



KUMARAGURU
college of technology
character is life

Department of Textile Technology

NEWSLETTER

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2021



“Textile industry is the automobile industry
of the Middle Ages.
-Barbara W Tuchman

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 equipping them to contribute 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 & 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 well-qualified, 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. 2, Issue.2, bi-yearly publication of Department of Textile Technology that showcases the faculty activities, student activities, research activities, Alumni activities, and programs organized in the Department from July - December 2021. 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

INDEX

S.NO.	CONTENT	PAGE
1	Faculty Activities	4
2	Faculty Awards	8
3	Faculty & Papers	9
4	Department Events	14
5	Student Activities	38
6	Student Achievements	45
7	Student Talents	47

FACULTY ACTIVITIES

Value Added Courses Organized

Dr. S Ariharasudhan, Dr. S Sundaresan, Dr. M Dhinakaran, Dr. P Sivakumar, Dr. P Chandrasekaran, Mr. P Thangeswaran, Dr. M Saravanan, and Mrs. R Sukanyadevi organized Technical Skills for Competitive Exam Preparedness from 26.07.2021 to 07.09.2021 for the Textile Department Faculty Members and Alumni.

Faculty as a Resource person

Dr. S Sundaresan acted as a resource person and delivered a lecture on the topic Basic Application of Statistics in Textile Research: FDP on "Statistical Tools for Textile Research" organized by Textile Department, Osmania University, Hyderabad on 06.07.2021.

Dr. S Sundaresan acted as a resource person and delivered a lecture on the topic Optimization Techniques for Textile Research: FDP on "Statistical Tools for Textile Research" organized by Textile Department, Osmania University, Hyderabad on 07.07.2021.

Dr. S Sundaresan acted as a resource person and delivered a lecture on the topic Statistical Tools Textile Research (Advanced) organized by Textile Department, Osmania University, Hyderabad on 20.09.2021.

Mr. P Thangeswaran acted as a resource person and delivered a lecture on the topic: Erection and Commissioning organized by the Department of Textile Technology, KCT on 28.09.2021.

Dr. V Ramesh Babu acted as Resource person and Delivered lecture on Holistic Method to Assess the Course Outcomes and Program Outcomes of Textile Engineering Program" at 4th international conference on Advances in Textile materials and process (ATMP-2021) organized by Department of Textile Technology. Organized by Department Of Textile Technology, KCT on 19.11.2021.

Dr. S Sundaresan acted as Resource person and Delivered lecture on Constructing Pile fabrics and Double cloth organized by Fashion technology, VIT, Chennai on 15.11.2021.

Dr. Saminathan R acted as Resource person and Delivered lecture on Plasma treatment for enhancing natural dyeing organized by Department Of Textile Technology, KCT on 30.12.2021.

Dr. M Saravanan acted as Resource person and Delivered lecture on Testing in Technical Textiles organized by Department Of Textile Technology, KCT on 30.12.2021.

WORKSHOP / FDP ATTENDED

R Sukanya Devi attended FDP on Statistical Tools for Textile Research from 05.07.2021 to 09.07.2021 conducted by the University College of Technology, Osmania University, Hyderabad.

M Saravanan attended FDP on AICTE Training and Learning (ATAL) Academy Online Elementary on "Advanced Textile Design" from 02.08.2021 to 06.08.2021 conducted by Periyar University, Salem.

M Saravanan attended "AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Textile Design" from 09.08.2021 to 13.08.2021 by Dr. B R Ambedkar National Institute of Technology, Jalandhar.

Dr. V Ramesh Babu, Dr. M Dhinakaran, Dr. S Sundaresan, Dr. S Ariharasudhan, S Natarajan, Dr. P Chandrasekaran, P Thangeswaran, Dr. P Sivakumar, Dr. M Saravanan and R Sukanya Devi attended FDP on "International Seminar IATT 2021" from 27.9.2021 to 01.10.2021 organized by Department of Textile Technology, Kumaraguru College, Coimbatore - 641049.

Dr. V Ramesh Babu, Dr. S Ariharasudhan, Dr. M Dhinakaran, S Natarajan, M Saravanan, S Sundaresan attended a webinar on Smart Textiles for Sensing Application by Dr Aravin Prince Periyasamy, Postdoctoral Researcher, Department of Bioproducts and Biosystems, Aalto University, Finland, organized jointly by KCT Textile department and Institute of Engineers, Coimbatore on 23.07.2021.

R Sukanya Devi attended training on Basic Level Training for Innovation Ambassador (IA) organized by IIcon from 01.07.2021 to 31.07.2021.

Dr. M Dhinakaran attended the guest lecture International webinar on Textiles, Waste as a Resource for Technical Textile Applications conducted by PSG Tech from 29.07.2021 to 30.07.2021.

M Dhinakaran, P Chandrasekaran, S Sundaresan, S Ariharasudhan, attend the guest lecture Total Productive Maintenance (TPM) conducted by A Kanthimathinathan, CEO, WINSYS, SMC Texpark which was organized jointly by KCT Textile department and Institute of Engineers, Coimbatore Chapter on 07.08.2021.

Dr. S Ariharasudhan attended the workshop Best Practices in Scholarly Publications on 19.08.2021.

Dr. S Ariharasudhan attended the workshop Effective Research Writing and Scholarly Publishing on 19.08.2021 and 20.08.2021.

WORKSHOP / FDP ATTENDED

Dr. Sivakumar P attended the Served as NABL Auditor NABL Audit of Interstellar Testing Centre P. Ltd, Panchkula, and Haryana from 11.09.2021 to 12.09.2021.

S Natarajan attended the Training Workshop on Effective Research Paper Drafting for Publication on 18.09.2021.

Dr. V Ramesh Babu, Dr. S Ariharasudhan, S Sundaresan, P Chandrasekaran and M Saravanan, attended the Training Workshop on Spray Drying and Micro Encapsulation on 14.09.2021.

Dr. V Ramesh Babu, Dr. M Dhinakaran, M Saravanan, Dr. S Ariharasudhan, S Natarajan, P Thangeswaran attended the Training Workshop on Modern Manufacturing Methods of Contamination Free Surgical Cotton on 25.09.2021.

M Saravanan attended the Training Workshop on Effective Research Paper Drafting for Publication on 18.09.2021.

Dr. V Ramesh Babu, Dr. S Ariharasudhan, Dr. S Sundaresan and Dr. P Chandrasekaran attended the Training Workshop on Design and Implementation of Outcome-based Curriculum Design and Development from 17.09.2021 to 18.09.2021.

Dr. S Ariharasudhan, Dr. M Dhinakaran, S Natarajan and Dr. P Chandrasekaran attended a webinar on Elements of Yarn Costing and Control Measures on 21.10.2021.

Dr. S Ariharasudhan, S Natarajan, Dr. P Chandrasekaran and Dr. M Saravanan attended a webinar on The Effect of Textiles and Fashion Industry-Impact on Society and Environment on 27.10.2021.

Dr. P Chandrasekaran attended a webinar Workshop on Open Science: a Multifaceted Framework to Improve Science and Health Outcomes on 29.10.2021.

Dr. S Ariharasudhan and S Natarajan attended the Faculty Training Programme "Universal Human Values" from 22.11.2021 to 26.11.2021.

Dr. V Ramesh Babu, Dr. S Ariharasudhan, Dr. P Chandrasekaran, Dr R Saminathan and Dr. M Dhinakaran attended the workshop titled "Comprehensive utilization of Banana Pseudostem for Textile and Other Applications" on 29.11.2021 organized by IEI and Textile Department, KCT.

WORKSHOP / FDP ATTENDED

Dr. V Ramesh Babu, Dr. S Ariharasudhan, Dr. P Chandrasekaran, S Natarajan, Dr. R Saminathan and Dr. M Dhinakaran attended the workshop title "Fabric Costing" on 27.11.2021 organized by Textile Association of India and Department of Textile Technology, KCT.

Dr. Sivakumar P Attended the Seminar for Development Tamil Nadu Handloom and Textile & Setting up of PM MITRA on 23.11.2021 organized by Commissioner of Handlooms and Textiles, Government of Tamil Nadu at South India Textile Research Association, Coimbatore.

Dr. V Ramesh Babu, Dr. S Ariharasudhan, Dr. P Chandrasekaran and S Natarajan attended workshop Title Entrepreneurship and Innovation as Career Opportunity on 30.11.2021 organized by IIC, Coimbatore.

Dr. V Ramesh Babu, Dr. M Dhinakaran, Dr. S Sundaresan, Dr. P Chandrasekaran, Dr. M Saravanan, Dr. S Ariharasudhan, P Thangeswaran, S Natarajan participated a webinar on "Garment Costing" on 21.12.2021

Dr. V Ramesh Babu, Dr. M Dhinakaran, Dr. S Sundaresan, Dr. P Sivakumar, Dr. P Chandrasekaran, Dr. M Saravanan, Dr. S Ariharasudhan, Dr. R Saminathan, P Thangeswaran, participated a webinar on "Exploration and prospectus of wild silks in India" on 27.12.2021 conducted by IE (I) Coimbatore Local center.

Dr. S Sundaresan, Dr. P Chandrasekaran, Dr. M Saravanan, Dr. R Saminathan, P Thangeswaran, FDP on "Incorporating Universal Human Values in Education" from 06.12.2021 to 10.12.2021 in online mode conducted by AICTE.

DID YOU KNOW

Archeologists have identified very early sewing needles of bone and ivory from about 30,000 BC, found in Russia in 1988.

AWARDS RECEIVED BY FACULTY

Dr. M Dhinakaran received the Best Teacher award from Kumaraguru College of Technology on 09.05.2021.

Dr. M Dhinakaran received the Engal Aasan award from Kumaraguru College of Technology on 09.05.2021.



I have learned that each and every piece of cloth embodies the spirit, skill, and personal history of an individual weaver. . . . It ties together with an endless thread the emotional life of my people.
— Nilda Callanaupa Alvarez

GRANT RECEIVED

Mrs. R.Sukanya Devi as Principal Investigator received a grant of Rs.10,000/- for the Research project on "Product development" funded by Student Re Funding.

PH.D VIVA VOCE EXAMINATION

Name of Student	Registration No.	Date of Registration for <u>Ph.D</u>	Name of University	Name & the Department of Guide	Date of completion of Ph. D	Full time / Part time
A Arunraj	21135697139/Ph.D./AR15	Sep-21	Anna University	Dr. V Ramesh Babu/Textile	2026	Part time

PAPERS PUBLISHED BY FACULTY

Dr. S Ariharashudhan, Dr. V Rameshbabu, Dr. P Chandrasekaran, Dr. S Sundaresan published Modified Cotton Needle Punched Nonwoven Fabric for Liquid sorption. Man-Made Textile in India, Vol.XLIX, No.7.

Dr.V.Ramesh Babu Study of Thermal Comfort Properties of Different Kinds of Polyester Knitted Fabrics. FIBRES & TEXTILES in Eastern Europe 2021; 29, 5(149): 50-55. DOI: 10.5604/01.3001.0014.9297 International.

Dr. V Ramesh Babu "KMRSE'21" an international conference "Investigating the effect of laundering on the polyester/cotton sewing thread mechanical properties" conducted from 23.07.2021 to 25.07.2021.

Dr. V Ramesh Babu "KMRSE'21" an international conference "Measurement of garment dimension based on switching median filter used in image processing" conducted on from 23.07.2021 to 25.07.2021.

Dr. S Ariharasudhan "KMRSE'21" an international conference "Study of Banana/Cotton Blended Nonwoven Fabric for Lead and Zinc Adsorption" was conducted from 23.07.2021 to 25.07.2021.

Dr. M Dhinakaran "KMRSE'21" an international conference "Effect Of Alkali Pretreatment On Dying Behaviour Of Lyocell Fibre "conducted from 23.07.2021 to 25.07.2021.

Dr. S Sundaresan "KMRSE'21" an international conference "Comfort behavior of woven sheeting fabrics" was conducted from 23.07.2021 to 25.07.2021.

Dr. S Sundaresan "KMRSE'21" an international conference "Behavioral study of composite made from Sisal -Jute - kenaf yarn" was conducted from 23.07.2021 to 25.07.2021.

R Sukanya Devi "KMRSE'21" an international conference "Development of fluid absorption and wet back tester for absorbent pads" was conducted from from 23.07.2021 to 25.07.2021.

R Sukanya Devi "KMRSE'21" an international conference "Adsorption Of Acid Dyes from Wastewater Using Azadirachta Indica Neem (Leaf) Biochar" was conducted from 23.07.2021 to 25.07.2021.

M Saravanan "KMRSE'21" an international conference "Development of Herbal Doped Electrospun mat for Hemorrhoids" was conducted from 23.07.2021 to 25.07.2021.

PAPERS PUBLISHED BY FACULTY

Dr. P Chandrasekaran "KMRSE'21" an international conference "A study on composite materials for roofing applications" was conducted from 23.07.2021 to 25.07.2021.

Dr. S Sundaresan "Advances in materials, manufacturing and simulation (AMMS 2.0)" a National conference on Design and Development of Pressure Meter for Compression Bandage in Static State conducted from 06.08.2021 to 07.08.2021.

Dr. S Sundaresan "Advances in materials, manufacturing, and simulation (AMMS 2.0) " a national conference on Application of Plasma Treatment on Zari Yarn Manufacturing Process conducted from 06.08.2021 to 07.08.2021.

Dr. V Ramesh Babu, Sivakumar P, Prakash C, and Saravanan, D (2021) Development of Secondary Layer of Wound Dressing Material Using Chitosan and Investigation for Hemostatic Efficiency. *Journal of Natural Fibers*, 1-7.

Dr. M Saravanan Development of eco - banner, *Asian Textile Journal*, Vol.30/Issue 7-8, Pages-56-61.

Dr. S Ariharasudhan Mnashree Saikia, Nabaneeta Gogoi, Smita Bhuyan, Dr. V Ramesh Babu (2021) Evaluation of Physical and Mechanical Properties of Bhindi Jute- Blended Fabric and Development of Eco-Friendly Products, *Journal of Natural Fibers*, DOI: 10.1080/15440478.2021.1961338.

S Natarajan, Dr. V Ramesh Babu & Dr. S Ariharasudhan "Investigating the braiding parameters and their effects on the mechanical and frictional properties of silk sutures", *Journal of Industrial Textiles*, Impact factor 3.732, Scopus / Web of Science / SCI.

Dr. M Saravanan "Development of Thespesia Populnea Doped PVA Electrospun Mat for Biocompatibility Studies, *Journal of Natural Fibres*, Impact Factor 5.32, Scopus / Web of Science / SCI.

Dr. V Ramesh Babu VALUE STREAM MAPPING IN GARMENT MANUFACTURING - A CRITICAL REVIEW, *JARIIE-ISSN(O)-2395-4396*, Vol-7 Issue-6 2021, 543-549, National .

