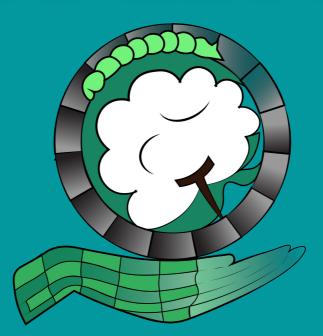


#### **DEPARTMENT OF TEXTILE TECHNOLOGY**

# NEWS LETTER



Vol-3, Issue:1 January-June 2022

# **TEXTILE TECHNOLOGY**



## INSTITUTION

### Vision

The vision of the college is to become a Technical University of International Standards through continuous improvement.

### Mission

Kumaraguru College of Technology is committed to providing Quality Education and Training in Engineering and Technology to prepare students for life and work contribute equipping them to to the technological, economic and social development of India. The college pursues excellence in providing training to develop a sense of professional responsibility, social and cultural awareness and set the students on the path of leadership.

### DEPARTMENT

### Vision

To be a Centre of Excellence in Textile Technology and Management with basic and applied research for the fulfillment of social needs.

### Mission

- Develop industry-relevant curriculum, innovative teaching and project-based learning methods that enable students to be efficient professionals.
- Motivate faculty to update their knowledge and skills through continuous learning.
- Provide holistic student development by creating opportunities for lifelong learning and developing entrepreneurship skills.
- Undertake inter-disciplinary research and development/Internship/Consultancy in the field of Textile Technology to support the industry and society.

# FROM THE HOD'S DESK



#### Dr.V.Ramesh Babu, Head & Associate Professor

Department of Textile Technology was started in the year 1995 with the objective of imparting comprehensive knowledge in all the faces of Textile Manufacture to students through UG & PG programmes. Professionally wellqualified, highly experienced faculty members and a well-equipped laboratory with modern facilities provide ample opportunity to the students to pursue their education with excellence. Students are provided with good industrial exposure taking full advantage of the college located in the Textile City, Coimbatore. The accreditation status has been awarded to the B. Tech Textile Technology undergraduate programme by the National Board of Accreditation, AICTE, New Delhi.

On behalf of the staff and students, it is my pleasure to release the issue of TEXTILE NEWSLETTER, Volume. 3, Issue.1, bi-yearly publication of the Department of Textile Technology that showcases the faculty activities, student activities, research activities, alumni activities, and programs organized in the Department from January - June 2022. Its mission is to become a voice of the textile department, addressing faculty, industry persons and alumni, and other stakeholders of Textile Technology. Finally, I would like to express my appreciation to the faculty and students who contributed to getting ready this Newsletter. I hope you will enjoy reading these newsletters and know the department achievements, Vision and Mission, Programme Educational Objectives and Program Specific Outcomes, etc

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# **FACULTY ACTIVITIES** WORKSHOP / FDP ATTENDED

Dr.V.Ramesh Babu, Dr.M.Dhinakaran, P.Chandrasekaran Dr.S.Sundaresan, participated a Guest Lecture on "Advances in microencapsulation" organised by KCT, on 29.04.2022.

Saminathan R and M.Saravanan attended Refresher course on UHV 1 from 24.04.2022 to 24.04.2022 organised by AICTE.

R.Sukanya Devi participated a international conference on artificial intelligence in fashion and design, bangalore international centre, Bangalore from 04.04.2022 to 05.04.2022 organised by French Embassy, Bangalore.

Dr.Sundaresan & Dr.P.Sivakumar attended in TEXFAIR organized by SIGMA on 27.06.2022.

Dr.P.Chandrasekaran and S.Natarajan attended in TEXFAIR organized by SIGMA on 25.06.2022.

Dr.M.Dhinakaran attended in TEXFAIR organized by SIGMA on 26.06.2022.

Dr.S.Ariharasudhan participation in Faculty Development Programme "MICROSOFT AZURE AI FUNDAMENTALS" organized by ICT academy on 13.06.20222 to 18.06.2022 Dr.V.Ramesh Babu, Dr.M.Dhinakaran, and Dr.S.Sundaresan, participated a FDP on "Fully Fashioned Knitwear" organised by GCT, Faculty development centre from 21-03-2022 to 25-03-2022.

Dr.S.Sundaresan attended FDP on "The Futuristic Trends in Textile & Apparel Engineering (FTTAE)" from 21.03.2022 to 26.03.2022 organised by Maharaja Ranjit Singh Punjab Technical University.

Dr.V.RameshBabu, Dr.S.Ariharasudhan, R.Sukanya Devi, S.Natarajan, Dr.S.Sundaresan, Dr.M.Dhinakaran and Dr.P.Chandrasekaran participated a webinar on "Current Scenario of Textile Waste Recycling" jointly organised by IE(I) Coimbatore and KCT held on 28.02.22.

Dr.S.Ariharasudhan attended FDP on "Emerging Trends in Textile Technology" from 14.02.2022 to 19.02.2022 organised by Department of Textile Engineering, GZSCCET, MRSPTU funded by AICTE-ISTE.

