Affiliate marketing is one of the oldest forms of marketing, and the internet has brought new life to this old standby. With affiliate marketing, influencers promote other people's products and get a commission every time a sale is made or a lead is introduced. Many well-known companies like Amazon have affiliate programs that pay out millions of dollars per month to websites that sell their products.

Video Marketing

YouTube is one of the most popular search engines in the world. A lot of users are turning to YouTube before making a buying decision, to learn something, read a review, or just relax.

Digital Marketing Challenges

Digital marketing poses special challenges for its purveyors. Digital channels proliferate rapidly, and digital marketers have to keep up with how these channels work, how they're used by receivers, and how to use these channels to effectively market their products or services.

It's becoming more difficult to capture receivers' attention because receivers are increasingly inundated with competing ads. Digital marketers also find it challenging to analyze the vast troves of data they capture and then exploit this information in new marketing efforts.

The challenge of capturing and using data effectively highlights that digital marketing requires an approach to marketing based on a deep understanding of consumer behavior. For example, it may require a company to analyze new forms of consumer behaviour, such as using website heatmaps to learn more about the customer journey.



Chandralekha Ganesh MBA, PGDFT
Management Faculty, CFTI CHENNAI



SUMMER CAMP



"Congratulations to the enthusiastic and adventurous batches of CFTI Chennai's Summer Camp! Your dedication and love for learning has truly stood out. We hope that this experience has given you the confidence to keep exploring new interests"



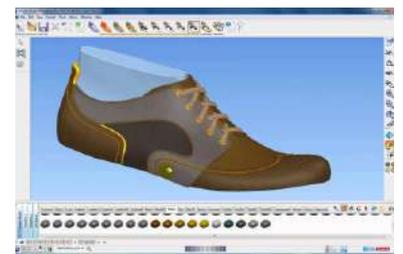
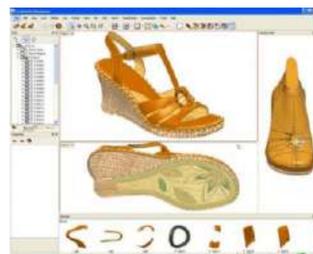
CFTI, Chennai Under the aegis of Ministry of MSME conducts Free Sketching summer camp and students from various standards participates in the summer camp during second batch.



SUMMER CAMP



Students participated in Summer camp on “Sketching and 2D & 3D Design” organized by CFTI Chennai from various parts of the state and during their practice session with the Senior Design faculty Shri.Mohammed Zubair. Certificate distribution by Shri. K. Murali, Director to the summer camp participants.





SUMMER CAMP



The students of the summer camp were enthusiastic and curious to learn new skills and explore career options. We look forward to welcoming more students to our campus and helping them pave their way towards a bright future

Certificate distribution by Senior Design faculty Shri.Mohammed Zubair & Technical Faculty Shri. Gnanapazhani to the summer camp participants.



आए डालते है नजर 2023 के कुछ नए तकनीक पे जो जूते की इंडस्ट्री को बढ़ावा देगा।

1. Self lacing capabilities shoe-

जार्डन ने एक नए तकनीक का जूता लाया है , जिसका खश बात ये है की वह जूते का लैस खुद ही टाइट व ढीला हो जाएगा। इसको बांधने के लिए हाथों की जरूरत नहीं होगी।



2. Plant based leather –

कंपनी एडीडास के द्वारा पौधे से बने लेदर को सामने लाया है ,इस लेदर की खास बात ये होगी की इससे कोई प्रदूषण नहीं होगा। और जूते बिल्कुल वैसी होगी जैसा की लेदर का होता है।



3. 3D printing shoe –

ये ऐसे जूते होंगे जो मशीनों के उपयोग से बनाए जाएंगे। 3D जूते का बहुत ही बड़ा मोड़ आने वाला है इससे फ्रीआद ये होगा की इसे लोगों के अनुसार डिजाइन दिया सकता है और मन चाहा आकृति दे सकते है। फिलहाल तो इसकी उतनी बड़ी मार्केट नहीं है पर लोगों की लोकप्रियता को देखते हुए कदम उठाए जा रहे है।



4. Connected Smart Shoes –

ये जूतों की इंडस्ट्री मे नई मोड़ ला सकती है जो की स्मार्ट जूते होंगे। इसमे आधुनिक तकनीक होगा जिसे आप अपने मोबाईल एप से जोड़ सकेंगे , इसमे आपकी गति और दूरी को मापने का तकनीक होगा



BABLU KUMAR DAS 23PGDFT BATCH



மாம்பழத்தை வைத்து தோல் பண்ணலாமா?



