



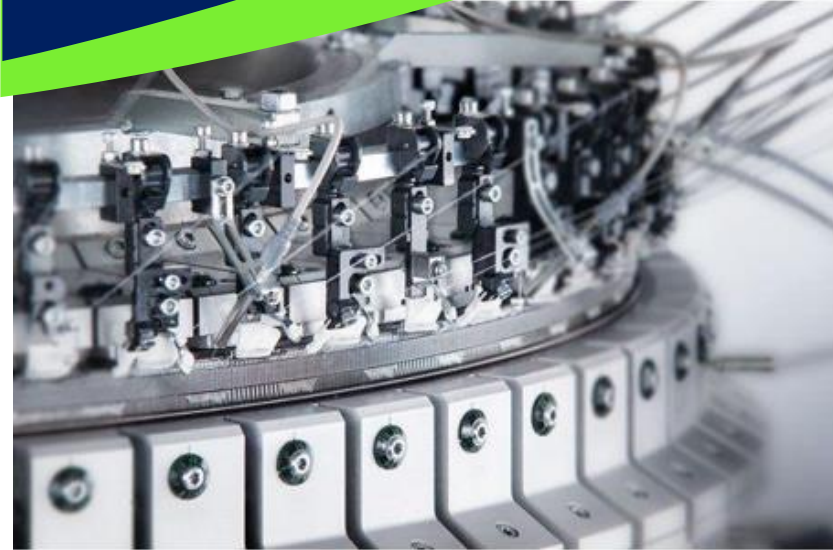
NEWSLETTER



KUMARAGURU
college of technology
character is life

DEPARTMENT OF TEXTILE TECHNOLOGY

**VOL-5, ISSUE:2
JULY-DECEMBER 2024**



FROM THE DEAN'S DESK

We are happy to present yet another edition of newsletter from the department of textile technology. In the intervening period of 6 months from July to December 2024, the department has undertaken various academic activities that are crucial to the students learning and betterment.

All the students of current final year have undertaken internship during their 3rd year annual holidays at various industries and research institutions across the country. Kudos to the department faculties in helping the students getting these opportunities. This includes a few of our students visiting the University of Liberec at The Czech Republic. The third-year students have also been provided with a six-day Entrepreneur development on medical textiles provided by SITRA. The second-year students have visited Poomex Spinning mills for better understanding of Spinning technology.

In line with the Institute's objective of bringing more Scopus papers, five papers have been authored by the department faculty. Non-scopus papers have also been regularly brought out by the faculty. The department is committed to bring in more papers under Scopus purview.

Apart from the above, I am happy to note that our faculty have attended 15 workshops and FDP and made 7 visits as a resource person to various institutes. Seven guest lectures, and thirteen technical programs have been conducted. About 14 productive interactions were held with various industries by the faculty and some of them involved students too. Visits to TANCOIR, ICAR Sugarcane breeding institute, and Tamil Nadu Zari Limited are noteworthy. Consultancy continues to bring revenue and opportunity to serve students and dependent industries.

Student Association conducted many events including workshops. Their work is appreciable and the faculty coordinator. Students have done exceptionally well, and they received appreciation for the academic meritorious performances and showing their skills on Arts and Sports. Overall, a very satisfactory pass of period and we hope that this will be exceeded and bettered in the coming months with cooperation and focus from faculty, and technical staff and students.

Best Regards

A.Pavendhan
Associate Dean
Textile Cluster

FROM THE HOD'S DESK

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. 5, Issue.2, 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 July- December 2024. 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

Dr.V.Ramesh Babu
Head & Professor

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Workshops/FDP Attended

SL.NO	NAME OF FACULTY	WORKSHOP - SEMINAR - GUEST LECTURE	TOPIC -TITLE	TOTAL NUMBER OF DAYS
1	Dr.S.Ariharasudhan	FDP	Summer Faculty Training	14
2	Dr. P.CHANDRASEKARAN	FDP	Summer Faculty Training	14
3	Ms.R.Sukanya Devi	FDP	Summer Faculty Training	14
4	Dr.S.Natarajan	FDP	Certified Innovation Professional	4
5	Dr. P.Chandrasekaran	FDP	NPTEL-AICTE FDP on science of clothing comfort	84
6	Dr.P.Chandrasekaran	Exhibition	Textile exhibition - SIMA TEXFAIR 2024	1
7	Dr.S.Ariharasudhan	Workshop	KLDA coordinated Workshop-1 on Orienting Faculty for Publishing	Half a day
8	Dr. M.Saravanan	Workshop	KLDA coordinated Workshop-1 on Orienting Faculty for Publishing	Half a day
9	Dr.S.Ariharasudhan	Exhibition	Textile exhibition - SIMA TEXFAIR 2024	1
10	Dr.V Ramesh Babu	Conference	Viksit Bharat - Technical Textiles for Sustainable Growth & Development", an International Conference and Exhibition at Hotel Ashoka, New Delhi-reg.	2
11	Dr.N. Srikrishna	Technical Seminar	Joint Seminar of TUV Rheinland & The Microfibre Consortium 2024	1
12	Dr.Saminathan R	Technical Seminar	Joint Seminar of TUV Rheinland & The Microfibre Consortium 2024	1
13	Dr.P.Chandrasekaran	Exhibition	Textile exhibition - SIMA TEXFAIR 2024	1
14	Dr.S.Ariharasudhan	Workshop	KLDA coordinated Workshop-1 on Orienting Faculty for Publishing	Half a day
15	Dr. M. Saravanan	Workshop	KLDA coordinated Workshop-1 on Orienting Faculty for Publishing	Half a day