Dr.M.Dhinakaran participated a Webinar on "NANOTECHNOLOGY IN HEALTHCARE"06.01.2022 to 12.01.2022 conducted by Department of ECE, PSG College of Technology, Coimbatore - 641 004. AICTE -ISTE

Dr.V.RameshBabu, Dr.S.Ariharasudhan, S.Natarajan, Dr.S.Sundaresan, Dr.M.Dhinakaran and Dr.P.Chandrasekaran participated a webinar on "PROTECTIVE TEXTILES" on 25.01.2022 conducted by IE (I) Coimbatore Local center

Dr.S.Sundaresan participated a Webinar on "NOVEL DYES AND THEIR PROPERTIES FOR POTENTIAL APPLICATION IN TEXTILES" on 10.01.2022 conducted by IE (I) Coimbatore Local center

### **Guest Lecture delivered**

Dr.V.Ramesh Babu Delivered lecture on "Home Furnishings, Home Textiles Market and its Products" at School of Fashion Design, FDDI Hyderabad Campus on 04–01– 2022

# PAPERS PUBLISHED BY FACULTY

Dr. Saminathan R published paper titled "Assessment of changes in corn husk fibres after acid treatment" in Tekstilec / DOI: 10.14502/tekstilec.65.2021061

R.Sukanya Devi published paper titled "Green synthesis of Silver nanoparticles : A review" in International Journal of Advance Research and Innovative Ideas in Engineering,8(2)

R.Sukanya Devi published paper titled "Enzymes in textile chemical processing" in International Journal of Advance Research and Innovative Ideas in Engineering,8(2)

Dr.S Sundaresan and Dr. V.Ramesh Babu published paper titled "An Outlook on Sports Textiles" in Asian Technical Textiles.

Dr.V.Ramesh Babu, Dr S.Sundaresan published paper titled "Face Masks and its developments – A review" in Colourage.

### **PARTNERSHIP AND EXTERNAL CONNECTION**

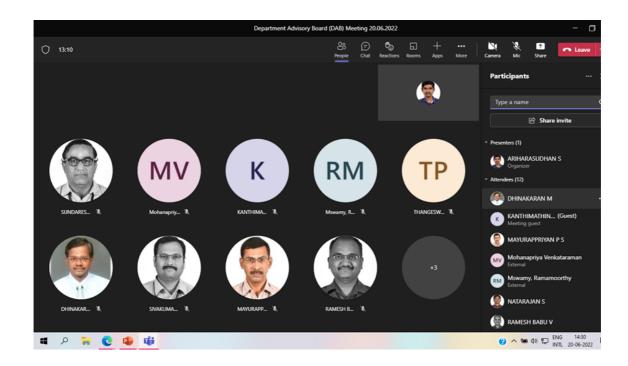
Dr. Saminathan jointly published paper with Pragati Bajpai, UPTTI, Utpal Jana IIHT Salem.

### **One credit course**

One Credit Course on "Home Textile & E-marketing technique" was conducted on 27th & 28th June 2022 by the Department of Textile Technology. Resource persons were J Meenakumari is a Fashion Designer from Chennai, Master Trainer in Apparel & Soft Skills and Lakshmanaraj's diverse backgroundand versatility in Coaching both Life & Digital Business with Promotion.







Department Advisory Board Meeting conducted on 20.06.2022

Rayon is actually stronger when it is wet than when it is dry



Dr.V.Ramesh Babu reviewed paper titled "Design of clothing with encrypted information of lost children-information based on chaotic system and DNA theory" for AuTex

Dr S.Sundaresan reviewed paper titled "Novel composite yarn with wavynetwork structure produced by various delivery speed ratios and untwisting factors" for Textile Research Journal.

M. Saravanan reviewed paper titled "Moisture and electromagnetic shielding characteristics of blended yarn fabrics" for Journal of industrial Textile.

Dr.V.Ramesh Babu reviewed paper titled "Design of clothing with encrypted information of lost children-information based on chaotic system and DNA theory" for AuTex

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M. Saravanan reviewed paper titled "Moisture and electromagnetic shielding characteristics of blended yarn fabrics" for Journal of industrial Textile.

Dr.V.Ramesh Babu reviewed paper titled "Experimental study on Traditional Retting Method for Himalayan Nettle Fiber and characterization" and "An axiomatic design theory for apparel products" for AuTex

Dr S.Sundaresan reviewed paper titled "Novel composite yarn with wavynetwork structure produced by various delivery speed ratios and untwisting factors" for Textile Research Journal.

Dr. S.Sundaresan reviewed paper titled "Flexible piezoelectric fabric nanogenerators based on PVDF nanofiber yarn and PVDF nanofibercoated cotton yarn in core-shell structure" for Journal of industrial Textile.

Dr. M.Dhinakaran reviewed paper titled "Prediction and Analysis of Polyester Conductive Filter Media" for Journal of industrial Textile.

Dr. M.Saravanan reviewed paper titled "Thermal, mechanical and comfort performance of modacrylic fibre and its blends for workwear" for Journal of industrial Textile.