மாம்பழ தோல் என்பது ஒரு சைவ உணவு வகை தோல் ஆகும் - அல்லது இன்னும் குறிப்பாக, கழிவு மாம்பழத்தில் இருந்து தயாரிக்கப்படும் மாற்றமாகும், இது ஒரு சைவ உணவு மற்றும் மிகவும் நிலையான பொருளாகும், இது பொதுவாக மாம்பழத்தோலில் இருந்து தயாரிக்கப்படுகிறது, பின்னர் தோல் பதப்படுத்தப்பட்டு காலணிகள் முதல் கைப்பைகள் வரை அனைத்தையும் தயாரிக்கிறது.

அதை யார் உருவாக்குகிறார்கள்?

ஸ்பேஷியல் டிசைனரில் இளங்கலை பட்டம் பெற்ற நிலையில், இரண்டு இளம் வடிவமைப்பாளர்கள் பொருட்களின் வளர்ச்சியில் தங்கள் கவனத்தை செலுத்தியுள்ளனர். அவர்கள் புளுசிட்டியில் உள்ள தங்கள் புதிய பணியிடத்திற்குச் சென்று, அங்கு அவர்கள் மற்ற வணிகர்களுடன் பூஜ்ஜிய கழிவு பொருளாதாரத்தை நோக்கி வேலை செய்கிறார்கள்.

இது எப்படி தயாரிக்கப்படுகிறது?

சந்தைகளில் இருந்து உணவுக் கழிவுகளைச் சேகரித்த பிறகு, பழங்களை வெட்டி, பிசைவதற்கு முன் அனைத்து விதைகளும் அதிலிருந்து எடுக்கப்பட்டிருப்பதை குழு உறுதி செய்கிறது. பின்னர் அவர்கள் பழத்தில் இருந்து அனைத்து பாக்டீரியாக்களையும் கொதிக்க வைப்பதன் மூலம் அகற்றி, அது அமுகாமால் பார்த்துக்கொள்கிறார்கள். அடுத்த கட்டமாக போஸ்ட்டை குறிப்பிட்ட மேற்பரப்பில் பரப்புவதும், உலர்த்துவதும் செயல்பாட்டில் முக்கியமானது. அது காய்ந்தவுடன், மூலப் பழ தோல் பொருள் தயாரிக்கப்படுகிறது. உண்மையான வளர்ச்சி செயல்முறை என்பது ஒரு நிறுவனத்தின் ரகசியம்.

சுற்றுச்சூழல் பாதிப்பு:

விவசாயிகள் தங்கள் அறுவடையில் 40% வரை வயல்களில் விடுகின்றனர். இந்த பழ கழிவுகளை சேகரித்து மறுசுழற்சி செய்வது குறைவான கழிவுகள் மட்டுமே வெளியேறுகின்ற. பசுமை இல்லாவாயுக்கள் மற்றும் மீத்தேன் உமிழ்வைச் சேமிக்கும் சைவ தோலை வளர்ப்பதில் மாடுகள் அல்லது பிற கால்நடைகள் ஈடுபடவில்லை. சைவத்தோல் பதனிடும் மிகவும் தூய்மையானது மற்றும் மாசுபடுத்தாது, வழக்கமான தோல் உற்பத்தியில் பயன்படுத்தப்படும் நச்சுகள் குறைக்கப்படுகின்றன அதாவது 100% தீங்கு இல்லாதது.



Reference: eco--rebels.com
WELINGTON RAJA S
Technical Faculty, CFTI-Chennai



SEMINAR SERIES BEING CONDUCTED BY CFTI CHENNAI



As you are aware that CFTI, Chennai has carved a niche for itself for training and making 'Industry Ready' footwear professionals over the last many decades. In its quest to always remain ahead of the curve and to equip its students with the latest developments in Technology, Management Practices, Market knowledge, Quality and Standardization CFTI, Chennai has raised its benchmarks to meet the global market demands and global performance benchmarks. The students who graduate out of CFTI, Chennai are equipped with the most advanced knowledge as well as hands on exposure to the latest Technological developments which sharpens their skills and enables them to help the Industry march forward as they pursue their careers in the Industry.