Dr.S.Ariharasudhan "Development of Thermoregulated Fabric Using Phase Change Material - A Critical Review, *IJARIE*, Vol-7, Issue-6, 2021, 1072-1075 -ISSN(O)-2395-4396, National.

PAPERS PUBLISHED BY FACULTY

Dr. S Ariharasudhan "Development of Thermoregulated Fabric Using Phase Change Material - A Critical Review, IJARIE, Vol-7, Issue-6, 2021, 1072-1075 -ISSN(O)-2395-4396, National.

M Dhinakaran An Investigation of Air Vortex Yarn with Different Blend Proportion Vol-7 Issue-6 2021, IJARIE-ISSN(O)-2395-4396, National.

M Dhinakaran Design and Development of Composite based on the Roselle Fibre, Vol-7 Issue-6 2021, IJARIE-ISSN(O)-2395-4396 National.

M Dhinakaran, Comparison of Ring Rotor and Air Jet Yarn (Same Count) on the Absorption behaviour of Terry Towels Vol-7 Issue-6 2021, IJARIE-ISSN(O)-2395-4396, National.

M Saravanan Development of Handy Heating Pad for Pain Relief/IJARIE/7/6/1331-34/ISSN(O)-2395-4396, Mr.P.Kaleeswaran, Zen Linen International, Andhra Pradesh, National.

M Saravanan "KMRSE'21" an international conference "Water Repellent Cloth carry bags for Packaging applications " was conducted from 23.07.2021 to 25.07.2021.

M Saravanan, An Attempt to Design and Develop Antiskid socks/IJARIE/7/6/1173-76/ISSN(O)-2395-4396, Mr.B.Preethi, Krishna Tex, Tirupur, National.

DID YOU KNOW

In the world of Indian Handloom Fabric, indigo happens to be one of the oldest dyes, that was made with plants. In India, blue indigo is the most prized possession, since India is a home of Indigofera Tinctoria plant that produces an enormous amount of blue dye.

PAPERS REVIEWED BY FACULTY

Dr. V Ramesh Babu

- The Effect of Electrospinning Setup on the Surface Energy of Polycaprolactone Nanofiber Layers, Textile Research Journal.
- The Functionalization of Selected Functionalizing Agents on a Polypropylene Fiber and the Study on the Physical Properties of the Functionalized Fiber, Textile Research Journal.
- Numerical Prediction of The Heat Transfer in Air Gap of Different Garment Models, Autex Research Journal, International.

Dr. S Sundaresan

- Effect of Alkaline Hydrolysis on the Low-Stress Mechanical Properties of Polyester Cotton Blended Weft Knitted Fabrics, Textile Research Journal.
- Investigating the Braiding Parameters and their Effects on the Mechanical and Frictional Properties of Silk Sutures, Journal of Industrial Textiles.
- Study on the Accelerated-point Distribution of the Floating Fibers in the Drafting Zone, Textile Research Journal.
- Comparative Study of Linear and Quadratic Model Equations for Prediction & Evaluation of Surface Roughness of a Plain-Woven Fabric, Research Journal of Textile and Apparel.
- Effect of the cover factor on the tensile properties of multi-core flax/polypropylene micro-braided hybrid yarns for thermoplastic biocomposites, Journal of Industrial Textiles, International.
- Novel composite yarn with wavy-network structure produced by various delivery speed ratios and untwisting factors Textile Research Journal.

Dr. S Ariharasudhan

- Modulating the Structural Characteristics of Layered Nonwoven Fabrics devised by Fiber Fineness for Enhanced Filtration Performance, Journal of Industrial Textiles.

PAPERS REVIEWED BY FACULTY

M Saravanan

- "COVID-19: Textile sector's preparedness to combat the current shortfall of PPE" Journal of Industrial Textiles.
- "New manufacturing process to develop antibacterial dyed polyethylene terephthalate braided sutures using plasma functionalization and chitosan immobilization" Journal of Industrial Textiles.
- "Development of fabric electrode for biopotential signal acquisition in wearable health monitoring and effect of perspiration on signal acquisition" Journal of Industrial Textiles
- "New Manufacturing Process to develop Antibacterial dyed Polyethylene terephthalate braided sutures using Plasma functionalization and Chitosan immobilization" Journal of Industrial Textiles
- "New manufacturing process to develop antibacterial dyed polyethylene terephthalate braided sutures using plasma functionalization and chitosan immobilization", Journal of Industrial Textiles
- "A Study on Role of Eco Textiles in Fashion and Apparel Industry", Journal of the Textile Association.

Dr. R. Saminathan

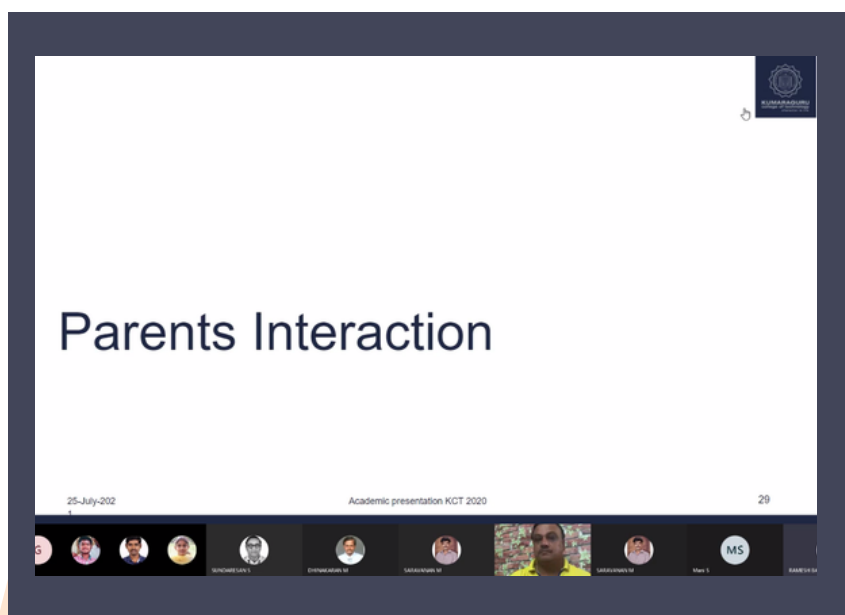
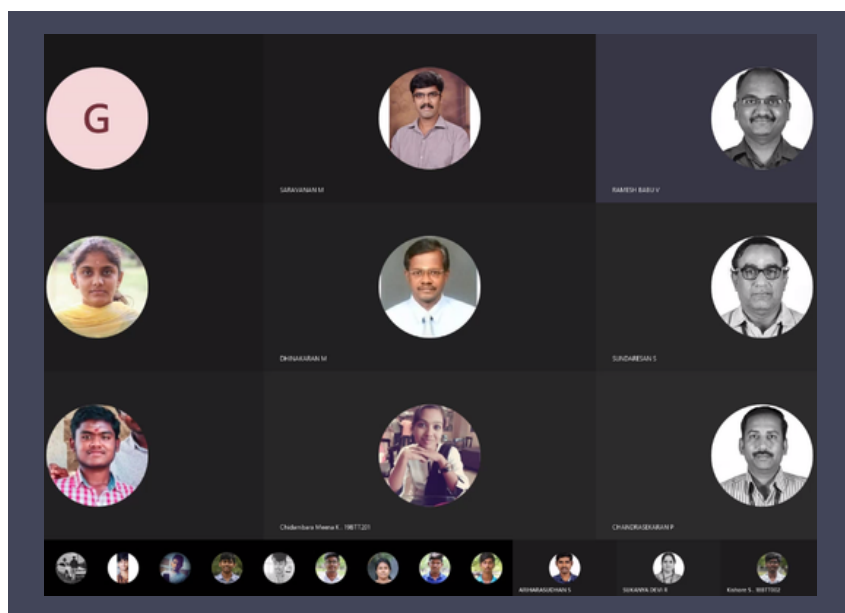
- High color yield, kinetics, and multifunctional finishing of textile materials with extraction from renewable biomass resources, Arabian Journal of Chemistry, International.
- Bimetallic MOFs /Waste Cigarette Filters derived Carbon Foam as a Freestanding Electrode Material for Highly Effective Electrosorption of Organic Dyes, Journal of cleaner Production, International.
- Printing performances of a new nitrogen-free urea substitute in silk printing of reactive dyes, Textile Research Journal, International.
- Printing performances of a new nitrogen - free urea substitute in silk printing of reactive dyes, Textile Research Journal.
- Analyzing thermal aging properties of clothing materials for hot climate region Academia Letters.

EVENTS CONDUCTED

PARENTS MEET

More than Eighty parents of 2019 and 2018 Batch of B. Tech. Textile Technology students were assembled online for the Department parent's meeting. Mr. Suryaprakasavel, a Final year student welcomes all the parents, faculty members, and students for the meeting. Head of the Department Dr. V. Ramesh Babu gave a warm welcome note and set the context of the presentation namely the Agenda for the meeting about the Department, faculty profile, department facilities, achievements, Teaching/Learning and Assessment, Students Involvement, Placements, and Higher studies and last part of the meeting was Parents Interaction. Dr. V. Ramesh Babu and all the concerned faculty members explored all the academic progress as per their role to the parents with a PowerPoint presentation that is inclusive of Vision and Mission of the Department, Undergraduate PEO's and PSO'S, Department laboratory facilities, Teaching-Learning and Assessments during this pandemic, Department Association, Student and Faculty accolades, Placements, Higher studies overview and various student achievements in the past in it. The meeting was mostly taken forward with the interaction of parents to all the faculty members and they were clarified various points comprised of queries related to placements, internship, higher studies, student participation changes in online activities, etc. The meeting ended up with a vote of thanks by Dr. M. Saravanan, 2018 Batch Class Advisor to all the parents, faculty members, and students for joining in the meeting.

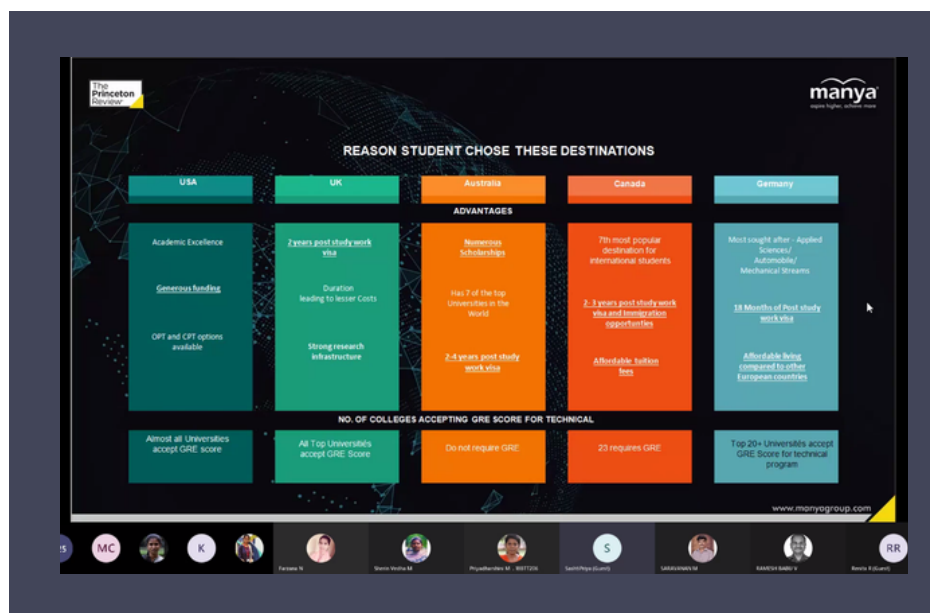
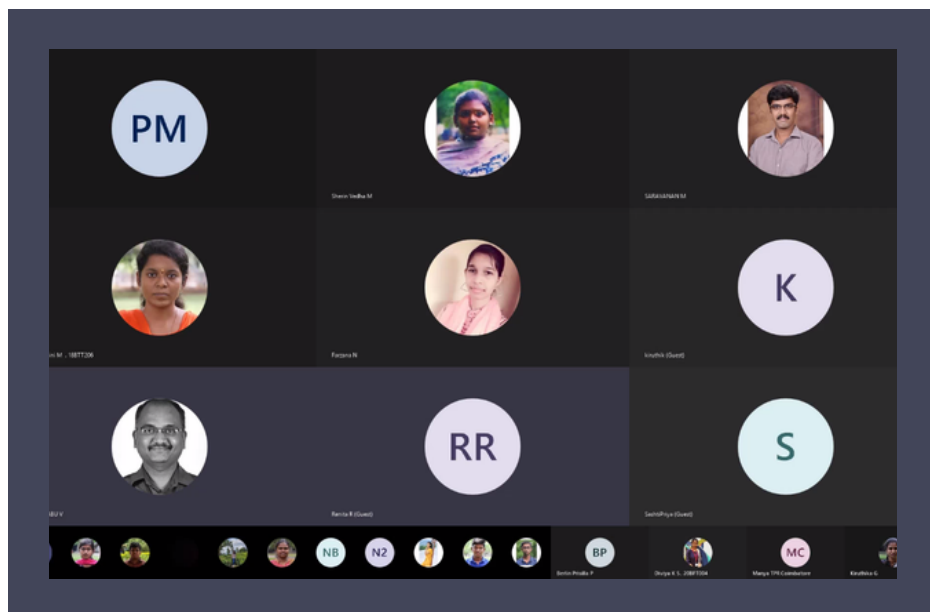
To give information on academic progress and understand the parent's scenario about online classes. The parents might have acquired the knowledge on online teaching-learning mode and changes undergone in the last academic year.



WEBINAR ON HIGHER STUDIES OPPORTUNITIES AND ADMISSION PROCESS IN ABROAD

2019 and 2018 Batch of B. Tech. Textile Technology students and B.E/B.Tech/MBA from other Department students were given motivation, awareness, and career guidance talks soon after the completion of UG/PG by an eminent expert team from Manya - The Princeton Review, Coimbatore. They gave most of the technical guidance in the form of PowerPoint talks to the participants to think about higher studies planning Abroad after completing their UG programs or PG programs from KCT.

Experts Ms. Sashtipriya and Ms. R Renita from Manya - The Princeton Review, Coimbatore have handled the session and explored on the agenda; Why Study Abroad? Courses and Country preference for Textile Students, the Admission Process, all you need to know about test Preparation, how we can help you? and part of the session allocated exclusively for Q & A session to clarify and explain the participant queries. The session explored and briefed the Top universities along with destinations for Textile Engineering around the world namely NCSU (USA), University of Nebraska-Lincoln (USA), Saxion University (Netherlands), University of Bolton (UK), University of Leeds (UK), Dresden University of Technology (Germany) which offers some of the Courses offered in Textile engineering namely, Fashion and Textile Management, Fashion and Textile Design, Textile Engineering, Textile Technology, and Polymer and Color Chemistry. The tests essential to get admission Abroad has also been explored along with other key discussions such as the key highlights and developments in the UK post-COVID pandemic and financial aid-scholarships, etc.