Saminathan R reviewed paper titled "PVC in cables for building and construction. Can the "European approach" be considered a good example for other countries?" for Academia Letters

Dr S.Sundaresan reviewed paper titled "Novel composite yarn with wavynetwork structure produced by various delivery speed ratios and untwisting factors" for Textile Research Journal.

Saminathan R reviewed paper titled "Fixation mechanism of reactive dye in a sustainable non aqueous medium system based on X ray electron spectroscopy" Textile Research Journal.

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Saminathan R reviewed paper titled "Fixation mechanism of reactive dye in a sustainable non aqueous medium system based on X ray electron spectroscopy" Textile Research Journal.

Dr Saminathan R reviewed paper titled "Printing performances of a new nitrogen-free urea substitute in silk" for Textile Research Journal.

Dr.Ariharasudhan S reviewed paper titled "ZIF-8 modified poly (mphenylene isophthalamide) (PMIA) loose nanofiltration membrane for dye wastewater treatment" for Journal of industrial Textile.

Dr.S.Sundaresan reviewed paper titled "Comparative Study of Linear and Quadratic Model Equations for Prediction & Evaluation of Surface Roughness of a Plain-woven Fabric" for Research Journal of Textile and Apparel

Dr.M.Dhinakaran reviewed paper titled "Mechanical Modeling of Spunbond Nonwovens from Polymeric Fibers" for Textile Research Journal

Dr.S.Ariharasudhan reviewed paper titled "Evaluation of Thermal and Evaporative Resistances of Glove Combinations Considered for Military Cold Weather Missions" Journal of Industrial Textile

Dr.V.Ramesh Babu reviewed paper titled "Application of spectral analysis in spinning measurements" for Autex Research Journal

Dr S.Sundaresan reviewed paper titled "The Fiber Diameter Detection of Nonwovens Based on an Improved Neural Network Model" for Journal of Industrial Textile.

Dr S.Sundaresan reviewed paper titled "Yarn Level FEM Simulation for Bending over Sheaves of Braided Ropes" for Journal of Industrial Textile.

> A team of archaeologists and paleobiologists has discovered flax fibers that are more than 34,000 years old



# **EVENTS CONDUCTED**

### **KNOWLEDGE BUMPERS - Poster Preparation**

Students are asked to prepare a poster on a given topics and submit it with in 8hrs from the topic given.

**TOPICS:** 

- 1. Smart textiles
- 2. High-performance fiber
- 3. Textile waste management
- 4. Environmental impact of fast fashion
- 5. Fashion forward: A conceptual analysis
- 6. Graphic design in modern clothing

## Few Posters Done By Our Students







#### ENVIRONMENTAL IMPACT OF **FAST FASHION**

As consumers worldwide buy more clothes, the growing market for cheep items and new styles is taking a tall on the environment. On average, people bought 60% more garments in 2014 than they did in 2000. Fashion production makes up 10% of humanity's carbon emissions, dries up and pollutes water sources. It takes 2,700 litres of water to make one catton t-shirt.



In 2020 an estimated 18.6 million tannes of clothing will and up in a landfill.The Ellen MacArthur Foundation reports that if this trend continues, over 150 million tannes of clothing waste will clog landfills by 2050.



0.5 million tonnes of microplastics from washing synthetic clothes are released in the occan every year. Microplastics are very harmful to the aquatic species.Beneath the ice covered surface of the arctic.

Clothing and textiles production releases 1.2 billion tonnes of greenhouse gases every year:According to the World Health Organization (WHO). 7 million people die sach year due to exposure to air pollution, a problem that extends to the majority of countries nd the world.

Slow fashion approach. A transition away from fast fashion towards slow fashion requires a slowdawn in monufacturing volumes, the introduction of sustainable practices throughout the supply chain and a shift in consumer behaviour to reduce the amount of new clothing being purchased and an emphasis on better-quality materials which last longer. Such systemic changes could improve the long-term sustainability of the fashion supply chain.
Buy less. Don't buy something unless you truly need it. Instead try and extend the life of the clothing you have already.

Shoes can take up to 1000 years to break down



## **TEXERE VIBES**

Date of the event:20.01.2022

No. of Participants: 15

No.of rounds - 2

Round 1 : QUIZ (Google forms)

A Google form will be circulated in the chat box which consists of 20 questions based on Textiles, time Limit for the first round is 20 minutes Round 2 :Puzzle box (Top 5 from the previous round will be selected). PPT which contains the puzzle box will be shared during the meeting each participant will be asked some random facts related to textile until the puzzle box gets filled. (only one chance will be given for one question , the question will be passed if not answered).

Outcome of the event: The students will be got to know more textile terms and facts and this is a weekly event to motivate them to participate more in events.