Faculty as resource person

S.No.	FACULTY NAME	TYPE OF ACTIVITY	TITLE OF ACTIVITY	ACTIVITY ORGANISED BY	DATE
1	Dr.Saminathan R	BoS Member	BoS Meeting	Sharda University, Agra	6.6.2024
2	Dr.V.Ramesh Babu	Eight-Day Professional Development Programme	"Sustainable Approaches in Fashion and Textile Systems	Amity University Chhattisgarh	15th–22th July 2024
3	Dr.V.Ramesh Babu	8 Days Faculty Development Program	Hands on Fashion Industry	SRM Institute of Science and Technology, Ramapuram, Chennai-600089	12.7.2024 to 20.7.2024
4	Dr.S.Sundaresan	Guest Lecture	Non Wovens and its applications	PSGR Krishnammal College for Women, Coimbatore	26.07.2024
5	Dr.S.Sundaresan	Workshop	Woven Fabric Structure and Design	PSGR Krishnammal College for Women, Coimbatore	26.07.2024
6	Dr.M.Saravanan	Guest Lecture	Non Wovens and its applications	PSGR Krishnammal College for Women, Coimbatore	26.07.2024
7	Dr.M.Saravanan	Workshop	Woven Fabric Structure and Design	PSGR Krishnammal College for Women, Coimbatore	26.07.2024



Visit to Tamil Nadu Zari Limited by Kumaraguru College of Technology on 28-11-2024

Guest Lecture Organized

S. No.	TOPIC OF GUEST LECTURE	NAME AND DESIGNATION OF THE EXPERT	NAME OF THE INDUSTRY - INSTITUTE	DATE
1	Recent development of Regenerated cellulosic fibres and its applications	Mr. R. Nagasaravanesh Sales Manager,	South Zone 2 Aditya Birla Cellulose, Coimbatore	19.09.2024
2	Recent development of Regenerated cellulosic fibres and its applications	Mr. R. Nagasaravanesh Sales Manager,	South Zone 2 Aditya Birla Cellulose, Coimbatore	19.09.2024
3	Sustainability in Garment Processing	Mr. S.P. Sivasubramanian	Green Story, Chennai	18.09.2024
4	Technical Lecture Session on "Nonwoven Process Technologies and End Use Applications"	Dr. Vasanthakumar Narayanan, Nanosyntex Pvt. Ltd., 303 N Fairmont Ave, Morristown, Tennessee 37814-3700	Nanosyntex Pvt. Ltd., USA	20.09.2024
5	Career Options after Graduation	Mrs. Nagalakshmi, Business Development Executive, Carrer Zone, Coimbatore	Carrer Zone, Coimbatore	24.09.2024
6	Orientation on Higher Studies for Pre-final year students	Mr. Mr. N V Subrahmanyam, Partner, KC Overseas Centre, Coimbatore Director, T.I.M.E., Coimbatore	KC Overseas Centre, Coimbatore	25.09.2024
7	Advancement in spinning prieparatory	1.Mr.Sathish .S , Customer support manager (Spinning Expert) 2. Mr.Arumugam, Customer Support Engineer,(Spinning Preparatory Expert)	LMW	09.09.2024



The Department of Textile Technology organized an engaging lecture session on 9th September 2024. The lecture was delivered by Mr. Sathish S., Training Head, and Mr. Arumugam, Manager, from Lakshmi Machine Works (LMW). The session focused on Spinning Preparatory Technologies, covering advancements and key features of modern spinning machinery.



The Department of Textile Technology, Kumaraguru College of Technology, organized a highly informative technical lecture session on 20th September 2024. The session was delivered by Dr. Vasanth Narayanan, Ph.D., from NanoSynTex, Inc., Texas, USA. The lecture topic, “Nonwoven Process Technologies and End-Use Applications”, attracted significant participation from students and faculty members.



Shri Rajeev Saxena, Joint Secretary, Ministry of Textiles, and the Mission Coordinator of National Technical Textiles Mission @ Viksit Bharat- International Conference on Technical Textiles for Sustainable Growth & Development @ New Delhi..on 6th and 7th September 2024.