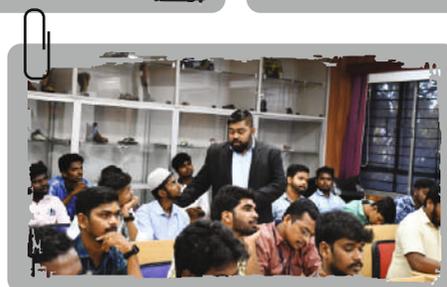
Footwear is as much Science and Technology as it is an art. The CFTI, Chennai with its state of the art facilities and experienced faculty grooms skilled professionals who can meet the challenges of the Footwear Industry head on in a globalised scenario.

However, along with the knowledge imparted in-house, it is extremely important that the students hear first hand from experienced practitioners in the Industry on various facets of 'day to day challenges' in running an enterprise.

It is in this context that CFTI, Chennai holds a "Seminar Series" for its students to keep them abreast of the latest in the Industry be it a New Product, a New Process, a New Machine, a New Software, New Automation products, New Practices for Improving Quality and Productivity, New Testing Protocols, New Regulations, New Standards, New Management Techniques and many more such useful topics. This seminar series being gather technocrats, Industry & Academia in the footwear sector.



CFTI Chennai conducted the **Thirteenth Seminar** in the 'Seminar Series' on 25.04.2023 on the topic of "**Footwear Adhesive Technologies – An Overview**" by Mr. Ravindra More, Technical Manager, Pidilite Industries Limited





SEMINAR SERIES BEING CONDUCTED BY CFTI CHENNAI

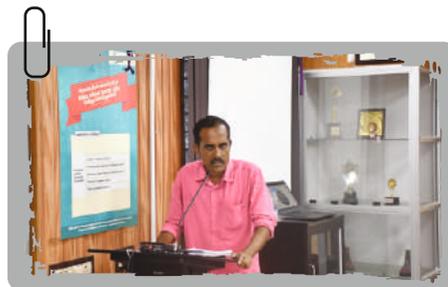
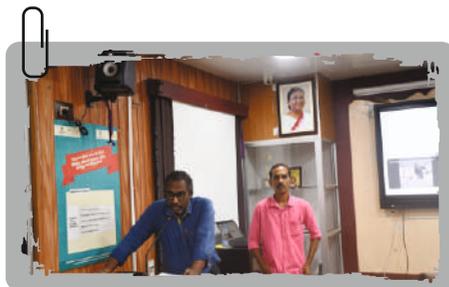


CONTENTS COVERED:

- About Pidilite Industries Ltd
- Purpose of Adhesive
- Types of Footwear Adhesive.
- Detailed explanation about Upper Adhesives & Full Shoe Adhesives.
- Detailed explanation about Primers for different substances of Sole.
- Technology Advanced Products
- Purpose of Cleaners.
- Detailed Explanation about Harmful Solvents & VOC

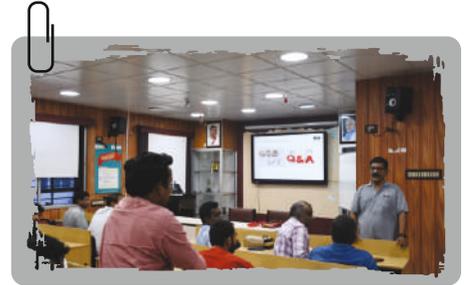
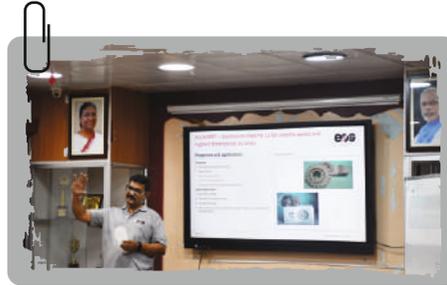


CFTI Chennai conducted the **Fourteenth Seminar** in the 'Seminar Series' on 09.06.2023 on the topic of **"Additive Manufacturing in Footwear Industries"** by **Shri. Sudhakar Gingadey**, Entuple Technologies.