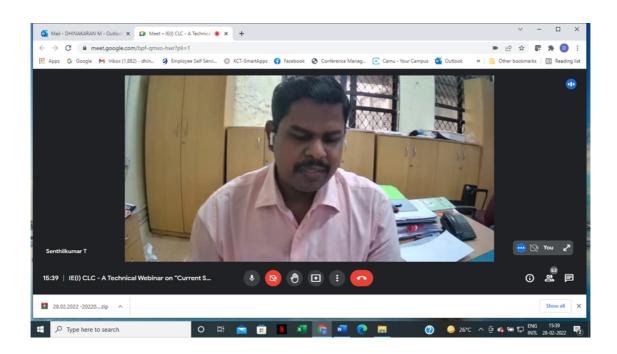


# TEXTILE CRICKET PREMIER LEAGUE



The game cricket was conducted within our textile department between all different years to inculcate and improve the sports presence within our department for boys this very first time since our department's inception

## WEBINARS



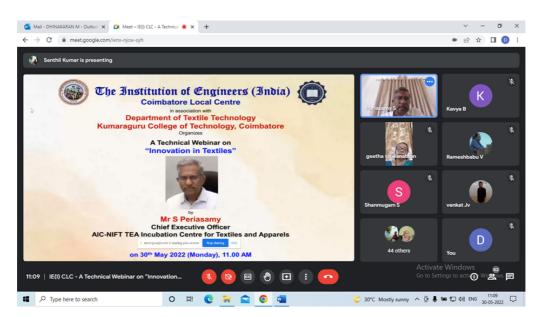
Dr.T.Senthilkumar Working as Scientist (Textile Manufacture) ICAR-Central Institute for Research on Cotton Technology delivering lecture

> Microfibre or Ultrasuede was invented over 20 years ago in Japan. Microfibre is the thinnest of all man-made fibres, even finer than silk. it is 100 times finer than a human hair.





Dr. NAGENDER SINGH, Assistant Professor, Department of Fashion and Apparel Engineering, The Technological Institute of Textile and Sciences, Bhiwani, Haryana delivering lecture on "Advances in microencapsulation for multifunctional textiles"



Periasamy S, currently CEO of AIC-NIFT TEA delivering lecture on "Innovation

in Textiles"



Karthikeyan Jawahar Director- Karma Innovations & Solutions Pvt Ltd delivering lecture Workshop on "How to plan for Start-up and legal & Ethical Steps"

> Bamboo is a grass that is being used to create a fabric that hangs much like a heavy linen



Guest Lectures in association with ITAMMA Series of Seminars/ Conferences under the theme "Azadi ka Amrit Mahotsav"- celebration of 75 years of India's Independence, in Partnership with Ministry of Heavy Industry (MHI) (Schemes for the Development of Indian Textile Engineering Industry

#### Date of the event:05.01.2022 No. of Participants: 55

Delegates from ITAMMA, in & around Coimbatore Industries, Head of the Department of Textile Technology and all the Textile Department faculty members of KCT and other KCT delegates were present MoU Signing Ceremony that happened on 05th January 2022 in physical mode Swami Vivekanda Seminar Hall, KCT. Sixty-five members gathered and graced the occasion with their presence for this lecture cum MOU signing ceremony. Textile Department students were also present for this event. Ms. Jagruti Bandarkar, Marketing Executive, ITAMMA, moderator for this event welcomes everyone and all the gatherings and gave introduction to all dignitaries and requested them to occupy Dias. The welcome address was given by Dr. V. Ramesh Babu, Head of the Department, Textile Technology and acknowledged a thank message to Management and ITAMMA for this kind of initiatives to Institutions.

Event moderator welcomed all three Guest Speakers to start the lecture sessions and introduced each one of them before their lecture address. Lecture session 1 was handled by Dr. K. L. Jeyaraj, Deputy General Manager, Textile Sales, Colorjet India Ltd., on the topic "Latest Technology in Digital Textile Printing" with major points thrown to the audience on advancements in printing and about latest Digital printing technology. The session 2 was handled by Dr. K. Selvaraju, Secretary General, Southern India Mills Association (SIMA) on the topic "Expectations of Textile Manufacturing Industry from Ministry of Heavy Industry (MHI)" delivers key address on various improvements in machineries and how Textiles Industries will get benefited if they get huge monetary support from MHI that assists growth in Textile Exports and domestic economic growth. The final Lecture session 3 was delivered by Dr. M. Saravanan, Assistant Professor, KCT on the topic "Role of Academic Institutions in the Development of Indian Textile Engineering Industry", throws glimpses about various benefits to Academic Institutions on Industry-Institute tie-ups and various mutual benefits that can be achieved through funding, project associations and commercialization projects. The most important address was given by Mr. N. D. Mhatre, General Director (Tech), ITAMMA, Mumbai on "Awareness in Schemes of Capital Goods Sector and Government initiatives for the Development of Indian Textile Engineering Industry" presented various schemes and five foremost schemes available to Industry and Institutes from MHI.

Representatives of Kumaraguru College of Technology (KCT), Coimbatore, India Dr. V. Ramesh Babu, Head-Textiles and from ITAMMA, Mumbai Mr. Dhijen R. Mehta, President have agreed and signed the MOU document to strengthen their bonds. The programme and MOU signing have opened new possibilities for Industry joint project proposals under MHI and students' internships with ITAMMA association industries.