Programmes Organised

S. No	TYPE OF PROGRAM ORGANISED	TITLE OF THE PROGRAM	DURATION		DETAILS OF RESOURCE PERSON
			From	to	
1	Open day	Open day	22.06.2024	22.06.2024	Not applicable
2	Textile Exhibition	SIMA Texfair 2024	21.06.2024	24.06.2024	Not applicable
3	Exhibition	Handloom Day Exhibition cum Sale	18-07-2024	19-07-2024	Mrs.Visalakshi, General Manager, SRS Society Sirumugai
4	Training to Technicians	Training to technicians in RIETER R923 Rotor Spinning Machine in Spinning Laboratory	20-07-2024	20-07-2024	Mr.V.Sukumar, Assistant Manager, RIETER India Limited, Coimbatore.
5	Handover ceremony for Rieter R923 rotor spinning machine	Handover ceremony for Rieter R923 rotor spinning machine	22-07-2024	22-07-2024	Mr.Prasantha Deka, Country Managing Director, RIETER India Limited
6	KCT -TEXCOMS worldwide interaction	KCT -TEXCOM world interaction	23-07-2024	23-07-2024	At KUMAR, Vice President, TEXCOMS WORLDWIDE
7	Initial meeting	Initial online meeting for collaboration-MoU with Tiangong University China	07-09-2024	07-09-2024	Richard Qi, International relations Officer, Tiangong University, China
8	International Workshop	One Day Orientation Program of Networking In Social Media	13-08-2024	13-08-2024	Mr. Kumar AT, VP-TEXCOMMS WORLDWIDE, SINGAPORE
9	Workshop	Workshop on Entrepreneurship skill, attitude, and behaviour development	26.09.2024	26.09.2024	Sivasailam Parasuraman, Consultant and Trainer, Mantle Training and Consulting, Coimbatore.
10	Workshop	Latest Advancements In Zero Liquid Discharge	09-11-2024	09-11-2024	Dr Ramesh K, General Manager (Central Projects, GCA), Subject Matter Expert - Zero Liquid Discharge (ZLD)
11	Technical Lecture	Technical Lecture Session on "Nonwoven Process	20.09.2024	20.09.2024	Dr. Vasanthakumar Narayanan, Nanosyntex Pvt. Ltd., 303 N

		Technologies and End Use Applications”			Fairmont Ave, Morristown, Tennessee 37814-3700
12	Career Guidance	Career Options after Graduation	24.09.2024	24.09.2024	Mrs. Nagalakshmi, Business Development Executive, Carrer Zone, Coimbatore
13	Career Guidance	Orientation on Higher Studies for Pre-final year students	25.09.2024	25.09.2024	Mr. Mr. N V Subrahmanyam, Partner, KC Overseas Centre, Coimbatore Director, T.I.M.E., Coimbatore



The TexNet365- showcasing the fruitful collaboration between Aladdin365 and the esteemed institution. Through thought-provoking extempore sessions and an interactive quiz competition, students engaged deeply with industry-relevant topics, demonstrating their passion and knowledge in the textile sector.

Collaborative Activities

S. No. Date	DATE	TITLE OF THE COLLABORATIVE ACTIVITY	NAME OF THE COLLABORATING AGENCY WITH CONTACT DETAILS	NAME OF THE PARTICIPANT	NATURE OF THE ACTIVITY
1	12.07.2024	Clarification of NTTM Tender Process	Dr.Alli Rani, Director, SVPISTM, Coimbatore	Dr.V.Ramesh Babu, Dr.S.Ariharasudhan, Dr.M.Saravanan, Mrs.R.Sukanya Devi	Training
2	14.08.2024	23rd BoS Meeting	Anna University, Chennai	Saminatha R	BoS meeting
3	08.08.2024	First DC Meeting Research Scholar Ms.Viji R.Reg No. 24257697153-Ph.D.-AR14, reg.	Dr.M.Senthil Kumar, Professor, Textile, PSG Tech.Dr. R.Prabha Asst.Professor(SG) Department of Textiles and Clothing Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore-641043	Ramesh Babu V	DC meeting
4	20.08.2024	First DC meeting for the Research Scholar Mr. Eshwar K Murthy. Reg No. "24195697104-Ph.D.-AR9"reg.	Dr.M.Senthil Kumar,Professor,Textile,PSG Tech.Dr Monica Sikka Professor and Head Department of Textile Technology Dr B R Ambedkar National Institute of Technology, Jalandhar (NITJ) Jalandhar-144008 (Pb)	Ramesh Babu V	DC meeting
5	02.09.2024	113, PAC meeting for ongoing and completed projects under DST SEED WS Scheme	DST SEED WS, GoI and Gujarat Council of Science and Technology(GUJCOST), Ahemdabad	R.Sukanya Devi	Research Presentation
6	09.09.2024	Initial discussion for pint research	Technical University of Liberec, Czech, Dr Mohanpriya V	Saminathan R	Discussion
7	21.11.2024	BoS	KSRCT - Textile Technology (UG & PG) - BoS Meeting	Dr.V.Ramesh Babu	Currivulum and Syllabus
8	25.11.2024	DC Meeting	KSRCT - Textile Technology	Dr.K.Saravanan,KSR	Synopsis meeting
9	29.11.2024	Initial discussion for IGSTC workshop	RWTH-ITA, Aachen, Germany	Shantnu bhat	Initial discussion
10	13.12.2024	Initial discussion for IGSTC workshop	Hof University, Germany	Michael Roach0	Initial discussion