The session also summarizes the start preparation for the tests GRE, IELTS, TOEFL, and GMAT, etc. They shared about the travel experience both abroad and in India where they successfully many UG students to pursue their higher studies Abroad during the session. The program was organized by Dr. M. SARAVANAN, Asst. Prof. I, Department of Textile Technology, KCT after getting approval from HOD and Principal. Students understand the Global University norms and their rankings, eye-opening on the Admission process. Students acquired sufficient information on the various University details and unique studies opportunities for doing masters Abroad & the various admission, documentation procedures, and processes.

WEBINAR ON SMART TEXTILES FOR SENSING APPLICATIONS

A webinar was organized by the Textile Technology Department on the topic Smart Textiles for Sensing on 23.07.2021, between 5.00 pm and 6.00 pm. The resource person for the session was Aravin Prince Periyasamy, Ph.D., Postdoctoral Researcher, Department of Bioproducts and Biosystems, Aalto University, Finland. The conveners for the webinars were Dr.V. Ramesh Babu who is the Associate Professor & Head of Textile Technology, Dr.M.Dhinakaran who is the Senior Associate Professor Textile Technology, Kumaraguru College of Technology. Dr. P R Natarajan Chairman, IE(I), Coimbatore Local Centre, addresses Aravin Prince Periyasamy and also all the students and faculty. The presidential address was given by Dr. V Ramesh Babu and the introduction of the Chief Guest was done by Dr.M.Dhinakaran. Dr.Aravin Prince Periyasamy, a graduate in Textile Engineering B.Tech, M.Tech from Anna University Chennai, and Ph.D. & post-doctoral in Textile Techniques and Material Engineering from Technical University of Liberec, Czech Republic with more than 15 years of experience in research, is currently serving as Postdoctoral Researcher in Department of Bioproducts and Biosystems, Aalto University, Finland (since April 2021).

The webinar was attended by about 43 participants, including the students from IV-year, III-year, II year of Textile Technology, Kumaraguru College of Technology. Research scholars from other institutions, faculty members from our institution had also attended the webinar. The webinar gave an idea about the definition and classification of Chromic Phenomena, photo chromium, and the means to measure photochromic materials.

A roll of temperature on photochromic behavior, photostability measurement, security print was also explained. The ppt deck and a participation E-certificate was emailed to all the participants. Finally, in his vote of thanks, Dr. H Rammohan Honorary Secretary IE(I), Coimbatore Local Centre appreciates the chief guest for his lecture. The outcome of the event is that the student learned about the uses, advantages, and disadvantages of photochromic materials.

DID YOU KNOW

Generally, clothes can take up to 40 years to decompose.

INTERNATIONAL MEMORANDUM OF UNDERSTANDING (MOU) CEREMONY BETWEEN KCT AND BUFT

Memorandum of Understanding (MOU) Ceremony between Kumaraguru College of Technology (KCT), Coimbatore, India & BGMEA University of Fashion & Technology (BUFT), Dhaka, Bangladesh was signed on 11th August 2021 at noon in virtual MS teams Platform.

Foreign Delegates Founder Chairman, Vice-Chancellor, Pro-Vice-Chancellor, Dean - Faculty of Textile Engineering of BGMEA University of Fashion and Technology (BUFT), Dhaka, Bangladesh and Principal, Head of the Department of Textile Technology, Heads of other Departments of Kumaraguru College of Technology (KCT), India, other KCT delegates and all the faculty members of both KCT, India, and BUFT, Bangladesh were present for the International MoU Signing Ceremony that happened. Sixty plus delegates of both the Institutions and others from both the nations graced the occasion with their presence for this International MOU ceremony. Students from both the Institutions were also present for this MOU ceremony. Final year student Ms. Hema Aswini, moderator for this MOU ceremony welcomes everyone and all the gatherings and gives an introduction of both the Institutions. The welcome address was given by Dr. M. Saravanan, Textile Department Foreign Relations Incharge gave welcome address followed by Dr. V. Ramesh Babu, Head of the Department of Textile Technology, Kumaraguru College of Technology, India express sincere gratitude to Shri Shankar Vanavarayar, Joint Correspondent and Dr. D. Saravanan, Principal of KCT and thankful to Pro-Vice-Chancellor & Vice-Chancellor of BUFT for their support in the success of this MOU signing ceremony and explored about the MOU which is inclusive of performing Joint industrial projects and joint research activities.

KCT announces collaboration with BGMEA University



The Covai Mail

Kumaraguru College of Technology's Textile Technology department has signed an MoU with BGMEA University of Fashion and Technology (BUFT), Dhaka, Bangladesh, recently.

D. Saravanan, Principal, KCT, and Prof.S.M. Mahfuzur Rahman, Vice Chancellor, BUFT, signed the MoU which will facilitate student exchanges from both sides,

enabling them to study a semester abroad in the partnering institution, to undergo internships and to conduct graduation projects in apparel and textile industries of host countries and conduct faculty training programs, to foster joint industrial projects and research initiatives, and exchange of academic information between KCT and BUFT. Faculty members from both institutions were present during the proceedings.

Dr. D. Saravanan, Principal, Kumaraguru College of Technology, India delivers the Principal Address elaborating opportunities for Faculty training programs between BUFT and KCT. He threw glimpses on this MOU provides opportunity for arranging workshops, exhibitions, special lectures, performing Joint industrial projects, and joint research activities. The institutions will mutually agree to exchange information, faculty, and students in both academic and research programs. Prof. Dr. Engr. Ayub Nabi Khan, Pro-Vice-Chancellor, BGMEA University of Fashion and Technology (BUFT), Bangladesh started with greetings of all dignitaries both BUFT and KCT, and explore about the MOU that provide faculty, students, and staff of both institutions with an opportunity to improve concerning academic programs, research activities and Ph.D. supervisions.

KCT signs MoU with Bangladesh university

Kumaraguru College of Technology (KCT) signed an MoU with BGMEA University of Fashion and Technology (BUFT), Dhaka, Bangladesh, to facilitate student exchanges. D Saravanan, KCT principal, and S M Mahfuzur Rahman,

vice-chancellor of BUFT, signed the MoU in a virtual event held recently. Besides exchange of academic information, the MoU will enable students to study a semester abroad in the partnering institution and undergo internships.

Students will be able to conduct graduation projects in apparel and textile industries of host countries. Faculty training programmes to foster joint industrial projects and research initiatives are also part of the MoU.

Prof. Dr. S.M. Mahfuzur Rahman, Vice-Chancellor, BUFT, Dhaka, Bangladesh delivers the Special Address emphasized the scope of this MOU for the mutual betterment and development of both the Institutions.

Representative of Kumaraguru College of Technology (KCT), Coimbatore, India Dr. D. Saravanan, Principal and Representative of BGMEA University of Fashion & Technology (BUFT), Dhaka, Bangladesh Prof. Dr. S.M. Mahfuzur Rahman, Vice-Chancellor have agreed and signed the MOU document to strengthen the bonds between two institutions.

Mr. Muzaffar U Siddique, Founder Chairman, Board of Trustees, BUFT, Dhaka, Bangladesh gave the Chief Guest address highlighting the significance of this MOU between the Institutions in terms of the Faculty Exchange & Development Program, Student Exchange, Internship and Graduation Project, Joint Research Conference and Publication, etc. and all other mode of Cooperation. The Vote of Thanks was given by Prof. Dr. Engr. Abu Bakr Siddique, Dean - Faculty of Textile Engineering, BUFT, Dhaka, Bangladesh to all the MOU meeting gatherings as an official closing to the MOU signing ceremony.

To cooperate in the further development of the institutions, especially regarding academic programmes, research activities and PhD. supervisions and to provide faculty, students, and staff with an opportunity to improve their intercultural competences.



WEBINAR ON ASSOCIATE QUALITY PROFESSIONAL TRAINING PROGRAMME

2018 Batch (Placement aspirants) of B. Tech. Textile Technology students were given awareness and career guidance talks by eminent experts from RSJ Inspections Pvt Ltd., Bangalore on 29.07.2021. They gave most of the key discussion contents on Quality personnel skill development. The session was a technical guidance in form of power point talks to the participants to think about free AQP training programme offered by RSJ Inspections in virtual mode to all UG students for enhancing their soft skills, communication and presentation skills, quality and inspection basic tools, etc. for planning their career as QC and QA based job profile as well for all other Job roles in Industry. An eminent expert team consists of Mr. Prasanna, Mr. Sarath Chandran Ramakrishnan and other competent authorities from RSJ Inspections, Bangalore have handled the session and explored on the various prospects of the upcoming training programme scheduled from 31.07.2021. The session explored and briefed the AQP training program and the influence in the individuals through video clips and demonstration videos of earlier program participants. The session also summarizes the various possibilities for the AQP training program participants to experience namely YouTube channel and online video delivery, interaction with participants around India, teamwork, team interview, leadership, etc. They shared about the travel experience both abroad and in India where they successfully built students carrier through these type of training activities.

Students understand and acquired information on the various benefits and the importance of the AQP Training Program. Students acquired the scope and the value of the AQP Training Program by M/s RSJ Inspections for enrichment in their Career Process as Quality Personnel.



DID YOU KNOW

The global textile industry is changing to meet the needs of the new market. With new trends in technology, non-woven materials, domestic sales, green textiles and environmental sustainability, textiles will no longer just be clothing anymore. These new trends have started to increase growth in the market as well.

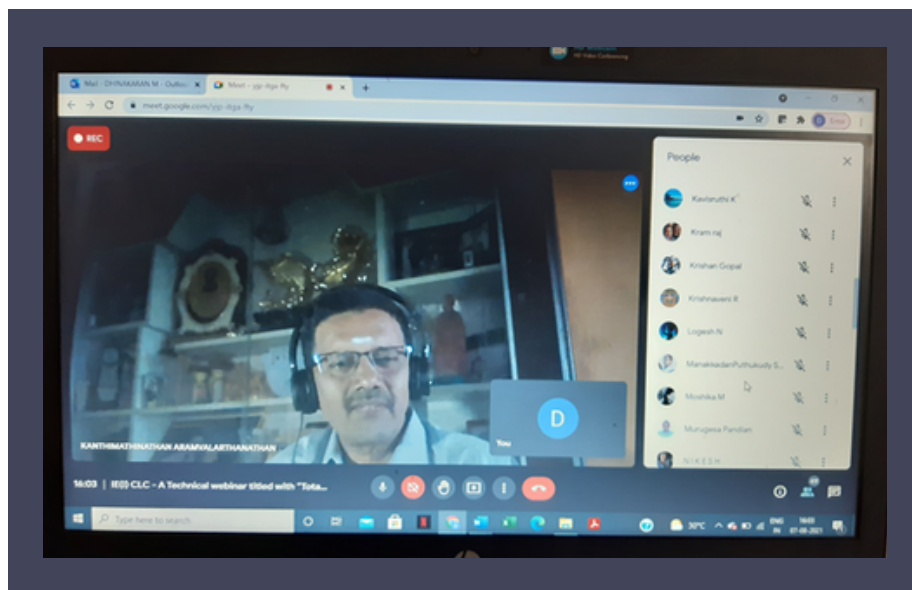
WEBINAR ON ASSOCIATE QUALITY PROFESSIONAL TRAINING PROGRAMME

Welcome Address by Dr. P R Natarajan Chairman, IE(I), Coimbatore Local Centre in his speech he welcomes all the students and staff, and all so he welcomes A.Kanthimathinathan, CEO,WINSYS, SMC Texpark, Civil AeroPost,Coimbatore-641014,

Presidential Address by Dr V Ramesh Babu, Associate Professor and Head Department of Textile Technology,Kumaraguru College of Technology & Introduction of the Chief Guest was given by Dr.M.Dhinakaran, Sr.Associate professor, Textile department in his speech. A.Kanthimathinathan a

postgraduate in Textile Engineering M.Tech from Anna University Chennai, he is having more than 30 years of experience in industry. A webinar was organized by the Textile Technology Department on the topic Total Productive Maintenance (TPM)" on 7.08.2021, between 4.00 pm to 5.00 Pm. The resource person for the session was A.Kanthimathinathan,CEO, WINSYS, SMC Texpark, Civil Aero Post,Coimbatore-641014,

The Conveners for the webinars were Dr.V. RAMESH BABU Associate professor & HEAD/ Textile technology, Dr.M.DHINAKARAN, senior Associate Professor Textile Technology, Kumaraguru College of Technology, Coimbatore-49. The webinar was attended by about 76 participants, by the students from IV-year, III-year, II year of Textile Technology, Kumaraguru College of Technology. Research scholars from other institutions, faculty members from our institutions had also attended the webinar. The webinar contents and speech were well received by the participants and they gave very good feedback about the webinar.



The webinar gave an idea about. he explain about Definition & Classification, about Maintenance, he also explain, what is learning goals of maintenance, 1.Need of maintenance,2.1st generation of maintenance, 3.IInd generation of maintenance,4.Total productive TPM 5. 8 pilers of TPM.6.Stage of Implemantation,7.OEE & MTTR. He all so explain need of TPM.Type of maintenance, plan & preventive TPM The PPT send to participants to their respective Email id, also an E- Certificate for participation was sent to the participants through their mail Id.

Valedictory Address

Finally, the Vote of Thanks by Dr. H Rammohan Honorary Secretary IE(I), Coimbatore Local Centre in his speech he appreciates the chief gust for his speech about the, TPM it is very useful for industry people.

The outcome of the event is the students able to know the, how maintenance implemented in spinning mill, the 7th sem kct students going to study the maintenance subject so it is very use full for them

DID YOU KNOW

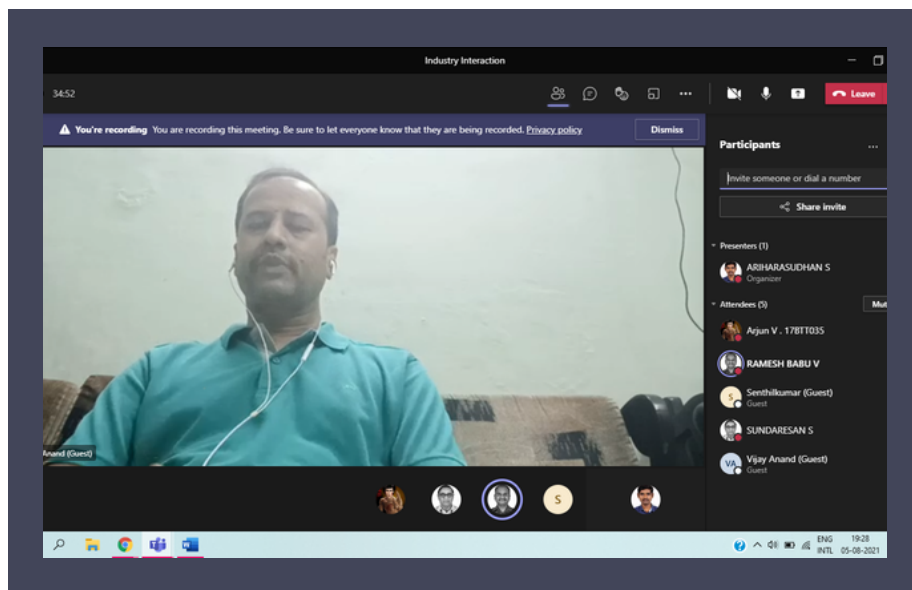
95% of textiles can be recycled.