The Vote of Thanks was given by Mr. Ajay Shah, Managing Committee member, ITAMMA, Mumbai to all the event gatherings as an official closing to the Lecture event and MOU signing ceremony. The entire event was organized by Mrs. Radhika Boddu, Asst Director – Projects, Theistic Business Consultants, Mumbai on behalf of ITAMMA and Dr. M. Saravanan, Asst. Prof. I, Department of Textile Technology, KCT after getting approval from HOD and Principal.

Outcome of the event: Memorandum of Understanding (MOU) Ceremony between Kumaraguru College of Technology (KCT), Coimbatore, India & Indian Textile Accessories & Machinery Manufacturers' Association (ITAMMA), Mumbai. Guest Lectures in association with ITAMMA, Mumbai for ITAMMA association Industry members, Students and Research scholars. This programme will have outcome of Industry connects, networking and might benefit final year students in Internships and the event is organized in partnership with Ministry of Heavy Industry (schemes for the development of Indian Textile Engineering Industry).



One Credit Course on "Home Textile & E-marketing technique" was conducted on 27th & 28thJune 2022 for third textile students.



J.Meenakumari delivering lecture on 27.06.22



Session on product demo 27.06.22

One Credit Course on "Home Textile & E-marketing technique" was conducted on 27th & 28thJune 2022 for third textile students.

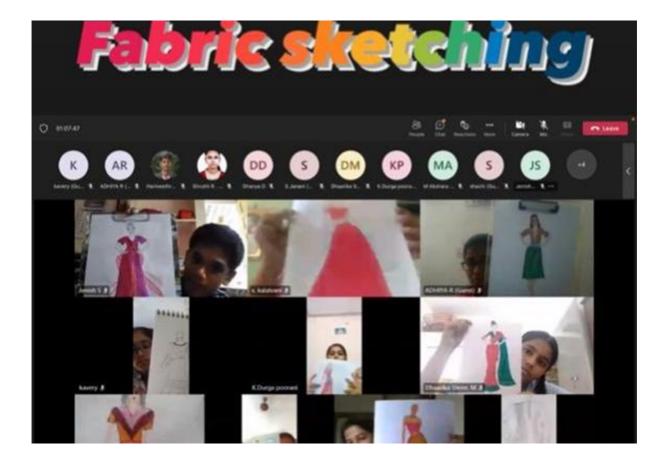




Lecture session on E-marketing technique on 28.06.22

### K-Tex Next Genius

The Textile Department Association conducted the K-Tex Next Genius Contest on 4th June 2022. The five events were Fashion Sketching, Fabric Origami, Fabric Painting, Essay Writing and Wealth from Textile Waste. Students of 8th to 12th std from numerous schools participated enthusiastically.



FABRIC SKETCHING

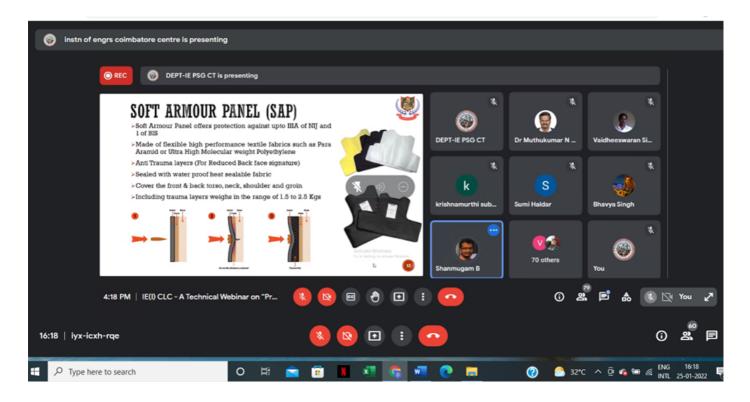


#### FABRIC PAINTING

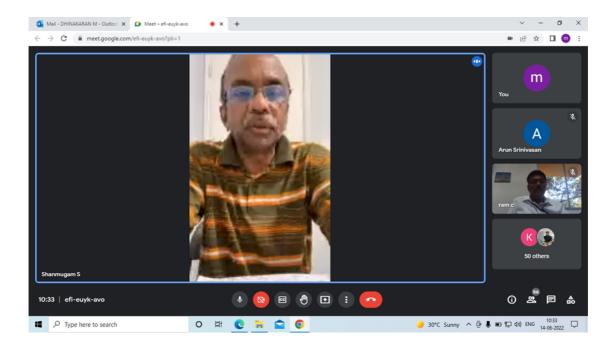


FABRIC ORIGAMI

#### Webinar On "Protective Textiles"



A webinar was organized by the Textile Technology Department on the topic "Protective textiles on 25.1.2022, from 3.30 PM to 4.30 PM. The resource person for the session was Shanmugam B, Working as Junior Works Manager in Ordnance Clothing Factory, Avadi (Ministry of Defence)



Webinar on "Developments in Spinning"

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Vivek Arora, DGM - Marketing & Sales (Domestic), M/s Lakshmi Machine Works Ltd lecturing on Webinar A International conference was organized by cluster of BT, FT, civil engineering and the Department of Textile Technology on the topic of Sustainable Materials, Management and Innovative Technologies on 23 and 24 Jun 2022 in hybrid mode at Kumaraguru College of Technology.