*KCT-TEXCOM WORLD interaction with AT KUMAR, Vice President, TEXCOMS WORLDWIDE
23.07.2024*



*Guest lecture on Zero Liquid Discharge by Dr RAMESH K, General Manager (Central Projects,
GCA),
on 09-11-2024*

Industry Linkage

S. NO	DATE	NAME OF THE PARTNERING INSTITUTION- INDUSTRY- RESEARCH LAB WITH CONTACT DETAILS	NATURE OF LINKAGE
1	22-08-2024	Industry-Research Institute Net work	KCT -C-DAC-CODDISIA-LMW
2	21.08.2024	Industry-Institute Net work	Vital Technologies, Malumichampatti, Coimbatore
3	08.10.2024	Visit to Lenzing-To collect samples	Lenzing
4	28.11.2024	Industry consultancy work	Tamil Nadu ZARI ltd, Kancheepuram



*Handover Ceremony of the Rieter R923 Rotor Spinning Machine
The Department of Textile Technology at Kumaraguru College of Technology organized a handover ceremony for the Rieter R923 Rotor Spinning Machine on July 22, 2024*

Consultancy

S.NO	NAME OF THE FACILITY USED	CONSULTING - SPONSERING AGENCY WITH CONTACT DETAILS	REVENUE GENERATED (Amount in Rs.)
1	Moisture meter	Sachine Soorya, B.Sc Textile & Fashion design, Gandhigram Rural Institute, Gandhigram.	590.00
2	Universal Testing machine	Dhiviya Lakshmi,AP(Sel.Gr)Biomedical Engg, SREC, Coimbatore	1,888.00
3	Electrospinning	Abitha, B.Tech Textile Technology, PSG College, Coimbatore	1,180.00
4	Needle Punching, Thermal Bonding	Ramya, Ph.D Scholar, Textile and Apparel Design, Bharathiar university, Coimbatore	16,520.00
5	Universal Testing machine	Adithyaa, ME, Manufacturing Engg, GCT, Coimbatore.	1,416.00
6	Compression moulding machine	J.L.Surya, BE Mechanical Engg, Karpagam academy of higher education, Coimbatore	708
7	Computer colour matching	S.M.Naseera, Textiles and Clothing, Avinashilingam University, Coimbatore.	354.00
8	Yarn count, Strength, CSP, Twist and Single yarn strength	Nandana.R, Textiles and apparel design, Bharathiar University, Coimbatore.	472
9	Needle Punching	Anima mandal, Department of Textile and Apparel Designing, Assam agricultural university,Jorhat-13.	1,180.00
10	Needle Punching	Gowtham.R, B.Tech Textile, Final Year, Bannari Amman Institute of Technology, Sathyamangalam.	1,652.00
11	Needle Punching	Cherin Perci.R, Department of Textile Technology,, Anna University, Chennai.	944.00
12	Needle Punching	Hari Prasanth, KCG College of Technology, Chennai.	2,596.00
13	Compression moulding machine.	Dinesh.P.S, Mechanical Engg, Karpagam College of Engineering, Coimbatore.	2,360.00
14	Universal Testing machine, Impact Strength Tester	Rahul.P.L, Mechanical Engg, Karpagam College of Engineering, Coimbatore.	3,540.00



Visit to TANCOIR on 5.10.2024



Visit to ICAR-Sugarcane Breeding Institute, Coimbatore on 07.10.24

Papers Published by Faculty

Non-Scopus

Sl. No	FACULTY NAME	MONTH	YEAR OF PUBLICATION	TITLE OF PAPER
1	Dr.S.Ariharasudhan	June	2024	Specialty and Functional Yarns: An Overview, Dr. S Ariharasudhan , Dr. S. Sundaresan , A. Thambidurai , A. Arunraj, JUNE 2024. https://www.fibre2fashion.com-industry-article-10061-specialty-and-functional-yarns-an-overview
2	Dr.P.Chandrasekaran	November	2024	Development Of Hybrid Composite By Using Coir, Kenaf And Glass For Thermal Insulation "IJARIE", Vol-10 Issue-6, 2024, pp239-243.
3	Dr.P.Chandrasekaran	November	2024	Development Of Uv Protective Fabric Using Natural Herbs, "IJARIE", Vol-10 Issue-6, 2024, pp 375-379 .



The Silver Jubilee Celebrations of the 1995-1999 batch of Textile Technology, Kumaraguru College of Technology (KCT) were held on July 27, 2024. The event saw the participation of 26 alumni out of the total class strength of 36, marking a significant turnout for this milestone occasion.