SEMINAR SERIES BEING CONDUCTED BY CFTI CHENNAI



CONTENTS COVERED:

- About EOS India: Corporate Overview.
- Technology Process: How Technology works on 3D Printing.
- Additive Manufacturing Offers Unique Solutions: Challenges of Industrial Companies and Additive Manufacturing Advantages.
- Technologies Available for 3D Printing.
- Selective Laser Sintering (SLS) Technology: General Functional Principal, Working and Construction.
- Polymer Materials: EOS Polymer Portfolio, Classification of Polymer Portfolio, Compatibility of Polymeric Materials and its Technical Specifications.
- Industry & Automation.
- Parameter Editor Structures.
- EOS Additive Minds an End-to-End Solution
- EOS Eco System and Summary.



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STYLE – GENTS CHAPPAL



Key features :

This chappal is made by combining two upper leathers

- a) Snake print leather
 - b) Black sheep leather
- It's a comfortable chappal with Foam padded at the instep area
 - Beige glaze kid lining leather provides additional softness and comfort feel to the users
 - Sock made with two leather combination for the stylish look of the product

STYLE – BROGUE OXFORD



Key features :

- Shoe made in black cow softy leather
- Contains brogue punches in vamp, toe wings, quarter & counter
- Attached green colour satin fabric beneath all punches for its elegant look
- PU sole shoe provide light weight characteristics and enhance comfort to the wearer

STYLE – PERFORATED SPORT SHOE



Key features :

This shoe is done by combining two upper leathers

- a) Beige softy leather
 - b) Suede Brown leather
- Perforated punches are done using “ANZE – CNC machine (punching machine)” available at CFTI, Chennai
 - Collar foam provides extra foot comfort at the ankle region

INNOVATIVE STUDENT SKETCHING



Bablu Kumar Das - 23rd PGDFT



Bablu Kumar Das - 23rd PGDFT

by
Mohammed Zubair
Senior Faculty, CFTI Chennai



INNOVATIVE DESIGNS



22ND PGDFT MODERATION





INNOVATIVE DESIGNS



30TH DFMD FINAL PROJECTS



Done by Mr. Rohit. R, 30th DFMD based on Spiderman theme



Done by Mr. Navin Kumar. S, 30th DFMD based on Crocodile theme



Done by Mr. Sumith Saran, 30th DFMD based on Sky theme



Mohammed Faizan, 30th DFMD based on Rainbow theme

31st DFMD - IV



CFTI Faculties, Shri. Gnanapazhani, Shri. Wellington Raja & Smt. Chandralekha successfully to complete the Industrial visit by 31st DFMD students to "M/s Chavab Fine Shoe Manufacturer LLP" & "M/s Star Exports Tannery" at Ranipet, Tamilnadu.



BENEFICIARIES OF CFTI CHENNAI



(A) Long Term Course

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6	M/s. KENMORE SHOES PVT LTD (FARIDA), Chennai
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8	M/s. P.M.CONSULTING, Kanpur
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23	M/s. SHOEBIRD, Mumbai
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30	M/s. BBK LEATHERS PVT. LTD. LEATHER, Ranipet
31.	M/S NIBRAS SHOES PRIVATE LIMITED, Ambur
32.	M/S CHAVAB FINESHOE MANUFACTURERS, Ranipet