International Conference on Sustainable Materials Management and Innovative Technologies ICSMMIT 2022



#### KUMARAGURU COLLEGE OF TECHNOLOGY





Departments of Textile/ Fashion/KCT-TIFAC CORE of KCT participated in the 4-day TEX FAIR 2022 Exhibition organized by Southern India Mills Association (SIMA), Coimbatore at CODISSIA Trade Fair Centre from 24.06.2022 to 27.06.2022





Workshop was organized by the Department of Textile Technology on "Yarn carrier's for textile spinning and yarn-dyeing industry"

## DRAPE-UP

DRAPE UP was conducted as two batches. There were 20 teams each with two participants. Participants were provided with materials like fabric, scissors, scales, marking chalks, mannequin, etc. They were asked to drape the mannequin in any style. The winners were selected based on their draping style, craftsmanship, time management, material wastage and concept presentation within the given time limit of 1 hr 30mins.





## **TEXTILE MASTER**

The event was with three rounds, in first round quiz was conducted each questions were displayed in the projector with appropriate time to answer it. For the second round best one has been selected for identifying the weave pattern, the team who identified more number of weave patterns were further proceeded for the third round. Then in the third round participants were asked to identify the type of fibre.





## **AARI WORKSHOP**

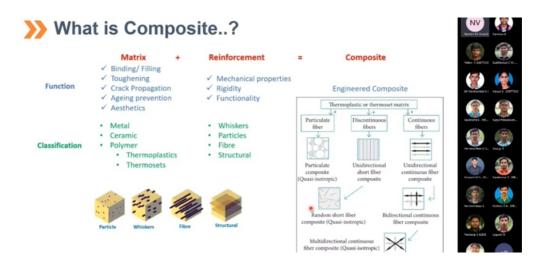
The Department Association of Textile Technology conducted "Aari Workshop" on 17.05.2022. It was mentored by Miss Navaneetham T, Founder of Neethu Bridal Studio. The timing of the workshop was between 10 AM and 3 PM. There were about 12 participants. They were all given the required materials like embroidery cloth, poplin cloth, zari thread, basic thread, beads, two types of needles, etc. They were taught how to do the basic stitches and also incorporate beads in them. They were also asked to make different designs out of their materials. The participants were engaged throughout the time.





## TEXTILE COMPOSITES AND ITS STRUCTURAL EVALUATION

The department of textile technology has conducted the workshop called " Textile composites and its structural evaluation", which is mentored by Mr.Naveen VS, R&D technical textiles The event started at 10 AM and ended by 12 PM. There were about 30 participants.The workshop begins with the introduction of Composites its functions, classification and types which are delivered by Mr.Naveen. Then next part, biomimetics is taken throughout the workshop about moulding,testing,coating and tribology.



The amount of water needed to make a t-shirt is enough for one person to stay hydrated for 900 days



## TIE AND DYE

For the first and foremost time the tie and dye and event has been organized in our textile department. And the response and registration was so good. The participants are provided with plain white fabric. The participants were asked to tie and dye the given white fabric by instantly preparing the natural dye in the textile chemical processing lab. And the winners are selected based on the outcome of provided rubrics. And the design presented by the participants.





# **STUDENT'S ACTIVITIES**

ABISHEK M(20BTT001), AKSHAI KUMAR P M(20BTT002), ARYAMAN AGRAWAL(20BTT005), BENITTA NILOFER J(20BTT006), DAYANAND P(20BTT007), DHAMOTHARAN A(20BTT008), DHANUSHKUMAR S(20BTT009), GIRIPRASANTH K P(20BTT011), HARIHARAN R(20BTT012), JOSHIKA S(20BTT015), KALAIMANI K S(20BTT016), KALAIVANAN V(20BTT017), KAMALESH S(20BTT018), KARUNYA A(20BTT019), KAVYA B(20BTT020), KIRUBANANTHAN N(20BTT021) Programme participated on "Advances in microencapsulation for multifunctional textiles" organised by KCT 28.04.2022.

KISHORE K G(20BTT022), NIKESH KUMAR A(20BTT024), NITHISHKUMAR R(20BTT025), NITHISHWARAN J R(20BTT026), PRANESH S(20BTT027), ROOPESH U S(20BTT030), SANJEEV T(20BTT032), SANTHOSHKUMAR S(20BTT033), SARAN KUMAR R(20BTT034), SARUMATHI V(20BTT035), SHAMRITHI B(20BTT036), SHRUTHI R(20BTT039), SRI SUDARSHAN S R(20BTT041), VISHNU VARSA B(20BTT043), NARASHIMA GOWTHAM R(20BTT209), NAVEEN R(20BTT210) Programme participated on "A National Level Project Display Contest (K-TEX TECH CHALLENGE 2022)" organised by KCT 30.04.2022.