Papers Published by Faculty

Scopus

Sl. No.	FACULTY NAME	MONTH OF PUBLICATION	YEAR OF PUBLICATION	TITLE OF PAPER	IMPACT FACTOR
1	Dr.Ariharasudhan S	July	2024	Natarajan S, Ariharasudhan S, V RB, Santhanam S. Process Optimization for Coating of Acanthus Illicifolius Extract on Silk Sutures. AATCC Journal of Research. 2024;0(0). doi:10.1177-24723444241257540	0.6
2	Dr.SaravananM	August	2024	Effect of natural agents on the Mechanical and Flame Retardant properties of cotton fabrics – Finishing Technique-	
3	Dr.V.Ramesh Babu	October	2024	Maanvizhi, M., & Babu, V. R. (2024). Effects of sewing thread filament fineness on moisture management properties of seams. Indian Journal of Fibre & Textile Research (IJFTR), 49(3), 385-392.	0.6
4	Dr.V.Ramesh Babu	October	2024	Maanvizhi, M., Prakash, C., & Babu, V. R. (2024). Influence of sewing thread fineness and seam type on thermal properties of seams. Indian Journal of Fibre & Textile Research (IJFTR), 49(3), 330-336.	0.6
5	Dr.V.Ramesh Babu	October	2024	T S Geethanjali,C Prakash,V Ramesh Babu,Effect of bamboo-silk blending on moisture management characteristics of fabrics. (2024). Indian Journal of Fibre & Textile Research. https://doi.org/10.56042-ijftr.v49i3.12503	0.6

Papers Reviewed by Faculty

Sl. No	FACULTY NAME	TITLE OF PAPER	NAME OF JOURNAL
1	Dr.Saminathan R	Spontaneous Imbibition in Thin Anisotropic Fibrous Media – Experiments and Numerical Modeling	Textile Research Journal
2	Dr.Saminathan R	Illumination correction for dyed products with spotted hyena optimizer and regularized extreme learning machine	Journal of the Textile Institute
3	Dr.Saminathan R	Valorization of Bark of Butula lenta Plant: Extraction and Characterization of Starch for Textile Application	Journal of Engineering
4	Dr.S.Ariharasudhan	Experimental study on protective performance of ACF sandwich composites with different configurations in high-velocity impact	Journal of Industrial Textiles
5	Dr.V.Ramesh Babu	Numerical Analysis of Heat Transfer in Porous Textiles and Clothing Microclimate	Textile Research Journal
6	Dr Saminathan R	Chitosan as a Sustainable Template for Enzymatic Textile Dyeing: Enhancing Process Efficiency and Fabric Functionality	Journal of the textile institute
7	Dr Saminathan R	Construction of a full color gamut color mixture model and neural network color prediction algorithm for rotor spinning melange yarn	Journal of the textile institute
8	Dr Saminathan R	Spontaneous Imbibition in Thin Anisotropic Fibrous Media – Experiments and Numerical Modeling	Textile Research Journal
9	Dr.Saminathan R.	Evaluation of dyeing performance and antimicrobial activity of cellulose-based biomaterials	Cellulose
10	Dr.Ariharasudhan.S	JIT-24-0098.R1 - Experimental study on protective performance of ACF sandwich composites with different configurations in high-velocity impact	Journal of Industrial Textile
11	Dr.Ramesh Babu V	Carbon Nanotubes-Epoxy Composites; Material for Modern Age	IJRTE
12	Dr.S.Sundaresan	Research on constant tension yarn transfer control technology based on AGA-PID and FOC algorithm	TRJ
13	Dr.S.Sundaresan	A Constant Residual Tension Control Method for the Precision Winding of Yarns	Textile Research Journal
14	Dr.V Ramesh Babu	Optimized Model Formulation through Product Mix Scheduling for Profit Maximization in Apparel Industry	AuTEX
15	Dr.V Ramesh Babu	Determinants of location changes in the clothing industry in Poland	AuTEX
16	Dr.N. Srikrishna	Carpet with Good Indoor Air Quality – A Technical Appraisal	Journal of Textile Association

17	Dr.M.Saravanan	Evaluation of low-stress mechanical properties of cut protective workwear made by using filament twisted core sheath yarn	Tekstilec
18	Dr.M.Saravanan	Shielding properties of hybrid knitted fabrics: Reflection and absorption	Journal of Industrial Textiles
19	Dr.M.Saravanan	Hydrophobic modification of TPU films for use in storm-resistant fabrics	AATCC Journal of Research
20	Dr.S Sundaresan	Recycled Carbon Fiber Heavy Tows for Thermoset Composites Part I: A Novel Twist-Free Approach."	Journal of Industrial Textiles
21	Dr.Saminathan R.	Pretreatment of granatum dye solution and its application in eco-dyeing of wool	Journal of the Textile Institute
22	Dr.Saminathan R.	Effect of physical properties of fabric under dry-cold stimulation on wetness illusion	Textile Research Journal
23	Dr.Saminathan R.	Chitosan as an Eco-Friendly Template for Enzymatic Textile Dyeing with Horseradish Peroxidase: Improving Efficiency and Fabric Functionality	Journal of the Textile Institute
24	Dr.R.Saminathan	Sustainable and Eco-Friendly Natural Dyes: A Holistic Review on Sources, Extraction and Application Prospects	The Journal of the Textile Institute
25	Dr.M SARAVANAN	Performance Properties of Cotton-Cashmere Elastane and Cotton-Soybean Elastane Woven Denim Fabrics	Journal of Natural Fibers
26	Dr V Ramesh Babu	Advances in Composite Structures: A Systematic Review of Design, Performance, and Sustainability Trends	International Journal of Emerging Science and Engineering (IJESE)
27	Dr.S Sundaresan	Yarn Quality Analysis by using Computer Vision and Deep Learning Techniques	Textile Research Journal
28	Dr V Ramesh Babu	Effect of physical properties of fabric under dry-cold stimulation on wetness illusion	Textile Research Journal
29	Dr.Ariharasudhan S	Qualitative and Quantitative Analysis of Human Hair in Wig Products by Near-Infrared Spectroscopy	Journal of Industrial Textiles
30	Dr.S Sundaresan	Yarn Quality Analysis by using Computer Vision and Deep Learning Techniques	Textile Research Journal
31	Dr.S Sundaresan	Effect of electrolytic water immersion on degumming and fiber properties of industrial hemp by enzymatic process	Textile Research Journal
32	Dr.Saminathan R	Pretreatment of granatum dye solution and its application in eco-dyeing of wool	Journal of the Textile Institute
33	Dr.Saravanan M	Hydrophobic modification of TPU films for use in storm-resistant fabrics	AATCC Journal of Research
34	Dr.Saravanan M	Research and mechanism analysis on the change of clothing comfort perception in motion	Journal of Industrial Textiles