(B) Specialized Program Beneficiaries

Name of the MSMEs / Units Benefitted	
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3	M/s. INTIME STAFFING SERVICES PRIVATE LIMITED, Andhra Pradesh
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5	M/s. KCLICKDOC SERVICES PRIVATE LIMITED, Karnataka
6	M/s. PRO-TRAIN MANAGEMENT SERVICES PRIVATE LIMITED, Karnataka
7	M/s. VTOTAL SOLUTION PRIVATE LIMITED, Karnataka
8	M/s. TD M2M NETWORKS PRIVATE LIMITED, Karnataka
9	M/s. YOUBELO ONLINE SERVICES PRIVATE LIMITED, Karnataka
10	M/s. BUCKETKART ONLINE SERVICES PRIVATE LIMITED, Karnataka
11	M/s. AKASALABS DESIGN AND TECHNOLOGIES PRIVATE LIMITED, Karnataka
12	M/s. SUPERIOR BLISS COMFORT SERVICES PRIVATE LIMITED, Karnataka
13	M/s. FUNFINITY LEARNING SOLUTIONS PRIVATE LIMITED, Karnataka
14	M/s. M K DHANALAKSHMI ENGINEERING PRIVATE LIMITED, Tamil Nadu
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17	M/s. ASTILO BUNCH LIMITED, Tamil Nadu
18	M/s. SRI SAI SHURITI CONSTRUCTIONS OPC PRIVATE LIMITED, Tamil Nadu
19	M/s. GREEN HANDELAARS AGRO PRIVATE LIMITED, Tamil Nadu
20	M/s. CAMPTEN FOODS PRIVATE LIMITED, Kerala
21	M/s. AQUILA ASIA PACIFIC PRIVATE LIMITED, Andhra Pradesh
22	M/s. POLYHEDRON LABORATORIES PRIVATE LIMITED, Tamil Nadu
23	M/s. MERKS DRUGS PRIVATE LIMITED, Andhra Pradesh
24	M/s. MARINE INTERNATIONAL INDIA PRIVATE LIMITED, Tamil Nadu
25	M/s. KKN ENERGY PRIVATE LIMITED, Tamil Nadu
26	M/s. MOTHY PROJECT PRIVATE LIMITED, Tamil Nadu
27	M/s. PAVAN TECINFRA PRIVATE LIMITED, Andhra Pradesh
28	M/s. AADYA EMPIRES PRIVATE LIMITED, Andhra Pradesh
29	M/s. CAPITALTREE PROJECTS PRIVATE LIMITED, Andhra Pradesh
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33	M/s. INTOVAS ENGINEERING PRIVATE LIMITED, Tamil Nadu
34	M/s. VYAPINI CHIT FUNDS PRIVATE LIMITED, Kerala
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36	M/s. AGHARAM PROMOTERS PRIVATE LIMITED, Tamil Nadu
37	M/s. PORLAS E-COMMERCE PRIVATE LIMITED, Andhra Pradesh
38	M/s. LS-APPS SOLUTION PRIVATE LIMITED, Kerala
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41	M/s. GOOD BLUE TECHNOLOGIES PRIVATE LIMITED, Tamil Nadu
42	M/s. SWARNATARA HEALTH CARE RESORTS PRIVATE LIMITED, Tamil Nadu
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20	M/s. GICHLY SHOE KNITZ PRIVATE LTD, CHENNAI
21	M/s. ALINA PVT LTD, CHENGALPATTU
22	M/s. ALFA TRADERS, KOLKATA
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24	M/s. DAKSHIN INDUSTRIES, CHENNAI
25	M/s. DISOBIDENCE OPC PVT LTD, CHENNAI
26	M/s. CORO CUSTOMS, CHENNAI
27	M/s. LEGERO UNITED SHOES INDIA PVT LTD, VELLORE
28	M/s. HUMMING BIRD LEATHER INCORPORATED, CHENNAI
29	M/s. CD SHOES, CHENNAI
30	M/s. PHOENIX LEATHERS, CHENNAI
31	M/s. ATV PRECISION COMPONENTS (P) LTD, CHENNAI
32	M/s. ALFA IMPEX, CHENNAI
33	M/s. EUROHIDE INDIA, CHENNAI
34	M/s. EURO LABELS, CHENNAI
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36	M/s. G- MOULDING SOLUTION, CHENNAI
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39	M/s. HIJAZ KURODA GLOVES COMPANY PVT LTD, CHENNAI
40	M/s. HIDELAND SHOES, CHENNAI
41	M/s. T SUGAMI, CHENNAI
42	M/s. CALZADO INTERNATIONAL, AMBUR
43	M/s. PRABU TRADERS, THIRUVALLUR
44	M/s. POLYTEK FOOTWEAR COMPANY PRIVATE LIMITED, KERALA
45	M/s. SHANKAR RAM SHOES, CHENNAI
46	M/s. KRISH ENTERPRISES, SALEM
47	M/s. HELLO ART & DESIGN PVT LTD AMBER NATH EAST
48	M/s. AKSHAYA INDUCTION, CHENNAI
49	M/s. GH INDUCTION, CHENNAI
50	M/s. SREE SUMANGALA METALS, CHENNAI