> The World's oldest ever woolen cloth was found in Denmark and dates back to 1500 BC



# **STUDENT'S ACTIVITIES**

ABISHEK M (20BTT001), AKSHAI KUMAR P (20BTT002), ANUSHKUMAR A (20BTT003), ARUN SRINIVASAN M (20BTT004), ARYAMAN AGRAWAL (20BTT005), BENITTA NILOFER J (20BTT006), DAYANAND P (20BTT007), DHANUSHKUMAR DHAMOTHARANA (20BTT008), (20BTT009), S DHAYANANTH J (20BTT010), GIRIPRASANTH K P (20BTT011), HARIPRASATH P (20BTT013), JOSHIKA S (20BTT015), KAMALESH S (20BTT018), KARUNYA A (20BTT019), KAVYA B (20BTT020), KIRUBANANTHAN N (20BTT021), KISHORE K G (20BTT022), KISHORE R A (20BTT023), NIKESH KUMAR A (20BTT024), NITHISHKUMAR R (20BTT025), NITHISHWARAN J R (20BTT026), PRANESH S (20BTT027), RAHUL N (20BTT029), ROOPESH U S (20BTT030), SANJEEV T (20BTT032), SANTHOSHKUMAR S (20BTT033), SARAN KUMAR R (20BTT034), SARUMATHI V (20BTT035), SHARAN YOGESH R S (20BTT038), SHRUTHI R (20BTT039), SIDDHARTH D (20BTT040), VISHNU VARSA B (20BTT043), DHINAKAR R (20BTT202), HARINEETHRAJU S (20BTT204), NAVEEN R (20BTT210), PRAVESH S (20BTT212), THANAGURU G (20BTT215), VASANTH KUMAR M (20BTT216), VIJAYARAGAVAN S (20BTT218), VINITHKANNA K.R. (20BTT220), ARYAMAN AGRAWAL (20BTT005), The programme participated Technical Webinar on "Development in Spinning" organized by KCT 14.06.2022.

# **STUDENT'S ACTIVITIES**

ABISHEK M(19BTT015), VENKATESHWARI P(19BTT016), TARUNA R S (19BTT017), SIVASHANKHARAN A M (19BTT019), CHANDRU A S (19BTT021), PARAMASIVAM R (19BTT022), DEEPIKA T (19BTT023), RASWANTH M B (19BTT024), SARANJEEV A (19BTT025), OVIYA M (19BTT026), SMRITHI P S (19BTT028), SUDHIKSHAN C M (19BTT029), SATHISH KUMAR D (19BTT030), RITHIK R (19BTT031), SUGANTH VAIBAV G S (19BTT032), ABHINANDAN S (19BTT033), FAIZUL RAHMAN S ( 19BTT034), SRI SNEHA V (19BTT035), VIKNESHVER V (19BTT036), PRADEEP D N (19BTT037), CHANDRAKUMAR P ( 19BTT038), SUFIYA HALIMA A (19BTT039), NAGUL PRASAD R R (19BTT040), (19BTT041), HARSAVARTHAN MANONMANI Μ А (19BTT042), D ROHITH(19BTT043), SARAN B (19BTT044), PAVATHARINI P (19BTT045), SAMARANJANA R (19BTT046), SANDHIYA N ( 19BTT047), SABAREESWARAN K (19BTT048), KABILAN E (19BTT049), CHIDAMBARA MEENA K (19BTT201), GOWTHAM S (19BTT202), NAFIL REHMAN J (19BTT203), PURUSOTHAMAN V G (19BTT204), SHANMUGA VADIVEL C (19BTT205), SRI MANIKANDAN S J (19BTT206), SURYA C (19BTT207), VAITHIYANATHAN B (19BTT208), VENKATESAN M(19BTT209) GOMUKI T (19BTT001), SURYA PRAKASH J (19BTT002), PRAGATHEESHWARAN V(19BTT003), ASWATH SHANMUGAM V(19BTT004) KAVISRUTHI K(19BTT005), DEEPIKA R(19BTT006), SNEHA S (19BTT007), MANIMARAN K (19BTT008), SINDHOORA R P (19BTT009), HARIHARAN N 19BTT010, KAVYA M (19BTT011), ARUNKARTHICK G (19BTT012), NITISH GOPALA KRISHNAN S(19BTT014) Programme participated on One credit course "Home Textile E-Marketing Technique Organized by KCT 27.06.2022 & 28.06.2022

## STUDENT'S ACHIEVEMENTS

### JOURNAL PUBLICATION

Sharan Kirthik S,( 20BTT037) , Karunya A(20BTT019), Benitta Nilofer J(20BTT006), and Kavya (20BTT020) International В Tittled "Application Journal Oriented Nanotechnology In textile material , International Journal Of Advance Research And Innovative Ideas In Education- (Ijariie), Vol-8 Issue ljariie-lssn(O)-2395-2022 4396, page-405-410". Staff guide Dr.M.Dhinakaran.