*National Handloom Day 2024 Exhibition Cum Sale at Kumaraguru College of Technology
On the occasion of National Handloom Day 2024, the Department of Textile Technology at
Kumaraguru College of Technology hosted an Exhibition cum Sale featuring the Sri
Sirumugaipudur Cooperative Weavers Society from Srimugai.*



*Six-Day Entrepreneur Development Training Programme in Medical Textiles
Date: July 6-12, 2024 at South India Textile Research Association (SITRA), Coimbatore*

Industrial Tours

S. No	NAME AND ADDRESS OF THE COMPANY	DATE OF VISIT(From)
1	Poomex Spinning , Koduvai	12.09.2024



Industrial Visit to Poomex Spinning Koduvai on 12/09/2024



Kumaraguru College of Technology's Textile Cluster participated in the "SIMA TEXFAIR 2024," the largest expo for textile machinery, accessories, and spares, held from June 21-24, 2024, at the CODISSIA Trade Fair Complex, Avinashi Road, Coimbatore.

Students Internships

S. No	DATE_FROM	DATE_TO	ROLL NUMBER	NAME OF THE STUDENT	NAME
1	20-05-2024	20-07-2024	21BTT203	S.Harshitha Sri	under NTTM GIST 2.0 scheme at The South India Textile Research Association, Coimbatore
2	20-05-2024	20-06-2024	21BTT038 21BTT206	S.Sri Hari & M Mohan Kumaravel	under NTTM GIST 2.0 scheme at SMPP Pvt. Ltd, New Delhi
3	5-21-2024	20-06-2024	21BTT210	Uragonda Vidya Charan	Aditya Birla, Mumbai
4	21 st June 2024 – Till Date	21 st June 2024 – Till Date	21BTT001	Aakash B	Ramco Textiles, Rajapalayam
5	05.02.2024	05.05.2024	21BTT042	Vetrivel C	Teachnook, Bangalore
6	18.12.2023	18.05.2024	21BTT204	Hemant P	Jay Jay Mills, Perundurai
7	18.12.2023	18.05.2024	21BTT209	Vigneswaran S	Jay Jay Mills, Perundurai
8	02.01.2024	02.05.2024	21BTT038	Srihari A	PICK YOUR TRAIL, Chennai
9	27-05-2024	27-07-2024	21BTT020	Nevethaa M V	Amphisoft Technologies katoor street, Coimbatore-641037
10	20.05.2024	07.06.2024	21BTT033	Shruthika R. Rajan	CSIR CLRI "CSIR CLRI Adya Chennai, 600020"
11	1.06.2024	20.06.2024	21BTT021	Nikshithasri P	Royal Hifi Fashion 31-4a NVB LAYOUT CHELLAM NAGAR MANGALAM ROAD PARAPALAYAM TIRUPUR
12	01-06-2024	30-06-2024	21BTT002	Adarsh P	Sri Balaganapathy spinning mills 203-5 alangulam road,s.thirukothaiapuram, rajapalayam,626136
13	01-06-2024	30-06-2024	21BTT007	Ganeshkumar P	Sri Balaganapathy spinning mills 203-5 alangulam road, Thirukothaiapuram, rajapalayam,626136