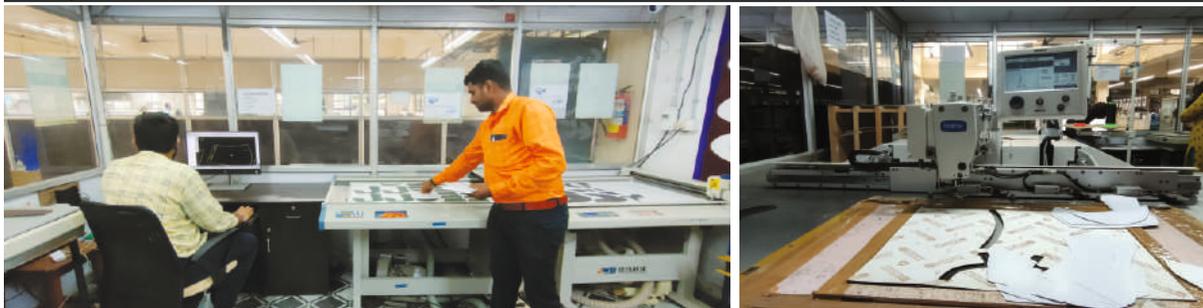
TARIFF FOR COMMON FACILITY SERVICES



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	Splitting Machine	CAMOGA C520RC (Without labour)	Per hour	409
15	Stamping Machine	BRUGGI	Per hour	25
16	Stamping Machine	Indigenous (TSE)	Per hour	25
17	Strap Cutting Machine (Circular Type)	Indigenous	Per hour	50
18	Strap Cutting Machine (Vertical Type)	Indigenous (TSE)	Per hour	50
19	Cutting Machine (With Labour)		Per hour	92

CLOSING & PRECLOSING SECTION

S.No.	Job Description	Description	UOM	Cost in INR
20	SEAM Ceiling Machine		Per Hour	307
21	Flat Bed Single Needle M/c	Indigenous	Per Hour	25
22	Flat Bed Single Needle M/c	Indigenous	Per Hour	20
23	Flat Bed Single Needle M/c	TTY	Per Hour	20
24	Post Bed Single Needle Sewing M/c	AK8820	Per Hour	20
25	Post Bed Single Needle M/c	TTY 9910	Per Hour	20
26	Post Bed Single Needle M/c	ADLER (888 ECO)	Per Hour	50
27	Post Bed Single Needle M/c	ADLER (4180-I)	Per Hour	25
28	Post Bed Single Needle M/c	JUMBO KING	Per Hour	25



TARIFF FOR COMMON FACILITY SERVICES



29	Computerized Post Bed Single Needle M/c	ADLER (888 CLASSIC)	Per Hour	50
30	Post Bed Double Needle M/c	Indigenous	Per Hour	25
31	Post Bed Double Needle M/c	ADLER	Per Hour	25
32	Post Bed Double Needle M/c	JUMBO KING	Per Hour	25
33	Cylinder Bed Single Needle M/c	PFAFF-335	Per Hour	25
34	Cylinder Bed Single Needle Lock Stitch M/c	ADLER	Per Hour	30
35	Zig Zag Machine	PFAFF-418	Per Hour	25
36	Skiving M/c	TORIELLI-105	Per Hour	25
37	Skiving M/c	JUMBO KING	Per Hour	25
38	Heavy Duty Skiving M/c with Dust Collector	GLOBAL SK 112	Per Hour	40
39	Skiving M/c	JUMBO KING WR 801	Per Hour	25
40	Strobel M/c	STROBEL	Per Hour	50
41	Strobel M/c	PFAFF	Per Hour	25
42	Pneumatic Eyeleting M/c	TORIELLI	Per Hour	30