INDUSTRY INTERACTION FOR CONSULTANCY AND PRODUCT DEVELOPMENT INITIATIVE

Welcome Address by Dr.V.Ramesh Babu, Associate Professor & Head, Department of Textile Technology, Kumaraguru College of Technology, Coimbatore. In his speech, he welcomes all the staff, industrial persons and alumni.

Then he switched over to open forum to discuss the industrial problems and further process.

The outcome of the meeting is to collect the various issues of their industry w.r.t raw material. In first step we asked to send a sample for analysis for further discussion.



INTERACTION FOR COLLABORATIVE RESEARCH ON SUGARCANE BAGASSE BASED TEXTILES



A meeting was held with Dr.P.Govindarajan Principal Scientist at ICAR - Sugarcane Breeding Institute, Dr.V.Ramesh Babu HOD, Dr.S.Sundaresan, Dr.S.Ariharasudhan, and Dr.P.Chandrasekaran of Textile Technology, KCT, CBE, at ICAR/CBE on 27.08.2021 to explore the opportunities to do collaborative research on Sugarcane Bagasse Based Textiles.

The outcome of the meeting is to collaborative research possibilities with KCT - Textile and ICAR-SBI.

The following points were discussed

1. Development of Composite panel using energy sugarcane bagasse
2. Development of Pith cake using energy sugarcane bagasse, Coco pith and energy sugarcane bagasse.
3. Development of fibre extraction from energy sugarcane bagasse, Conversion of fibre to yarn and to fabric.
4. Discussed the possibilities of having Collaborative project with ICAR in the area of product development using energy sugarcane bagasse.
5. Discussed the possibilities of ICAR as Coprincipal investigator for the funding project applied from Textile department to various funding agencies
6. Requested to provide raw materials (energy sugarcane bagasse) for developing the composite panel and Pith cake using energy sugarcane bagasse through the mode of student's project initially.

DST SEED PROJECT - ORIENTATION PROGRAM FOR BENEFICIARIES

Departments of Textile Technology and Civil Engineering of KCT has successfully organized an awareness program for silk dyers in Sirumugai on 06.09.21 following all necessary Covid protocols. It was an introductory program about the project titled "Ecofriendly cost effective silk dyeing technology for rural women upliftment of Sirumugai weaving cluster" funded under Women Scheme by Department of Science and Technology (DST) - Science for Equity Empowerment and Development (SEED) division, Government of India. There were about 25 participants in the program, all of whom were local dyers of Sirumugai. Ms.Vaishnavi Muralidharan, Project Assistant, welcomed and introduced the project to the gathering. The events in the past that led to the reception of financial support for carrying out the project were shared with the audience. Mrs.Visalakshmi of SRS weavers co-operative society, Sirumugai played an important role of ice breaking since she was institutional in establishing contact with the beneficiaries. She explained the reason for which the project was proposed and the continuous efforts taken by the core project team in obtaining the fund for carrying out a project for the betterment of the lifestyle of the beneficiaries. The objectives of the project were explained by the Principal Investigator of the project Mrs. R .Sukanya Devi, Assistant Professor, Textile Technology, contributing to dyeing machine development and Co-Principal Investigator Dr. A Geethakarathi, Associate Professor, Civil Engineering, who is developing the effluent treatment plant. The project aims at providing cost effective dyeing machine for enhancing the work environment of the dyers and an effluent treatment plant to treat the wastewater discharge using low cost treatment technologies.

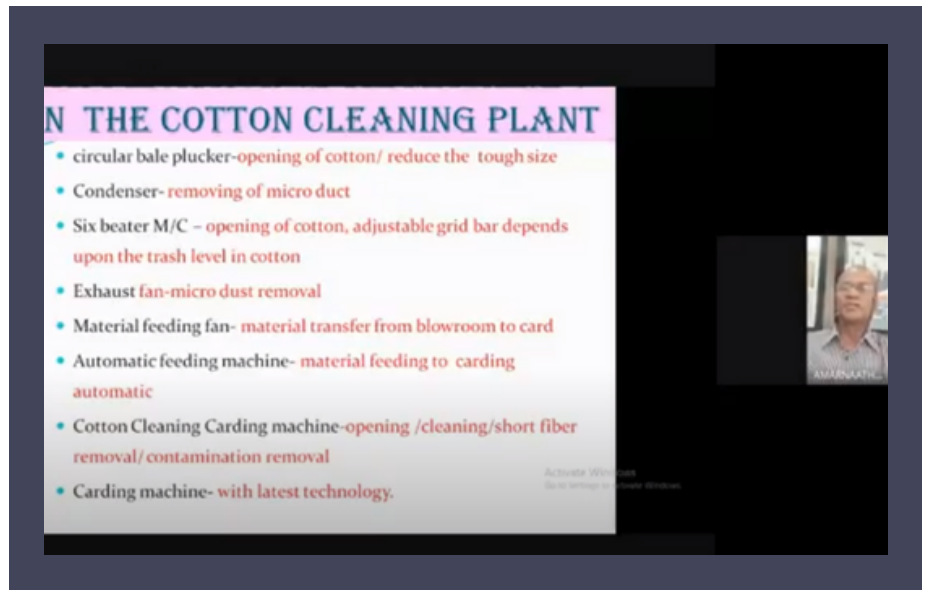


A survey on current dyeing practices was conducted by Ms.Vaishnavi Muralidharan to understand the traditional dyeing process followed in Sirumugai. A questionnaire was framed to cover personal details, work experience, study of current working process, basic health details and a final open question regarding their views on the shortcomings of the current dyeing practice and the modifications that is expected from the project to solve their concerns. This was followed by a discussion pertaining to feedback and expectations from the dyers in execution of the project along with clarification of doubts. There was an overwhelming response and keen interest shown by the dyers in adapting the proposed machines. The vote of thanks was proposed by Ms.Vaishnavi Muralidharan summarising the key discussions and plans on creating a medium for communication on social media platform.

The event was a fruitful one and enabled project team in establishing a rapport with Sirumugai dyers. Survey was conducted and their individual requirements and criticisms were noted. The event has helped in identifying the needs of Sirumugai dyers and has led to better designing of the machines to cater to the needs of the dyers exclusively.

MODERN MANUFACTURING METHODS OF CONTAMINATION OF FREE SURGICAL COTTON

Departments of Textile Technology jointly with Institute of Engineers (I), Coimbatore Local Centre has conducted a webinar on "Modern manufacturing methods of contamination free surgical cotton" on 25.09.2021, between 4.00 PM to 5.00 PM. The resource person for the session was B Soundarajan (CEO), Amarnaathh Engineering, Coimbatore. The Conveners for the webinars were Dr.V. RAMESH BABU Associate Professor & Head/ Textile technology, Dr.M.DHINAKARAN, senior Associate Professor Textile Technology, Kumaraguru College of Technology, Coimbatore-49. The webinar was attended by about 64 participants, by the students from IV-year, III-year, II year of Textile Technology, Kumaraguru College of Technology. Research scholars from other institutions, faculty members from our institutions had also attended the webinar. The webinar contents and speech were well received by the participants, and they gave very good feedback about the webinar. The webinar gave an idea about. Definition & Classification, about surgical machinery, he also explain , absorbent cotton roll making plant , cotton pre cleaning process ,type of machine and department, objective & purpose of bleaching. Automatic surgical cotton making plant, Ear buds making machine. Type of Cotton used in the process is 16 to 20 mm and mic value is 4.5, they also produced Nonwoven making machine, Zig zag making machine The PPT send to participants to their espective Email id, also an E- Certificate for participation was sent to the participants through their mail Id.



Finally, the Vote of Thanks by Dr. H Rammohan Honorary Secretary IE(I), Coimbatore Local Centre in his speech he appreciates the chief gust for his speech about how to set up the, free contaminated surgical cotton roll plant it is very useful for industry people and new entrepreneur. The outcome of the event is the students able to know the, how to set up a free contaminated surgical cotton roll plant, so that it is very use full for final year students.

DID YOU KNOW

Mumbai, the capital city of Maharashtra was the leading cotton textile producing center in India during British rule. Ahmedabad at present is considered to be the Manchester of India.

TRAINING PROGRAM ON SPRAY DRYING AND MICRO ENCAPSULATION

A training program on spray drying and microencapsulation was jointly conducted by the Departments of Textile Technology and Civil Engineering on 14.09.2021 at Textile Chemical Processing Laboratory. There were 28 participants from Departments of Textile Technology, Civil engineering, Fashion Technology, and Biotechnology. Mr. R Sukanya Devi, Assistant Professor, Textile Technology, welcomed the gathering and explained about the recently purchased Laboratory Spray Dryer. Dr.A .Geethakarathi, Associate Professor, Civil Engineering, explained the necessity of a spray dryer. Dried powder of any solution can be obtained and the dryer is also capable of microencapsulation. Dr.V.Ramesh Babu, Head of Textile Technology, and Dr.V.Selvan, Head of Civil Engineering highlighted the importance of the training program and welcomed other departments to make use of the training program. The Laboratory Spray Dryer was installed by Mr.Maheswaran, Area Manager-Service, Jay Instruments and Systems Pvt. Ltd. He explained the working of the spray dryer and demonstrated the procedure of using the same. A live demonstration of spray drying a salt solution to obtain salt powder was done. The training was done in batches. This was followed by a discussion where the doubts and clarifications from the audience were cleared by Mr.Maheswaran. Ms. Vaishnavi Muralidharan, Project Assistant, Textile Technology proposed the Vote of Thanks and summarised the activities done during the Training Program. The training program covered the basics and a live demonstration of spray drying. This helped the participants in understanding the working mechanism of spray drying. The demonstration was a hands-on training program that helped in the handling of the machinery.



DID YOU KNOW

The most expensive fabric in the world is wool, which comes from the vicuña and can only be shorn from the animal once every two to three years. The vicuña is part of the camelid family, of which the alpaca and llama are two others whose wool is also sought after and valued.

TRAINING SESSION FOR M/S MURATEC COMPANY DRIVE

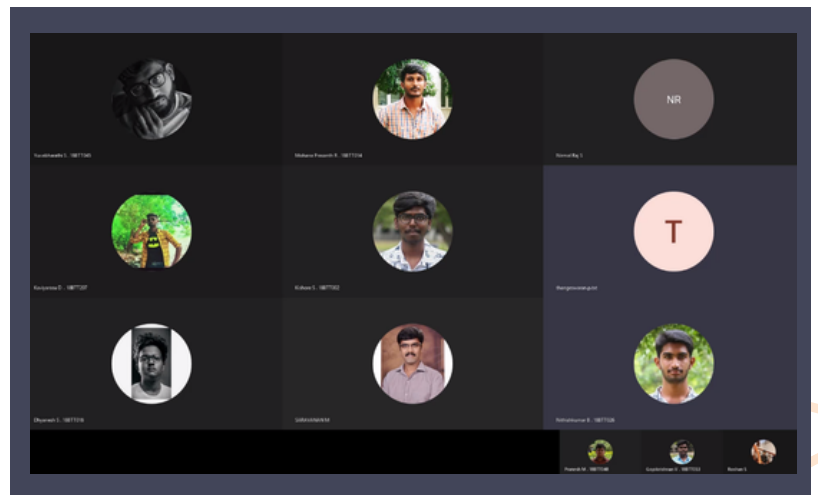
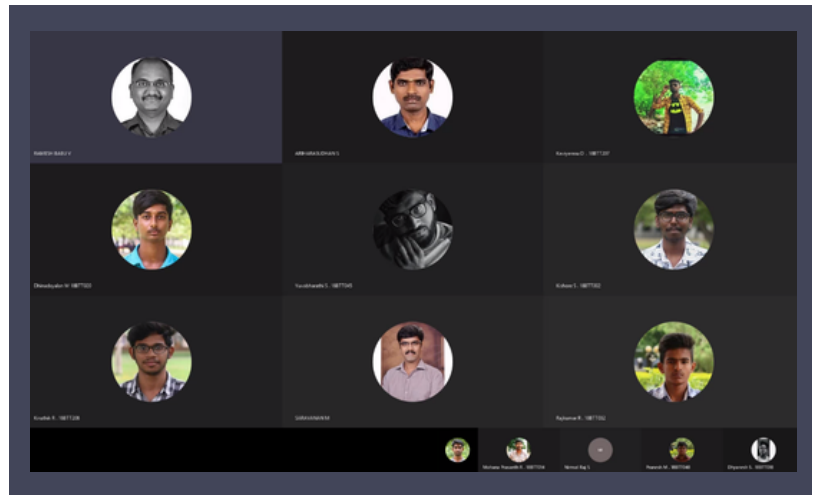
IV-year (2018-22 Batch) B. Tech. Textile Technology students were given a Company Specific Training session for M/s MURATEC placement drive scheduled on 29&30.09.2021 in MS Teams online platform. The sessions were facilitated by faculty members of the Textile Department Mr. P. Thangeswaran, AP II, and Dr. S. Ariharasudhan, AP II, KCT.

Faculty members throw industrial know-how and various practical points during the session, and along with their sessions, a voice message from alumni Mr. Sudhagar (2012-16 Batch) from renowned industry M/s MURATEC, Coimbatore was shared on social media namely WHATSAPP. These sessions exclusively deliver elaborate technical discussions on core concepts and basics of textile spinning and cone winding manufacturing, market & company based possible discussions that are bound to happen in Interview and, they share their industry experience too that might gear up them to be successful in the interview process.

The session might help students (2018-22 batch) to understand core knowledge skills and industrial discussion-related skills to face the M/s MURATEC placement drive.

The program was organized by Dr. M. SARAVANAN/AP, Department of Textile Technology after getting approval from HOD and the Principal.

Students will acquire basic refreshable technical know-how and the other important industrial practices that are required during the recruitment process. Students to observe and understand the job roles, acquire knowledge for all possible chances to crack the recruitment process.