14	27-05-2024	17-06-2024	21BTT006	Elango S	Aalayaa Mills private limited S.F.NO:291, Nettavelampalayam, AnangurPost,Tiruchengode
15	01-06-2024	30-06-2024	21BTT009	Gokularajan C	Sri Balaganapathy spinning mills 203-5 alangulam road, Thirukothaiapuram, rajapalayam,626136
16	25-05-2024	30-06-2024	21BTT010	Gokulnaath VS	Vel spinning m ills S F No 273-1,sengali palayam, uthampalayam, vellakoil
17	06-01-2024	20-06-2024	21BTT012	Harshini J	Royal hifi fashion 31-4a NVB Layout, Mangalam road Parapalayam, Tirupur
18	01-06-2024	30-06-2024	21BTT014	Jaswanth S D	SRI DEEKSHA EXPORTS 10-316A KK NAGAR, SATHYAMANGALAM, ERODE
19	27-5-24	15-6-24	21BTT015	Jeya varshini J	Pentagon Garment Industrial estate, 1-407, D.P-2,SIDCO, Sulakkarai, Virudhunagar
20	06-01-2024	25-6-2024	21BTT016	Kaviesh S	Jeevidhan Warping Sizing Mill 248-2,Poochakattu Thootam, N.Pallipalayam, Nasiyanur, Erode
21	01-06-2024	01-07-2024	21BTT019	Laksha Briendel X	Master Linens Inc 413-2&4,Sengalapuram, Aravakuruchi,Karur-639002
22	04-06-2024	04-07-2024	21BTT020	Naveen ganesh M	Shahi exports PVT LTD 37-1B-Arekere village bannerghatta Mainroad Bangalore-560076
23	06-01-2024	20-06-2024	21BTT021	Nikshithasri P	Royal hifi fashion 31-4a NVB Layout, Mangalam road Parapalayam, Tirupur
24	27-05-2024	15-06-2024	21BTT022	Pooja V	ANP Spinning mill 30A.A Avinashi road,maharishi mahal opposite ,Annur.

25	3-5-24	5-6-24	21BTT024	Pratheep S	Senthil kumar textiles 168-2A,Vayankadu, Unjappalam Road, Somanur
26	27-05-2024	17-06-2024	21BTT023	Prasanth V	AAlayaa Mills private limited S.F.NO:291,Nettavelampalayam, Anangur Post, Tiruchengode
27	01-05-2024	30-5-2024	21BTT025	Renish raam P T	SRRI KEERTHI MILLS 141-1, kiluvankkadu, Veerappam palayam, thindal, Erode
28	06-01-2024	20-06-2024	21BTT027	R. Sabarmathi Jeeva	Royal Hifi Fashion 314 a NVB Layout, Mangalam road Parapalayam, Tirupur
29	01-06-2024	01-07-2024	21BTT029	Sarvesh Aadith V	Jai barathi textile 3,Brinda Street, Erode-638001
30	06-03-2024	07-02-2024	21BTT030	R. Shanjeeth	Rainbow Spinners Private limited 27-1-B, Valrajapalayam, Modamangalam, Tiruchengode-637304
31	01-06-2024	01-07-2024	21BTT031	Shree Dharshini B	Master Linens Inc 413-2&4,S engalapuram,Aravakuruchi,Karur-639002
32	01-06-2024	01-07-2024	21BTT032	Shri karthik L P	Master Linens Inc 413- 2&4,Sengalapuram,Aravakuruchi,Karur- 639002
33	10-06-2024	10-07-2024	21BTT036	Sri gayathri S	KM knitwear private ltd., 14-F, Lakshmi Nagar, Tirupur, Tamilnadu, 641602
34	01-06-2024	01-07-2024	21BTT040	Tamizhthendral A	Master Linens Inc 413-2&4, Sengalapuram, Aravakuruchi, Karur-639002
35	01-06-2024	30-06-2024	21BTT041	Theerthagiri G	Hi Power textiles 41A, Sengunthapuram main road, 10th cross conner , Karur-639002
36	20-5-2024	20-6-2024	21BTT043	Vinesh E	Aruna Mills 46-B, Kovai road, Uppupalayam , Vellakovil - 638111

37	20-05-2024	29-06-2024	21BTT044	Vishal M	Vertex Impex 543-2B-1,Panapalayam,Trichy Road,Palladam-641664
38	06-10-2024	30-06-2024	21BTT201	Hariprasanth A	Arumugam spinning mills 322-6,S.Thiruvencatapuram, Rajapalayam.
39	01-06-2024	01-07-2024	21BTT205	Mahavishnu S	Master Linens Inc 413- 2&4,Sengalapuram,Aravakuruchi,Karur- 639002
40	3-5-24	5-6-24	21BTT024	Pratheep	Senthil Kumar Textiles 168-2A, Vayankadu, Unjappalam Road, Somanur
41	29-05-2024	31-07-2024	21BTT003	Arul Prakasham I	Technical university of liberec TUL, liberec, Czech republic
42	10-6-2024	03-07-2024	21BTT017	Keerthivasan M	SRE SIVASELVE TEXTILES 138-1A,kumarapalayam Mulayampoondi post Vellakoil via Tiruppur district 638111
43	10-06-2024	03-07-2024	21BTT008	Gokul selvan S	Sre Sivaselvi Textiles 138-1A,kumarapalayam Mulayampoondi post Vellakoil via Tiruppur district 638111
44	06-01-2024	20-06-2024	21BTT005	Dharshan vikas	Eden exports B - 57, Mayapuri, Industrial Area, Phase -1, New Delhi 110064,
45	15-06-2024	25-06-2024	21BTT037	Sri harshini. A	SRV Kint Garments 237-2, Amman nagar, erode, mainroad, peramallur, Tirupur-641666
46	01-06-2024	30-06-2024	21BTT208	Sathish.R	Indriaa Mills 2-464-A,Kuttai kadu, Samigoundenpalayam, KSN puram (post),Palladam-641662
47	06-01-2024	20-06-2024	21BTT034	Somesh balaje R	Sri Santhanalakshmi Spinners Private Limited SF No.: 464, 465, Patharai, Near Veppadai, Sowthapuram (P.o.), Pallipalayam, Namakkal (Dist.), Erode - 638 008. (T.N),
48	09-06-2024	14-6-2024	21BTT202	Harish. D	Rajapalayam Mills Limited (Ramco) P.A.C.Ramasamy Raja