SOLE / INSOLE MAKING SECTION

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

FULL SHOE LASTING / BOTTOMING SECTION

S.No.	Job Description	Description	UOM	Cost in INR
46	Pre Forming M/c (Moccasin-4 Station)	Indigenous	Per Hour	50
47	Toe Mulling M/c	Indigenous	Per Hour	40
48	Counter Moulding M/C	Torielli 85/ZCH	Per Hour	50
49	Counter Moulding M/c	PR 1440	Per Hour	80
50	Toe Lasting M/c (Hydraulic Type)	MOLINA- BIANCI Mobi 1/ BUSM RBII	Per Hour	200
51	Heel Mulling M/c	157.6.17	Per Hour	40
52	Side and Seat Lasting	CERIME 58 E	Per Hour	200
53	Cement Seat Lasting Machine	Toreilli/ ORMAC- 760	Per Hour	100
54	Heel Seat Crowning Machine	Alen 211	Per Hour	50
55	Pounding & Ironing M/c	Torielli - 17/AGC	Per Hour	60
56	Hot Air Blower	TORIELLI	Per Hour	40
57	Hot Air Blower	Indigenous	Per Hour	40
58	Heat Setting Plant (4 Track)	Indigenous	Per Hour	120
59	Roughing & Scouring M/c	Torielli - CF78/ CF78 N	Per Hour	50
60	Flash Activating M/c	ISMIC	Per Hour	30
61	Dryer & Reactivator	PR 1155	Per Hour	120
62	Sole Attaching M/c (Pneumatic)	Elettro Technica BC	Per Hour	75
63	Sole Attaching M/c (Hydraulic)	Sigma 756	Per Hour	100



TARIFF FOR COMMON FACILITY SERVICES



64	Chiller Plant	Indigenous	Per Hour	80
65	Chiller Flash Activa M/c	706 MOLINA ITALY	Per Hour	70
66	Delasting & Re-Lasting M/c	Indigenous	Per Hour	20
67	Topline (Collar) Forming M/c	Alen- 102 SR	Per Hour	100
68	Brushing & Polishing Machine	Indigenous	Per Hour	50
69	Spray Booth	Indigenous	Per Hour	50
70	Side Wall/ Sole Stitching M/c	MECVAL CS 82 N	Per Hour	175
71	Heel Nailing Pneumatic Machine	Torielli 192/ SDV Lue Model	Per Hour	50

SPECIAL PURPOSE MACHINES

S.No.	Job Description	Description	UOM	Cost in INR
72	3D Customised EVA Footbed		Per Pair	1500
73	Crimping Machine-3D Crimping Upper	Olympic VC-19D	Per Pair	10
74	OPTITEX cad software for Leather goods	3D Visual		As per the designing cost
75	Dieless Cutting M/c	ZUND LC-2400 ECO	Per Hour	1200
76	Comelz Cutting M/c	P55	Per Hour	400
77	Laser Engraving & Cutting M/c	ELITA 32	Per Hour	300
78	Automated Pattern Sewing M/c	SB 1286201 BAS-341HXL	Per Hour	400
79	Zig-Zag Sewing M/c with cording	Adler 527-847	Per Hour	50
80	Crimping M/c (Hydraulic Type)	SZ-571	Per Hour	100
81	Cutting Board Surfacing M/c	Indigenous	Per Side	50
82	Toe Moulding /Shaping M/c	Moulded Upper/Components	Per Hour	160
83	CNC Punching machine (with labour)	AN2EA3G2-R4-6080	Per hour	700

PU Plant PUMA JAMES 3 (18 STATION) BANANA TYPE ORIGIN - ITALY

CATEGORY	OUTPUT	TARIFF
PU Sole hardford/ PU Sole/ Mid sole/ Safety shoes	PU Unit soles, PU Midsole, PU Footbed, Moulded sandals, Moulded shoes & Safety shoes	Cost depends on the item





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 Complicated File	1 File 1 File	1500.00 2000.00
2.	Costing Sheet	Any Type	1 File	1000.00

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



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

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ONE STEP SOLUTION
FOR COMPLETE
SPORTS SHOE
MACHINES

Machines for footwear



HOT & COLD Fusing machine
SK - 1825



NIR Conveyor
SK - 555



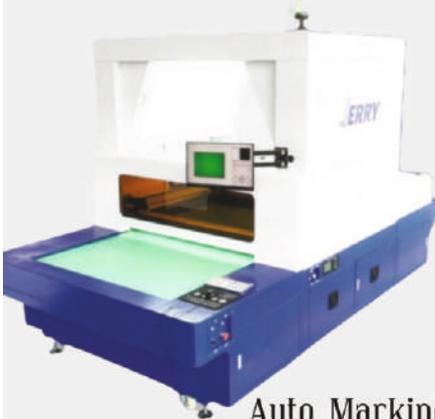
Pattern Stitching Machine
SK - 3020



Smart Cutting Machine
EMMA - G2 - 1606



Spring Coil Chiller
SK-666B



Auto Marking Machine
SK-1680S



EVA Moulding Machine
JIC -9106 SF

A-16, PA Towers, 869, P.H.Road, Kilpauk, Chennai - 600 010.