DID YOU KNOW

India is the second largest producer of Cotton, second, marginally close, to China. India is also the second largest exporter of Cotton at \$6.3 billion (12.2%), behind to China again.

INTERNATIONAL SEMINAR ON INNOVATION AND ADVANCEMENT IN TECHNICAL TEXTILES (IATT-2021)

27.09.2021

Welcome, Address by Dr.V.Ramesh Babu, Associate Professor & Head, Department of Textile Technology, Kumaraguru College of Technology, Coimbatore. In his speech, he welcomes all the staff, industrial persons, and alumni each day.

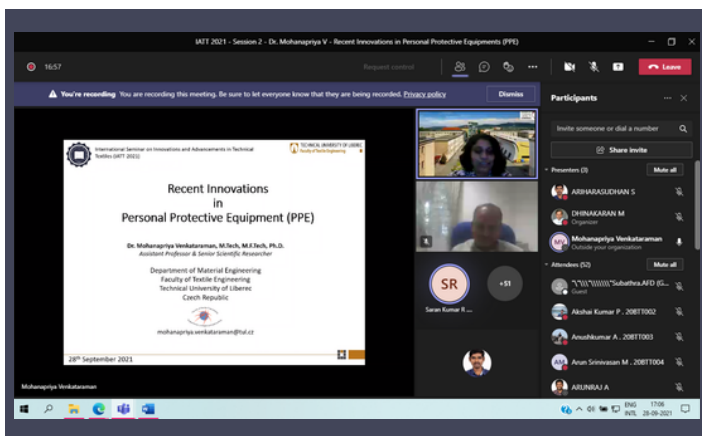
Then the session is handed over to speakers of each session from 27.09.2021 to 01.10.2021.

The speakers have presented their topic relevant to technical textiles and interacted with participants.

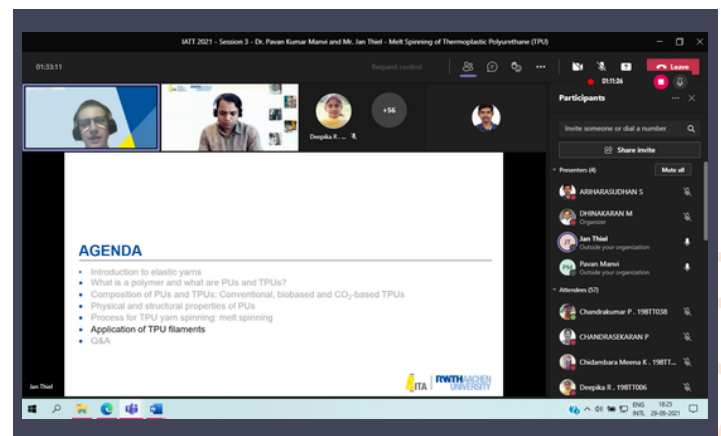
The seminar is designed for the dissemination of recent research outcomes, innovations, and advancements in technical textiles. Guest speakers from eminent universities, institutes, and research organizations will present on various topics related to technical textiles. The seminar will also provide a platform for lively discussions among academicians, industry experts, research scholars, and students.



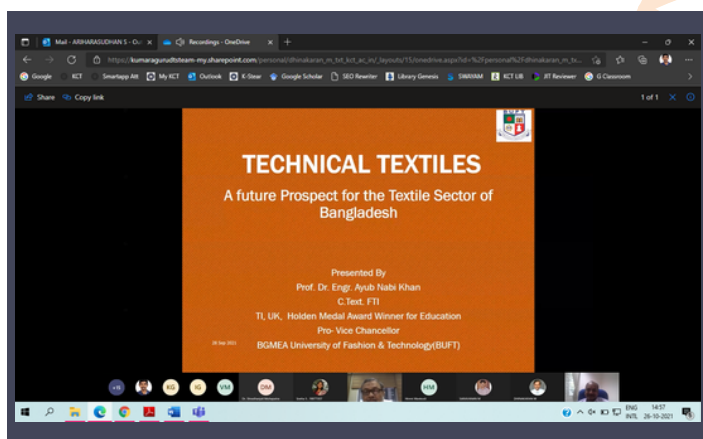
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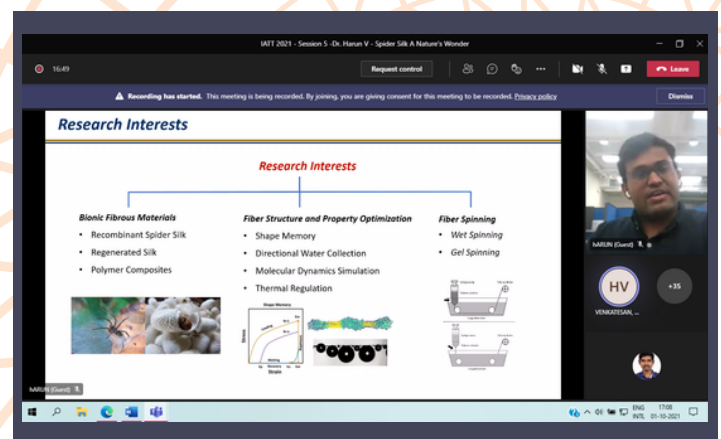
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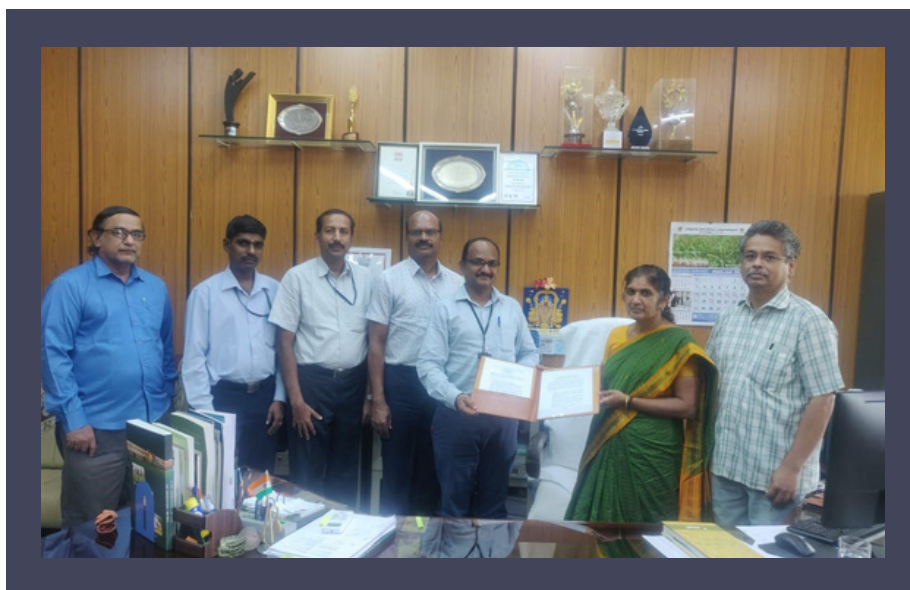


01.10.2021

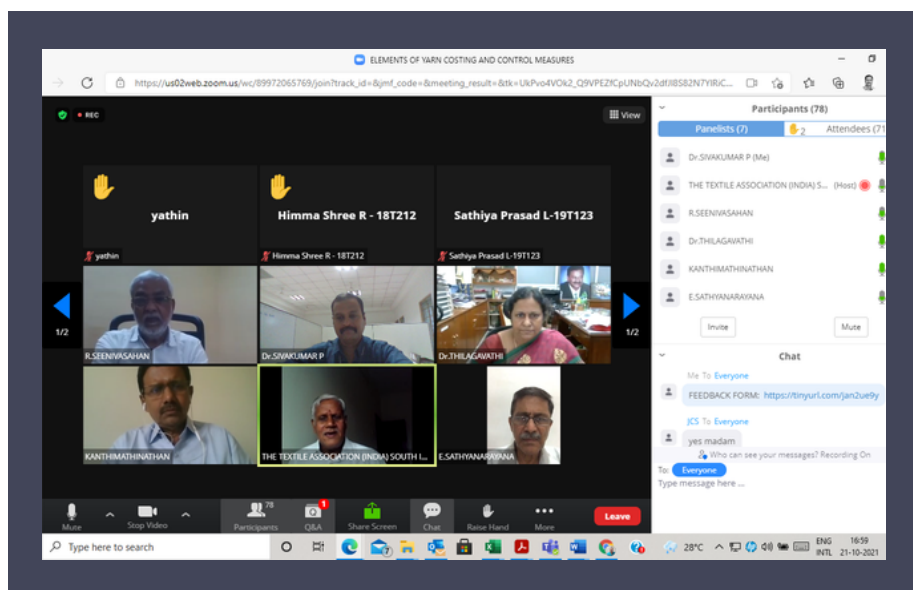


THE SIGNING OF MOA AND MTA WITH ICAR-SBI AND DEPT OF TEXTILE TECHNOLOGY

A meeting was held with Dr. G.Hemaprabha, Director, ICAR-SBI, and Dr.P.Govidarajan Principal Scientist at ICAR - Sugarcane Breeding Institute, Dr.V.Ramesh Babu HOD, Dr.S.Sundaresan, Dr.S.Ariharasudhan, and Dr.P.Chandrasekaran of Textile Technology, KCT, CBE, at ICAR/CBE on 06.10.2021 to explore the opportunities to do collaborative research on Sugarcane Bagasse Based Textiles and signed an MoA and MTA for 2 energy canes for evaluation and product development for 4 years. The outcome of the meeting is to collaborative research possibilities with KCT - Textile and ICAR-SBI.



TAI STUDENT CHAPTER INAUGURATION



The Secretary TAI-SIU set the context of the programme. The vice president TAI-SIU Mr.E.Satyanarayana welcomed the Guest Speaker, Faculty of KCT, BIT & PSG Tech and all the Participants. The key note addresses is given by Dr.Thilagavathi HOD, Department of Textile Technology, PSG College of Technology. Introduction about speaker by Mr.Sivaramakrishnan Joint Secretary TAI-SIU.

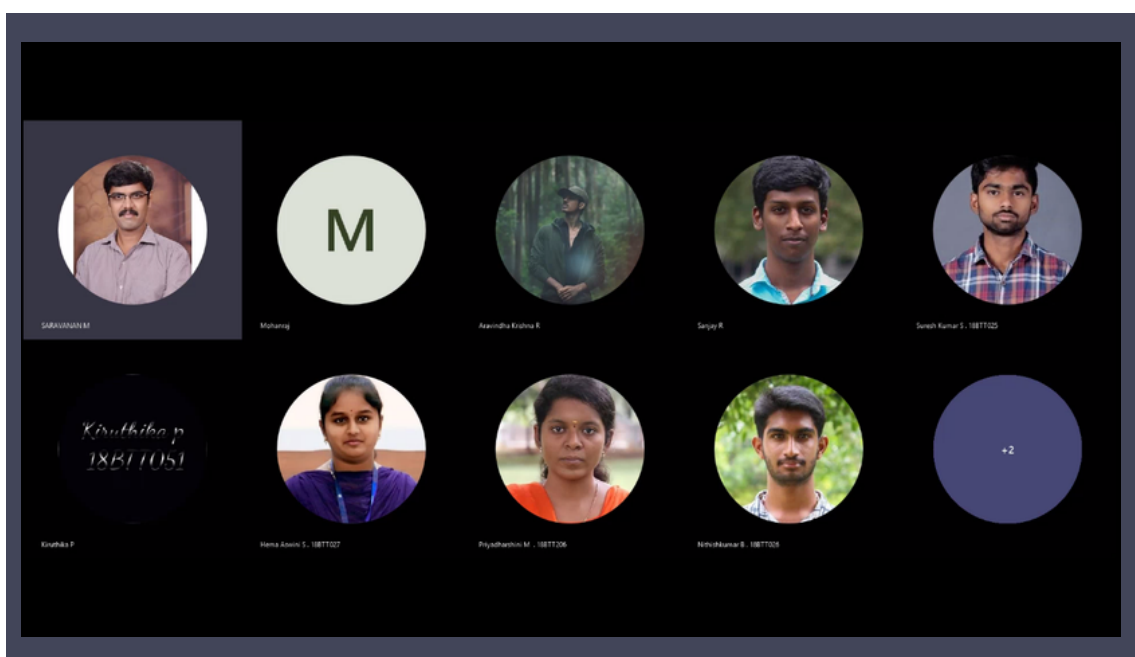
Subsequently presentation was done by Mr. A Kanthimathinathan, CEO-WINSYS-SMC on "Elements of Yarn Costing and Control Measures", in detailed manner. Dr.Rameshbabu HoD, Department of Textile Technology, KCT ,Dr. Sivakumar.P, Department of Textile Technology, KCT and Dr.Gopalakrishnan HOD, Department of Textile Technology and Mrs.Priya HOD, Department of Fashion Technology, Bannariamman Institute of Technology have given remark notes about the lecture. Summing up of the Program and Vote of Thanks by Mr.Sivaramakrishnan, Joint. General Secretary TAI-Central.

REFRESHING TRAINING SESSION FOR M/S COLORJET COMPANY DRIVE

IV-year (2018-22 Batch) B. Tech. Textile Technology students were given Company Specific Training session in MS Teams online platform for M/s Colorjet placement drive scheduled on 29.10.2021. The session was facilitated by Mr. B. Mohanraj, Lead-Bleaching Division, M/s Jay Jay Mills, Perundurai. He has thrown industrial know-how's and various practical points on Interview skills, readiness, attitude built-up in Interview process during this refreshing session. These sessions exclusively deliver elaborate technical discussions on core concepts and basics of Chemical Processing units including Pre-treatment, Dyeing, Printing, etc., market & company based possible discussions that are bound to happen in Interview and shared his industry experience and life at Industry for past 9 years, that might gear up them to be successful in the interview process.

The session might help students (2018-22 batch) to understand core knowledge and industrial discussion related skills to face the M/s Colorjet placement drive.

Students will acquire basic refreshable technical know-how, and the other important industrial practices that are required during recruitment process. Students to observe and understand the job roles, acquire knowledge for all possible chances to crack the recruitment process.