					Salai,(p.o),Rajapalayam,Tamil Nadu,Pin:626117.
49	06-01-2024	20-06-2024	21BTT028	Saran PS	Sri Gurulakshmi Sizing Mill 1-200-periyakadu avinashi post Tirupur-641654
50	29-05-2024	31.7.2024	21BTT004	Darun	Technical university of liberec TUL, liberec, Czech republic
51	29.05.2024	31.07.2024	21BTT035	Sowby Hydon	Technical university of liberec TUL, liberec, Czech republic
52	29.05.2024	31.07.2024	21BTT003	Arul prakasham I	Technical university of liberec TUL, liberec, Czech republic



*International Summer Internship Program from 29th May to 31st July 2024 at
Technical University of Liberec, Czech Republic*

Student Participation competition

S.No.	Roll number	Name of the student	Program Type	Name of Event	date_from	date_to
1	21BTT015	Jeya Varshini	Quiz Competition	Kasthuri Srinivasan memorial Textile Quiz 2024	14/9/2024	14/9/2024
2	21BTT033	Shruthika R Rajan	Quiz Competition	Kasthuri Srinivasan memorial Textile Quiz 2024	14/9/2024	14/9/2024
3	22BTT005	Charan Kumar A	Quiz Competition	Kasthuri Srinivasan memorial Textile Quiz 2024	14/9/2024	14/9/2024
4	22BTT041	Vishnu RK	Quiz Competition	Kasthuri Srinivasan memorial Textile Quiz 2024	14/9/2024	14/9/2024
5	21BTT031	Shree Darshini B	Quiz Competition	Kasthuri Srinivasan memorial Textile Quiz 2024	14/9/2024	14/9/2024
6	21BTT019	Laksha Briendel X	Quiz Competition	Kasthuri Srinivasan memorial Textile Quiz 2024	14/9/2024	14/9/2024
7	22BTT020	Obuli Manikandan O	Quiz Competition	Kasthuri Srinivasan memorial Textile Quiz 2024	14/9/2024	14/9/2024
8	22BTT018	Muthumeena S	Quiz Competition	Kasthuri Srinivasan memorial Textile Quiz 2024	14/9/2024	14/9/2024
9	22BTT009	Gopika S	Quiz Competition	Kasthuri Srinivasan memorial Textile Quiz 2024	14/9/2024	14/9/2024
10	22BTT001	Aishwarya A	Quiz Competition	Kasthuri Srinivasan memorial Textile Quiz 2024	14/9/2024	14/9/2024
11	22BTT037	Surjitha.S	MSME Ideathon	MSME Ideathon	04.11.2024	04.11.2024
12	22BTT037, 21BME025	Surjitha.S, Gourav.S	MSME Ideathon	MSME Ideathon	04.11.2024	04.11.2024

Students Publications

S.No.	Roll number	Name of the student	Name of the event/ conference	Date	State/ National/ international/	Organised by
1	22BTT037	S.Surjitha	TechnoVIT'24	20.09.2024	International	VIT, CHennai
2	21BTT203, 21BTT207	Harshitha Sri.S, Nevetha.M.V	International Conference on Sustainable Fashion and Technical Textiles (ICSFT)	12.11.2024	International	Lovely Professional University
3	21BTT014, 21BTT039, 21BTT043	Jaswanth.S.D, Subash.S, Vinesh.E	International Conference on Sustainable Fashion and Technical Textiles (ICSFT)	12.11.2024	International	Lovely Professional University

Career Guidance

S.No	Date from	Date to	Details of Program / Activity	Agency that conducted the activity
1	24.09.2024	24.09.2024	Career Options after Graduation	Mrs. Nagalakshmi, Business Development Executive, Carrer Zone, Coimbatore
2	25.09.2024	25.09.2024	Orientation on Higher Studies for Pre-final year students	Mr. N V Subrahmanyam, Partner, KC Overseas Centre, Coimbatore Director, T.I.M.E., Coimbatore

B.Tech (Textile Technology)

PROGRAMME 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 specialised studies in engineering and business.

PROGRAMME SPECIFIC OUTCOMES (PEO'S)

Engineering Graduates will be able to:

PSO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialisation for Process Optimisation, 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 utilisation resources such as raw materials, machinery, manpower and to predict the properties of fibre, yarn, fabric, and garments as per the end uses

Editors

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