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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)



Placement assistance provided

Hostel Facility Available for Boys & Girls

COURSE DETAILS

INVITES APPLICATIONS FROM ELIGIBLE CANDIDATES FOR THE FOLLOWING JOB ORIENTED LONG, MEDIUM & SHORT TERM COURSES

S. No.	Name of the Course	Level Code	NSQF Level	Duration	Eligibility	Age	Course Fee (in Rs.)		Date of Commencement
							General Candidates	SC/ST Candidates Raw Materials & Uniform Fees Only	
1	Diploma in Footwear Manufacture & Design (DFMD)	MSME/DFMD/60	6	24 months	12th Pass	17 to 25	1,59,000	39,000	17.07.2023
2	Post Graduate Diploma in Footwear Technology (PGDFT)	MSME/PGDFT/19	7	18 months	Any Graduate	35 max	1,48,000	23,000	16.08.2023
3	Post Diploma in Footwear Technology (PDFT)	MSME/PDFT/12	6	12 months	Any Diploma	35 max	1,23,000	23,000	16.08.2023
4	Advanced Certification Course in "Footwear Design & Product Development" (FDPD)	MSME/FDPD/65	5	12 months	12th Pass	35 max	1,25,000	25,000	10.07.2023
5	Advanced Certificate Course in "Footwear Manufacturing Technology" (FMT)	MSME/FMT/01	5	12 months	10th Pass	35 max	75,000	25,000	19.07.2023
6	Certificate Course in "Footwear Design & Production" (CFDP)	MSME/CFDP/71	4	6 months	10th Pass	35 max	43,000	13,000	07.08.2023
7	Certificate Course in Leather Goods Maker (LGM)	DGT/1079	3	12 months	10th Pass	35 max	88,000	21,000	21.08.2023

- No tuition fee for SC/ST candidates. Only the cost of raw materials issued to them for practical purpose is chargeable. The finished goods (No. of pairs of shoes made in the practicals differ from course to course) are given back to the students. Hostel Fees is to be paid by applicable candidates.
- Students who come from more than 30 km from institute should either stay in the institute hostel or in any local accommodation
- 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 as Sl. No. 1 to 5 & 7 and Rs. 3,000 for the courses 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.

Short Term / Part time Courses

S. No.	Name of the course	Duration	Eligibility	Tuition Fee (in Rs.)	GST @ 18%	Total Fees
1.	Certificate in Shoe Computer Aided Design (CSCAD)	3 months	10th	23,000	4,140	27,140
2.	Design & Pattern Cutting	3 months	10th	10,000	1,800	11,800
3.	Shoe CAD - 2D	1 month	10th (Should have Design Knowledge)	10,000	1,800	11,800
4.	Shoe CAD - 3D	1 month	Minimum 1 Year Certified Course in Footwear, Designing & Pattern Cutting Experience	15,000	2,700	17,700
5.	Shoe Upper Cicking	1 month	8th	10,000	1,800	11,800
6.	Shoe Upper Closing	3 months	8th	12,500	2,250	14,750
7.	Lasting, Full Shoe Making & Finishing	3 months	8th	12,500	2,250	14,750
8.	Leather Goods Making	1 month	8th	10,000	1,800	11,800
9.	Die-Less Cutting & Design	1 month	Should have Design knowledge	12,000	2,160	14,160

HOSTEL FEE (BOYS & GIRLS)

S. No	Type of Accommodation	Per Month With Food	Per Annum With Food
1.	Dormitory	5,300/-	63,600/-
2.	Three Sharing Room	5,800/-	69,600/-
3.	Double Sharing Room	7,800/-	93,600/-
4.	Double Sharing A/C Room	9,300/-	1,11,600/-

For further details Contact :

96779 43633
96779 43733

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