DID YOU KNOW

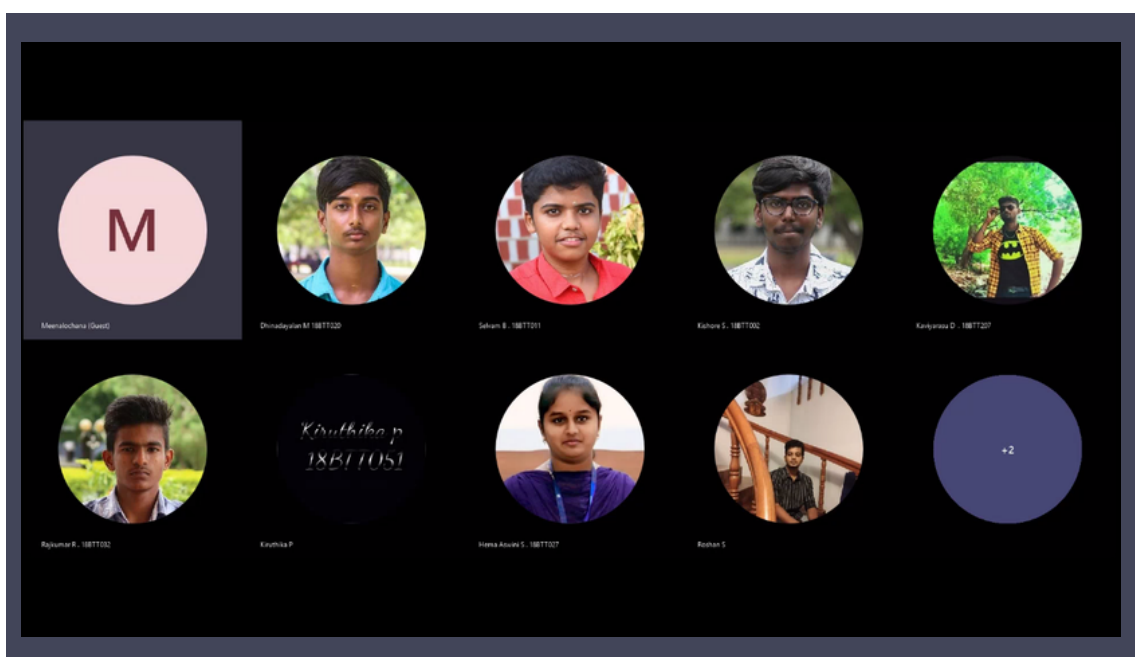
The most expensive fabric in the world is wool, which comes from the vicuña and can only be shorn from the animal once every two to three years.

REFRESHING TRAINING SESSION FOR M/S ADVANCED CLOTHING CONCEPTS COMPANY DRIVE

IV-year (2018-22 Batch) B. Tech. Textile Technology students were given Company Specific Training session in MS Teams online platform for M/s Advanced Clothing Concepts placement drive scheduled on 27.10.2021. The session was facilitated by faculty members of the Textile Department Ms. C. Meena Lochana, Project Executive, M/s Advanced Clothing Concepts, Coimbatore. She was an Alumnus of the Department of Fashion Technology, KCT and she threw in industrial know-how and various practical points on Interview skills, readiness, attitude built-up in the Interview process during this refreshing session. These sessions exclusively deliver elaborate technical discussions on core concepts and basics of Garment manufacturing, market & company based possible discussions that are bound to happen in Interview and, she shared her industry experience and life at Industry for the past 2 years, which might gear up them to be successful in the interview process.

The session might help students (2018-22 batch) to understand core knowledge and industrial discussion-related skills to face the M/s Advanced Clothing Concepts placement drive.

Students will acquire basic refreshable technical know-how and the other important industrial practices that are required during the recruitment process. Students can observe and understand the job roles, acquire knowledge for all possible chances to crack the recruitment process.

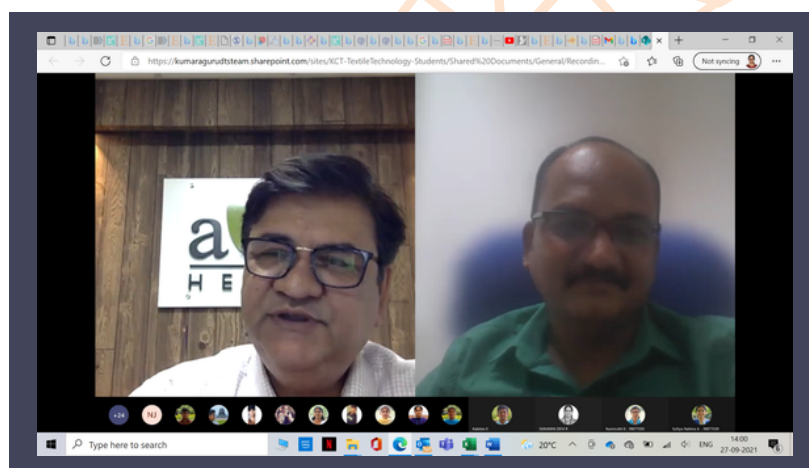
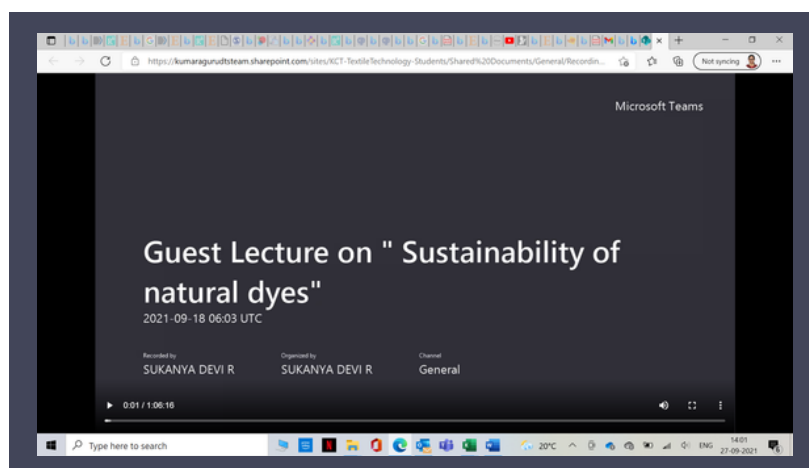


WEBINAR ON SUSTAINABILITY OF NATURAL DYES

A guest lecture on "Sustainability of Natural Dyes" was organised by the Department of Textile Technology on 18.09.2021 via Microsoft Teams from 11.30am to 12.30pm. The resource person for the program was Mr.Yawer Ali Shah, Co-founder and CEO of AMA Herbal group of companies. The program commenced with the Welcome Address delivered by Mrs.R.Sukanya Devi, Assistant Professor, Textile Technology, along with the introduction of the resource person to the gathering. This was followed by the Presidential Address delivered by Dr.V.Ramesh Babu, Head of Department, Textile Technology, briefing about the necessity for conducting the program. Mr.Yawer Ali Shah took over the session, introducing the concept of sustainability as the need of the hour. He then explained about the history of natural dyes and the advantages of using them, followed by explanation of sources and extraction methods of natural dyes. This led to a discussion on the business opportunities and social responsibilities of utilizing natural dyes.

The Vote of Thanks was given by Mrs.R.Sukanya Devi briefing on the points highlighted by Mr.Yawer Ali Shah during his lecture.

The methods of dye extraction from natural sources have been explained and the concept of commercializing natural dyes was introduced to the students. This has led to discussion on startups and entrepreneurial activities. Research projects on other sources of natural dyes have been discussed that have sparked project ideas.



GUEST LECTURE ON COMPREHENSIVE UTILIZATION OF BANANA PSEUDOSTEM FOR TEXTILE AND OTHER APPLICATIONS

Welcome address by Dr. J Krishnamoorthi MIE Honorary Secretary, IE(I), Coimbatore Local Centre in his speech he welcomes all the students and staff, and all so he welcomes Dr Kartick K. Samanta, Scientist (Textile Chemistry), Chemical and Biochemical Processing Division, ICAR-National Institute of Natural Fibre Engineering and Technology, Kolkata - 700040, India. Presidential Address by Dr V Ramesh Babu, Associate Professor and Head Department of Textile Technology, Kumaraguru College of Technology & Introduction of the Chief Guest was given by Dr. M Dhinakaran, Sr. Associate professor, Textile department in his speech. Kartick K. Samanta experience in Technical Textiles, focusing on Textile finishing using nano-particles Green textile processing. His research falls in technical textiles for product development and evaluation. A webinar was organized by the Textile Technology Department on the topic Comprehensive Utilization of Banana Pseudostem for Textile and Other Applications on 29.11.2021, between 3.30 pm to 4.30 Pm.

The resource person for the session was Dr Kartick K. Samanta, Scientist (Textile Chemistry), Chemical and Biochemical Processing Division, ICAR-National Institute of Natural Fibre Engineering and Technology, Kolkata - 700040, India,

The Conveners for the webinars were Dr. V Ramesh Babu, Associate professor & HEAD/ Textile technology, Dr. M Dhinakaran, Senior Associate Professor Textile Technology, Kumaraguru College of Technology, Coimbatore-49. The webinar was attended by about 108 participants, by the students from IV-year, III-year, II year of Textile Technology, Kumaraguru College of Technology. Research scholars from other institutions, faculty members from our institutions had also attended the webinar. The webinar contents and speech were well received by the participants, and they gave very good feedback about the webinar. The webinar gave an idea about. Natural fibre plant origin, Banana production development of fibre from banana, product developed from banana fibre and type of product, varies availability of research.

The outcome of the event is the students able to know the, how to prepare fibre and from that preparation of product.

WORKSHOP ON "ENTREPRENEURSHIP AND INNOVATION AS CAREER OPPORTUNITY"

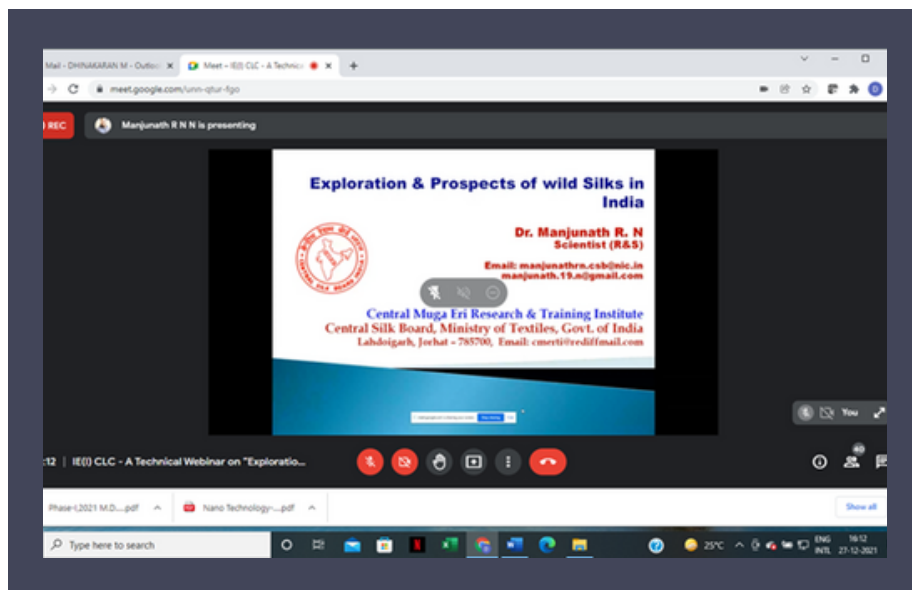
Welcome Address by Dr. V. Ramesh Babu, Assistant Professor, Kumaraguru College of Technology, Coimbatore. In his speech, he welcomes all the students and staff, and all so he welcomes chief guest. HOD's address was given by Dr. Ramesh Babu. Then the session was handled by Dr. R. Jayaraman. He motivated the students by sharing his entrepreneurial experience.

Resource Person

He is the founding trustee and currently serving as the managing trustee. He is the Member Secretary of the governing board. He frames the overall organization direction and strategy for fostering the entrepreneurship culture and enhancing the employability of youth. Outcomes of the workshop are Motivation, Skill required for entrepreneurship.

WEBINAR ON "EXPLORATION AND PROSPECTUS OF WILD SILKS IN INDIA"

Welcome Address by Dr S Shanmugam, Chairman IE(I), Coimbatore Local Centre in his speech he welcomes all the students and staff, and all so he welcomes Dr. Manjunath R. N, Scientist, silk research institute of Central Silk Board, Ministry of Textiles, Government of India. Presidential Address by Dr V Ramesh Babu, Associate Professor and Head Department of Textile Technology, Kumaraguru College of Technology& Introduction of the Chief Guest was given by Dr.M.Dhinakaran, Sr.Associate professor, Textile department in his speech. Dr. Manjunath R. N is presently serving Central Muga Eri Research & Training Institute, a premier wild silk research institute of Central Silk Board, Ministry of Textiles, Government of India as a Scientist, since 2018. A webinar was organized by the Textile Technology Department on the topic : Exploration and prospectus of wild silks in India on 27.12.2021, between 4.0 pm to 5.0 Pm. The resource person for the session was Dr. Manjunath R. N is presently serving Central Muga Eri Research & Training Institute, a premier wild silk research institute of Central Silk Board, Ministry of Textiles, Government of India as a Scientist. The Conveners for the webinars were Dr.V.RAMESH BABU Associate professor & HEAD/ Textile technology, Dr.M.DHINAKARAN, senior Associate Professor Textile Technology, Kumaraguru College of Technology, Coimbatore-49. The webinar was attended by about 45 participants, by the students from IV-year, III-year, II year of Textile Technology, Kumaraguru College of Technology. Research scholars from other institutions, faculty members from our institutions had also attended the webinar.



The webinar contents and speech were well received by the participants, and they gave very good feedback about the webinar. The webinar gave an idea about. In his speech first he show the type of silk used in different states in India ,and also he explain Varieties of silk Domestic silk (Mulberry), WILD SILK (Tasar) he explain full detail of these silk how it is produced sequence of operation. Finally he introduced new type of silk Cricula Trifenestrata .The PPT send to participants to their respective Email id, also an E- Certificate for participation was sent to the participants through their mail Id.

Valedictory Address

Finally, the Vote of Thanks by Dr J Krishnamoorthi

Honorary Secretary IE(I), Coimbatore Local Centrin his speech he appreciates the chief gust for his speech about how to produce different type of silk and produce anew product, it is very useful for industry people and students and staffs..

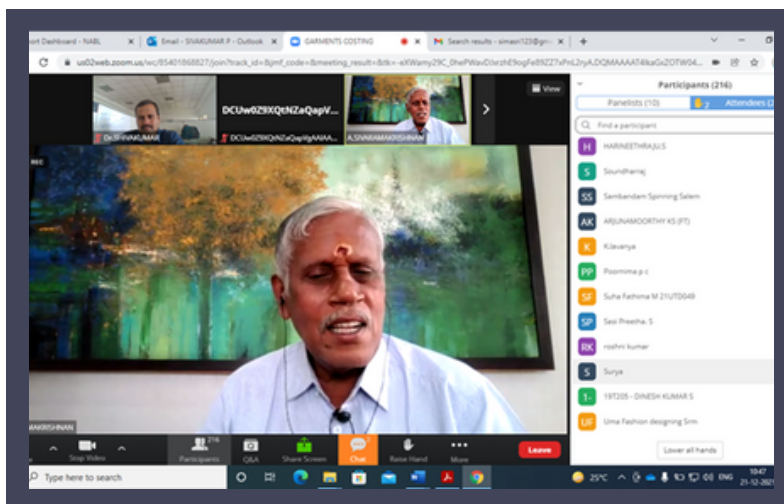
Outcome of the event: The outcome of the event is the students able to know the type of silk how to prepare fibre and product.