# STUDENT'S ACHIEVEMENTS

### JOURNAL PUBLICATION

R(20BTT028),Kishore Priyanka A(20BTT023), Kirubananthann (20BTT021), And Pravesh S(20BTT212) International journal publication tittle "Development Biodegradable Of Textile Composite Materials By Using Natural Fibres And Waste Textiles, International Journal Of Advance Research And Innovative Ideas In Education- (Ijariie), Vol-8 Issue-1 2022 ljariie-lssn(O)-2395-4396,page-397-407". staff guide Dr.M.Dhinakaran.

PUBLISHED A REVIEW PAPER IN E-JOURNAL ON DEVELOPMENT OF BIODEGRADABLE TEXTILE COMPOSITE MATERIALS BY USING NATURAL FIBERS AND WASTE TEXTILES





Pravesh R 2nd Year

KUMARAGURU

Kirubananthan N 2nd Year

> Keep Going Keep Growing

Congratulations!

## CIT HOCKEY TOURNAMENT



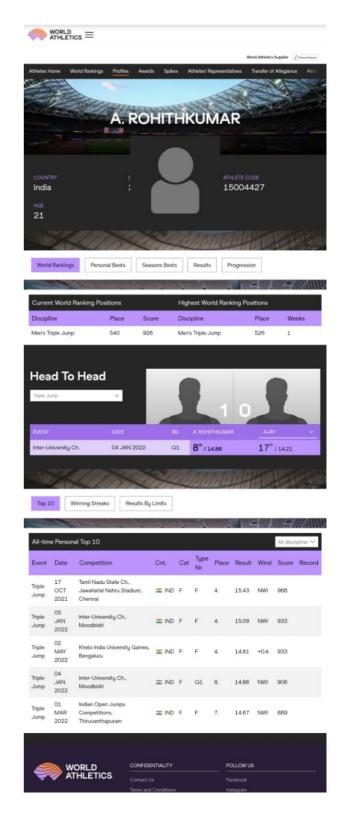


SUDHIKSHAN C M (19BTT029) participated in CIT Trophy on 23.04.2022 and 25.04.2022 conducted at CIT hockey ground and got third in the tournament against CIT hockey team.



RohithKumar A (18BTT001)

He won the 4th place in Senior state athletics meet Triplejump , First Place in Anna university Interzone Athletics meet triplejump , All India University 4th position, Khelo India University 4th position.



#### Manonmani (19BTT041)

She participated in the National level Project Presentation Contest (K-Tex Tech Challenge 2022) Conducted On 29th April,2022

#### Venkateshwari (19BTT016)

- Completed the course on "Experiencing Emerging Technologies" offered by Department of Information Science and Engineering, KCT.
- Participated in technical webinar on "Innovation in Textiles" organized by IE Coimbatore Local Centre and KCT on 25th Jan 2022.
- Participated in technical webinar on "Protective Textile" organized by IE Coimbatore Local Centre and KCT on 25th Jan 2022.
- Certification on completing Associate Quality Professional-3 Level-1 Training Program conducted by RSJ Inspection.
- K-Tex Challenge 2022 National Level Project Presentation Contest conducted by Kumaraguru College of Technology on 29th April 2022.
- Participated in IP Awareness/Training Program under National Intellectual Property Awareness Mission on March 21, 2022.
- Published a review paper entitled "Enzymes in Textile Chemical Processing" in International Journal of Advance Research and Innovative ideas in Education.
- Volunteered for a blood donation camp organised by the VBC Club.

#### **MoUs Signed**

Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Academic Institution / Industry	National / Internationa I	Date of MoU signed	Duration
ΙΤΑΜΜΑ	-	KCT/ITAMMA	National	05.01.2022	5 YEARS

#### Awards Received by Faculty

S.No	Faculty Name	Title of the award / Recognition		
1.	Dr.M.Dhinakaran	Merit-Teaching		
2.	Dr.M.Dhinakaran	Engal Aasan Award		
3.	Ariharasudhan S	Employee Service Recognition		
4.	Dr.Sivakumar P	Employee Service Recognition		
5.	S.Natarajan	Employee Service Recognition		
6.	Dr.Ramesh Babu V	Employee Service Recognition		
7.	Dr.V.Ramesh Babu	Outstanding Faculty In Textile Technology		

### Institutional fund as seed money to faculty for

Research

Name of the Faculty	Amount of seed money	Year of receiving grant	Duration of the grant	Nature of activity
R.Sukanya Devi	25000	2021	12 months	Natural antibacterial Foot scrubber for diabetic patients prototype
Dr.S.Ariharasudhan	95000	2022	2 YEARS	Development of fibre extraction machine and pith making machine
S.Natarajan	85000	2022	2 YEARS	Development of a friction apparatus to assess the frictional performance of surgical sutures
M.Saravanan	100000	2022	2 YEARS	Filter Device for Automotive Sector
R.Sukanya Devi	100000	2022	2 YEARS	Photocatalytic treatment of textile dye effluent and freshwater recovery by using solar stills.



#### **EDITORS**

Dr. V Ramesh Babu , Associate Prof & Head, Textile Technology Dr. S Natarajan, Assistant Professor, Textile Technology

#### **STUDENT EDITOR**



Kavya B (2nd Year) Media And Documentation