TAI-WEBINAR ON GARMENT COSTING

The Secretary TAI-SIU set the context of the programme. The vice president TAI-SIU Mr.E.Satyanarayana welcomed the Guest Speaker, Faculty of KCT, BIT & PSG Tech and all the Participants. Introduction about speaker TAI-SIU by Mr.Sivakumar.S, Joint General Secretary, TAI-SIU.

Subsequently presentation was done by Mr. Mr.Sivaramakrishnan A, "Garment Costing", in detailed manner. Dr.Rameshbabu HoD, Department of Textile Technology, KCT, Dr. Sivakumar.P, Department of Textile Technology, KCT Dr.Thilagavathi HOD, Department of Textile Technology, PSG College of Technology and Dr.Gopalakrishnan HOD, Department of Textile Technology and Mrs.Priya HOD, Department of Fashion Technology, Bannariamman Institute of Technology have given remark notes about the lecture. Summing up of the Program and Vote of Thanks by Mr.Sivaramakrishnan, Joint. General Secretary TAI-Central.

Outcome of the event: The students will get exposure about Garment costing, Methods , influencing factors and control measures about costing.

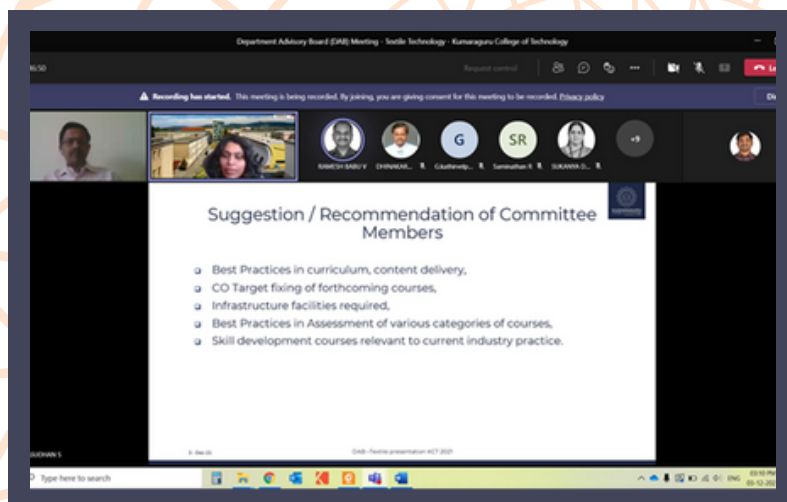


DEPARTMENT ADVISORY BOARD MEETING

Date of the event: 03.12.2021

No. of Participants: 15

Outcome of the event: To improve the department growth based on member suggestion.



VIRTUAL INTERNATIONAL INTERACTION BETWEEN KCT AND HUDDERSFIELD

Foreign Delegates: Dean - Faculty of Textile Engineering of Huddersfield University of Fashion and Technology, Huddersfield, UK and Principal, Head of the Department of Textile Technology, Heads of other Departments of Kumaraguru College of Technology (KCT), India, other KCT delegates and all the faculty members of both KCT, India and Huddersfield UK were present for the International MoU that happened on 24th NOV 2021 at 3.30 PM in virtual MS teams Platform. 25 members of both the Institutions and others from both the nations graced the occasion with their presence for this International MOU ceremony Dr V, Ramesh Babu HOD welcomes everyone and all the gatherings and gave introduction of both the Institutions. Dr. V. Ramesh Babu, Head of the Department of Textile Technology, Kumaraguru College of Technology, India express sincere gratitude to Shri Shankar Vanavarayar, Joint Correspondent and Dr. D. Saravanan, Principal of KCT and thankful to Professor Parik Goswami, Professor in Technical Textiles, Head of Department- Fashion and Textiles, Director- Technical Textiles Research Centre, University of Huddersfield,

UK which is inclusive of performing Joint industrial projects and joint research activities. Dr. D. Saravanan, Principal, Kumaraguru College of Technology, India delivers the Principal Address elaborating opportunities for Faculty training programs between Huddersfield and KCT. He threw the glimpses on this MOU provides opportunity for arranging workshops, exhibitions, special lectures, performing Joint industrial projects and joint research activities. The institutions will mutually agree to exchange information, faculty and students in both academic and research programmes, Professor Parik Goswami and explore about the MOU that provide faculty, students, and staff of both institutions with an opportunity to improve with regard to academic programmes, research activities and PhD. supervisions.

Representative of Kumaraguru College of Technology (KCT), Coimbatore, India Dr. D. Saravanan, Principal and Representative of University of Fashion & Technology Huddersfield UK Professor Parik Goswami to strengthen the bonds between two institutions.

The Vote of Thanks was given by Prof. Dr. V. Ramesh Babu. The MOU event was organized by Dr. M. DHINAKARAN, Sr. Associate prof. Department of Textile Technology, KCT after getting approval from HOD and Principal.

Memorandum of Understanding (MOU) Ceremony between Kumaraguru College of Technology (KCT), Coimbatore, India & Huddersfield University of Fashion and Technology, Huddersfield, UK. To cooperate in the further development of the institutions, especially regarding academic programmes, research activities and PhD. supervisions and to provide faculty, students, and staff with an opportunity to improve their intercultural competences.



MEMORANDUM OF UNDERSTANDING

- MOU signed with the BGMEA University of Fashion & Technology (BUFT), Dhaka, Bangladesh Sign date 11.08.2021, Duration 3 years.
- MOU signed with the ICAR-Sugarcane Breeding Institute, Date: 06.10.2021, Duration 4 Years.

TEXTILE DUMBCHARADES

The Department Association of Textile Technology conducted their first post-lockdown offline mode event called Textile Dumbcharades on 19 November, 2021.

This event was an inspiration from the ever-famous dumbcharades game. The timing of the event was between 3 pm and 4 pm on a cosy Friday.

The event started off with the first round, where the 2-teamed players were given three minutes each to find out as many textile terminologies as they could. Among ten teams, the two leading teams were in a tie, for which a second round of tiebreaker was held. Ironically, it was a tie again. After another round of tie-breaker in vain, both the teams were declared the winners. Arun Srinivasan, Roopesh, Benitta Nilofer and Vishnuvarsa of 2nd year TT were the winners. The highlights of the event were the four enthusiastic students from the Aeronautical department, who were very sportive to try their luck with a textile-based event, which is greatly appreciated.



**TEXTILE
DUMB CHARADES**

How strong are you with jargons?
How able are you in enacting?
Show us your skills by participating in the cool event Textile Dumb Charades!

Note: Two players per team

EVENT TYPE : Offline event
VENUE : Classroom A110
DATE : 19 November, 2021
TIME : 3 pm to 4 pm

CONTACT :
Smrithi - 9159418176



Scan QR to register



TWISTY TEXTILES

The Department Association of Textile Technology conducted its second offline event called Twisty Textiles on 3rd December 2021. The timing of the event was between 3 pm - 4 pm.

Round 1: Quiz

Each team chose 3 questions from a lot of 50 questions. The time limit for each question- 30 seconds. (If answered within the first 15 seconds-2 points or in the last 15 seconds the team can ask for a clue and if answered -1 point). This round furnished the participants with the basic knowledge of textiles.

Round 2:

Out of 9 teams, the top 4 teams were selected. Top 4 teams - Kittians, MT boys, The Textilians, Team Booze. Fifty words were shown to a team for 1 minute and then the paper was collected back. Then each team selected a card out of 5, those cards contained jumbled letters from which the team framed different words (with reference to the list of 50 words) within the given time limit (3 minutes). This round challenged the memory power of the participants with complete involvement and excitement.



HANDS ON TRAINING IN TIFAC CORE

TIFAC CORE which stands for Technology Information Forecasting and Assessment - Council Centre of Research and Excellence, is an esteemed laboratory of our department. It consists of an Advanced Manufacturing lab and an Advanced Testing lab. Since, 2nd and 3rd year students of Textile Technology are not well aware of TIFAC CORE, this session was arranged. The in-charge of the session was Kavikumar V of final year.

The session was programmed for two days i.e., on 16.12.2021 (Thursday) and 17.12.2021 (Friday). The former for 2nd year students and the latter for 3rd year. Though the expected number of students were 100, the number turned up was 103. The students were shown and demonstrated all the machineries and instruments of production and testing. The students were guided by Mr. Velusamy and Madam Krishanveni.



STUDENT ACTIVITIES

STUDENT'S INTERNSHIPS

- Kavikumar V (18BTT005) is interning at Prompt Infotech, Gandhipuram since 10.09.2020. He's being accompanied by Sowmitha Senthilraj (Senior Software Security Analyst) and is also awarded a stipend of Rupees 4,900.
- Harshan P S (18BTT008) interned at KSP Mills and Co. from 2019 to 05.06.2020.
- Suryaprakasavel K S (18BTT201) interned at TCIPL Sipcot, Perundurai, Erode from 01.08.2020 to 19.08.2020.
- Sureshkumar S (18BTT025) is interning at Super Sales India Limited, Coimbatore since 19.04.2021. He's being awarded a stipend of Rupees 10,000.



STUDENT'S INHOUSE PROJECTS

- Sanjay R (18BTT017) worked on a project called Bagasse Ganapathy between June 2019 and September 2021 under the program NRFC was guided by Nivetha R. Ultimately, eco-friendly idols of Lord Ganesha were sold widely.
- Sanjay R (18BTT017) worked on another project based on Flex Recycling between October 2018 and February 2019 under the program NRFC which was guided by Nivetha R. But the project had to be dropped because the idea proposal was expensive.

STUDENT PARTICIPATION

- Kiruthika P (18BTT051) attended a webinar on The Effect of Textile and Fashion industry Impact on Society and Environment on 27.10.2021 organized by TT KCT.
- Indhraprasath (18BTT0203) attended a webinar on Product Development and Market Potential from 30.07.2020 to 05.08.2020 organized by TT KCT.
- Indhraprasath (18BTT0203) attended a webinar Spinning 4.0 on 06.08.2020 organized by TT KCT.
- Sherin Vedha (18BTT202) attended a webinar on Buying and Merchandising on 27.11.2020 organized by TT KCT.
- Sherin Vedha (18BTT202) attended a webinar on Textile Product Development and Market Potential 30.07.2020 organized by TT KCT.
- Sherin Vedha (18BTT202) attended a webinar Spinning 4.0 on 06.08.2020 organized by TT KCT.
- Suryaprakasavel K S (18BTT201) attended a webinar on Technical Textile High Impact Segment for Driving Economy on 20.10.2020 Coimbatore Local Centre in association with KCT.
- Suryaprakasavel K S (18BTT201) attended a workshop on Automated Preparation and effective Weaving on 09.09.2020 organized by STAUBLI Sargans AG.
- Suryaprakasavel K S (18BTT201) attended a workshop on Maximizing Quality, Productivity, Efficiency & Posits of Textile Mills on 12.08.2020 organized by Cotton USA, India Texpreneurs Federation.
- Suryaprakasavel K S (18BTT201) attended a workshop on Swiss Manufacturing Technology for Apparel Industry on 26.08.2020 organized by Swiss Textile Machinery.
- Suryaprakasavel K S (18BTT201) attended a workshop on CAD Application in Home Textiles on 03.03.2020 organized by TT KCT.
- Hemprakash Y (18BTT044) attended a webinar on Technical Textiles High Impact Segment for Driving Economy.
- Hemprakash Y (18BTT044) attended a webinar Spinning 4.0 on 06.08.2020 organized by TT KCT.
- Hemprakash Y (18BTT044) attended a webinar on Product Development and Market Potential from 30.07.2020 to 05.08.2020 organized by TT KCT.
- Hemprakash Y (18BTT044) attended a webinar on Sustainability in Textile Process and Textile Management organized by TT KCT.
- Kaneeshram (18BTT041) attended a webinar on Technical Textiles - Product Development and Market Potential from 30.07.2020 to 05.08.2020 organized by TT KCT.

- Nirmal Raj S (18BTT038) attended a webinar on Entrepreneurship on 11.02.2021 organized by Career Development and Entrepreneurship.
- Shruthi R 20BTT039 attended Forensic Science Certificate course on 06.08.2021 organized by Kumaraguru College of Technology.
- Kishore.S 18BTT002 a webinar on Spinning industry on 06.08.2020 organized by Kumaraguru College of Technology.
- Kishore S 18BTT002 attended a webinar on A stroke of colour on 16-08-2020 organized by Vellore Institute of Technology.
- G S Suganth Vaibav, Moshika M, Suresh Kumar S, Dhanush G, Nehelesh SR, Pruthvi M, Yuvaraj B, Sindhuja MS, Mohamed Riyaz A, Kaviyarasu D attended a technical webinar on Total Productive Maintenance(TPM) on 08-07-2021, organized by IE(I) Coimbatore Local Center and Department of Textile Technology, Kumaraguru College of Technology, Coimbatore.
- Moshika M attended a webinar at AJK College of Arts and Science on 07-08-2020 organized by Kumaraguru College of Technology.
- Akshai Kumar P (20BTT002) attended Patent Opportunities in Scientific Research webinar on 04.09.2021 organized by the Department of Chemistry, Kumaraguru College of Technology.
- Akshai Kumar P (20BTT002) attended a webinar Beginner to Pro on 12.09.2021, organized by the Department of Electrical Communication Engineering, KCT.
- Akshai Kumar P (20BTT002) attended a workshop Open Rocket Simulator on 17.09.2021, organized by SEDS - KCT.
- Akshai Kumar P (20BTT002) attended a webinar Disaster Management- UNITE 19.09.2021, organized by Youth Red Cross - KCT.
- Akshai Kumar P 20BTT002 workshop Mat lab on 17.09.2021 to 19.09.2021 organized by HAM CLUB - KCT.
- Akshai Kumar P (20BTT002) webinar The Pathway to Becoming an IAS Officer on 04.09.2021 organized by Department of political science - KCLAS.
- Akshai Kumar P (20BTT002) attended a webinar on DO or DIET on 18.09.2021 organized by Youth Red Cross - KCT.
- Akshai Kumar P (20BTT002) attended a webinar Carcino on 25.09.2021 organized by NSS - Red Ribbon Club - KCT.
- Akshai Kumar P, Kirubananthan N, Priyanka R, Shruthi R, G S Suganth Vaibav, Suryaprakasavel K S, Selvam B, Sherin Vedha, Sanjay R, Roshan S, Kavikumar, Venkateshwari P attended a webinar on Modern Manufacturing Methods of Contamination Free Surgical Cotton on 25.09.2021 organized by IE(I) Coimbatore Local Center and Department of Textile Technology, Kumaraguru College of Technology.

- Akshai Kumar P (20BTT002) attended a webinar on Starting Your Own Business in Textile & Garments on 24.09.2021 organized by TAI Mumbai Unit.
- Akshai Kumar P (20BTT002) attended a webinar on Business Pitching on 23.09.2021 organized by the Department of Textile - KCT.
- Hariharan R (20BTT012) attended a webinar on Sustainability on Natural dyes on 18.09.2021 organized by the Department of Textile - KCT.
- Kirubananthan N (20BTT021) attended a webinar on Patent Opportunities in Scientific Research on 04.09.2021 organized by the Department of Chemistry - KCT.
- Kirubananthan N (20BTT021) attended a webinar Carcino on 25.09.2021 organized by NSS - Red Ribbon Club - KCT.
- Kirubananthan N (20BTT021) attended a webinar on Business Pitching on 23.09.2021 organized by IEEE - KCT.
- M Arun Srinivasan (20BTT004) attended a webinar Interaction With Civil Servants on 04.09.2021 organized by KCLAS.
- M Arun Srinivasan (20BTT004) attended a webinar TAI-SIU on 14.09.2021 organized by the Department of Textile - KCT.
- M Arun Srinivasan (20BTT004) attended a webinar on Sustainability on Natural dyes on 18.09.2021 organized by IQAC-KCT.
- M Arun Srinivasan (20BTT004) attended a webinar on Business Pitching on 23.09.2021 organized by IEEE - KCT.
- R Sarankumar (20BTT034) attended an International seminar on IATT in Personal Protective Equipment-Session 2 on 28.09.2021 organized by the Department of Textile Technology - KCT.
- R Sarankumar (20BTT034) attended an International seminar on IATT in Personal Protective Equipment-Session 1 on 27.09.2021 organized by the Department of Textile Technology - KCT.
- Karunya A (20BTT019) attended a webinar on Patent Opportunities in Scientific Research on 04.09.2021 organized by the Department of Chemistry - KCT.
- Karunya A (20BTT019) attended a webinar on Disaster Management - UNITE on 19.09.2021 organized by the Youth Red Cross - KCT.
- Karunya A (20BTT019) attended a webinar on Basics of MATLAB - Filters and Signal Modulation on 17.09.2021 organized by HAM CLUB - KCT.
- Karunya A (20BTT019) BUSINESS PITCHING WEBINAR on 23.09.2021 organized by IEEE - KCT.
- Karunya A (20BTT019) Webinar attended Starting your own business in textile & garments on 24.09.2021 organized by TAI Mumbai Unit.
- Karunya A (20BTT019) Webinar attended CARCINO on 25.09.2021 organized by TAI NSS - Red Ribbon Club - KCT.

- Karunya A (20BTT019) Webinar attended Sustainability and Functional Textiles on 27.09.2021 organized by TAI NSS - Red Ribbon Club - KCT.
- Karunya A (20BTT019), M Arun Srinivasan (20BTT004), Akshai Kumar P(20BTT002) attended a webinar on Innovations and Advancements in Technical Textiles on 28.09.2021 organized by IQAC-KCT.
- Kirubananthan N (20BTT021), Akshai Kumar P (20BTT002) attended a webinar on Sustainability and Functional Textiles on 27.09.2021 organized by IQAC-KCT.
- Akshai Kumar P(20BTT002), Karunya A(20BTT019), Hariharan R(20BTT012), Priyanka R (20BTT028) attended a webinar on Melt Spinning of Thermoplastic Polyurethane (TPU) on 29.11.2021 organized by IQAC-KCT.
- Priyanka R (20BTT028) attended a webinar on Patent Opportunities in Scientific Research on 09-04-2021 organized by the Department of Chemistry - KCT.
- Priyanka R (20BTT028) attended a webinar on Beginner to Pro on 09-12-2021 organized by the Department of ECE - KCT.
- Priyanka R (20BTT028) attended a workshop on MATLAB from 17-09-2021 to 18.09.2021 organized by HAM CLUB - KCT.
- Priyanka R (20BTT028) attended a workshop on Open Rocket Stimulator on 17-09-2021 organized by SEDS - KCT.
- Priyanka R (20BTT028) attended a workshop on UNITE on 19-09-2021 organized by Youth Red Cross - KCT.
- Priyanka R (20BTT028) attended a workshop on Sustainability of Natural Dyes from 17-09-2021 to 18.09.2021 organized by HAM CLUB - KCT.
- Priyanka R (20BTT028) attended a workshop on Training on Business Pitching on 23.9.2021 organized by IEEE - KCT.
- Priyanka R (20BTT028) attended the workshop Carcino on 25.9.2021 organized by NSS- RED RIBBON CLUB - KCT.
- Priyanka R (20BTT028) attended the workshop Honouring hormones on 27.9.2021 organized by NSS- RED RIBBON CLUB - KCT.
- Priyanka R (20BTT028) attended the workshop SAVE on 28.9.2021 organized by Youth Red Cross - KCT.
- Priyanka R (20BTT028) attended a workshop on Sustainability and Functional Textiles on 27.9.2021 organized by the Department of Textile - KCT.
- Priyanka R (20BTT028) attended a workshop on Recent Innovations in Personal Protective Equipment (PPE) on 28.9.2021 organized by the Department of Textile - KCT.
- Shruthi R (20BTT039) attended a webinar UNITE on 19.09.2021 organized by Youth Red Cross - KCT.
- Shruthi R (20BTT039) attended a webinar Do or Diet on 18.09.2021 organized by Youth Red Cross - KCT.

- Shruthi R (20BTT039) attended a webinar HARMONIZE 3 -SESSION 1 & HARMONIZE 3 -SESSION 2 on 25.09.2021 organized by YUVA-KCT.
- Shruthi R (20BTT039) attended a webinar SAVE on 28.09.2021 organized by Youth Red Cross - KCT.
- Shruthi R (20BTT039) attended the webinar on Sustainability of Natural Dyes on 08.09.2021 organized by the Department of Textile - KCT.
- Shruthi R (20BTT039) attended a webinar on Business Pitching on 23.09.2021 organized by the Department of Textile - KCT.
- Shruthi R (20BTT039) attended a webinar on Starting your Business in Textile and Garments on 24.09.2021 organized by TAI Mumbai Unit.
- Shruthi R (20BTT039) attended a webinar on Sustainability and Functional Textiles on 27.09.2021 organized by the Department of Textile - KCT.
- Shruthi R (20BTT039) attended a webinar on Recent Innovations in Personal Protective Equipment (PPE) on 28.09.2021 organized by the Department of Textile - KCT.
- Shruthi R (20BTT039) attended a webinar on Patent Opportunities in Scientific Research on 04.09.2021 organized by the Department of Chemistry- KCT.
- Shruthi R (20BTT039) attended a webinar on SUDOKU on 17.09.2021 organized by the MATRIX CLUB - KCT.
- G S Suganth Vaibav (19BTT032) attended a webinar on Carcino on 25.9.2021 organized by NSS RRC VBC Club - KCT.
- Sanjay R (19BTT017) and Suresh Kumar (18BTT025) attend a webinar on Advancements in Spinning Industries on 21.9.2021 organized by LMW.
- Kishore S (18BTT002) participated in an international event InduTech on 21.08.2020 organised by PSG Tech.
- Venkateshwari P (19BTT016) participated in GLOSSAS-2021 organised by Bannari Amman Institute of Technology.
- Venkateshwari P (19BTT016) attended an International Virtual Conference on Interdisciplinary Approaches to Education Research and Language Teaching ICERLT 2021 (Kumaraguru College of Technology & Prince Sattam Bin Abdulaziz University, Kingdom of Saudi Arabia) on August 25 - August 26, 2021.
- Venkateshwari P (19BTT016) participated in INTELLIGENTZIA Hackathon (IIC Institute of Engineering and Technology, Lucknow) from 18 June to 15 July 2021.
- Venkateshwari P (19BTT016) participated in WCE Hackathon (Walchand College of Engineering, Sangali, Maharashtra) in July 2021.
- Kishore R A (20BTT023) participated in RIGathon-2021 organized by iQube-KCT.
- Kishore R A (20BTT023) participated in the Drone fest conducted by Aeromodelling club of KCT.

STUDENT'S PAPER PRESENTATION

- Akshai Kumar P(20BTT002) participated in Poster Presentation Title Interdisciplinary Approaches to Education Research and Language Teaching (ICERLT) on 25th & 26th August organized by Prince Sattam Bin Abdulaziz University and Kumaraguru College of Technology.
- Kavusruthi K (19BTT005) presented the conference title Sartoria on 04.10.2021 organized by the Department of Fashion Technology, Sona College of Technology.
- KaviKumar V (18BTT005) presented a paper in an international event INFITT on 14.03.2021 organized by INFITT+GCT, Coimbatore
- KaviKumar V(18BTT005) presented a paper - Artificial Intelligence in Fashion Industry,Sartoria on 04.10.2021 organized by the Department of Fashion Technology, Sona College of Technology

DID YOU KNOW

The earliest evidence of weaving, closely related to basketry, dates from Neolithic cultures of about 5000 bce.

A team of archaeologists and paleobiologists has discovered flax fibers that are more than 34,000 years old, making them the oldest fibers known to have been used by humans.

ARDENT ACHIEVERS

- Venkateshwari P (19BTT016) participated and won in the RiGathon-2021 which is in association with Emerald Industries on 03.10.2021.
- Priyanka R (20BTT028) participated and bagged the runner-up title in the RiGathon-2021.
- Kavya B (20BTT020) participated and bagged the runner-up title in the RiGathon-2021.
- Kavya B (20BTT020) participated and secured second place in DRONEFEST as a part of MISSILE MAN FEST on 15.10.2021.



ARDENT ACHIEVERS



Rohith (18BTT001) of final year has bagged the following for Triplejump

In February
7th place in Tamilnadu State Senior Athletic Championship.

In October
4th place in Tamilnadu State Senior Athletic Championship.

He has cleared the norms with a performance of 15.43 meters and has been qualified for open Nationals.

In December
Gold medal in Inter Anna University Sports Meet; 1st place norms cleared for All India Inter-University Athletic Championship. He is going to represent Anna University in Mangalore.

Hockey South Zonal Winners

- Gopikrishnan V (18BTT053)
- Kabilan E (19BTT049)
- Sudhikshan C M (19BTT029)

Volleyball Championship- 3rd place

- Kirubananthan N (20BTT021)
- Anushkumar A (20BTT003)

Cricket Phoenix Tournament Runners

- Sudhikshan C M (19BTT029)
- Suganth Vaibav G S (19BTT032)
- Chandrakumar P (19BTT038)
- Saran B (19BTT044)
- Sabareeswaran K (19BTT048)
- Prithvi V (20BTT213)

MEET OUR DEPARTMENT TALENTS!



Art by Karunya A
20BTT019

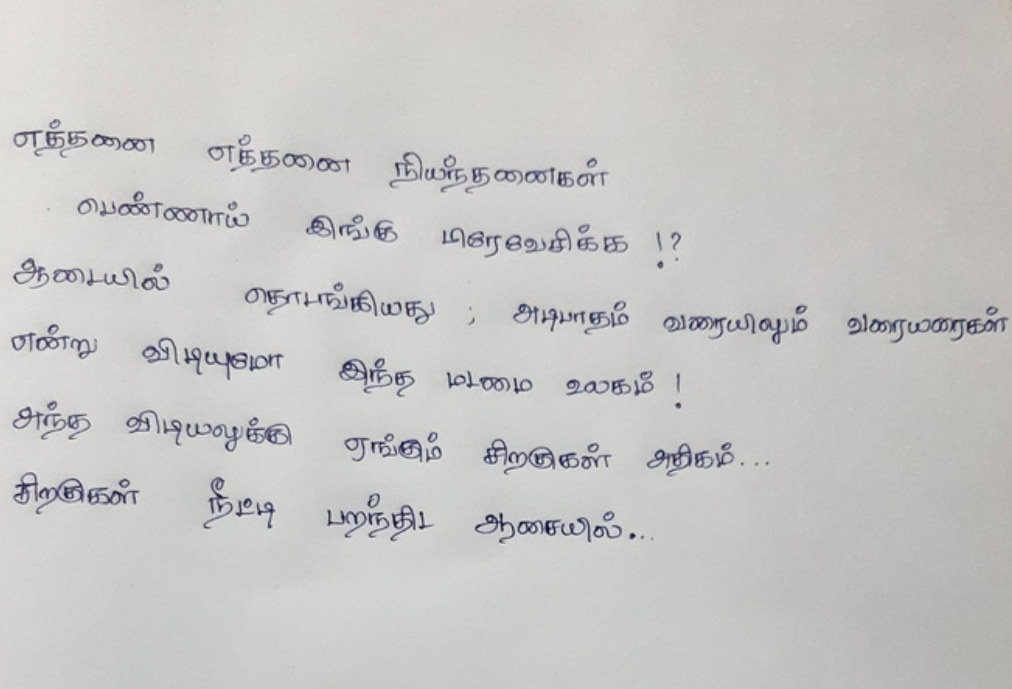
Photography by Vishnu Varsa B
20BTT043



Digital Art by Sivashankharan A M
19BTT019



Photography by
Hariharan N
19BTT010



Poetry by
Deepika T
19BTT023



The first-ever independent short story anthology by Kumaraguru students called "Hope- selected short stories about life during lockdown" was launched on 25, December 2021. It is a compilation of 9 stories written by 9 students of Kumaraguru. Smrithi P S (19BTT028) of third year is a proud co-author of the book.



Faizul Rahman S (19BTT034) of third year is a proud Deadlift Champion who has power-lifted up to 195 kg.



B.TECH (TEXTILE TECHNOLOGY)

PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

PEO: 1 Hold leadership responsibilities in Textile and related segments such as product development, production, technical services, quality assurance, and marketing.

PEO: 2 Become a successful entrepreneur in Textile and related fields and contribute to societal, technological, and industry development.

PEO: 3 Partake professional qualifications/ certifications in Textile Technology-related areas by pursuing specialized studies in engineering and business.

PROGRAM SPECIFIC OUTCOMES (PSO'S)

Engineering Graduates will be able to:

PSO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for Process Optimization, Cost and Value analysis, Productivity improvement, Solutions to quality issues, and Product development in textile and related fields.

PSO2: Demonstrate learned techniques, experiments, modern engineering tools, and software to estimate the optimum utilization resources such as raw materials, machinery, manpower and to predict the properties of fibre, yarn, fabric, and garments as per the end uses

EDITORS

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



Smrithi P S (3rd year)
Media and Documentation head



<https://www.kct.ac.in/programmes/textile-technology/>
<https://www.kct.ac.in/>