



KUMARAGURU
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character is life

DEPARTMENT OF TEXTILE TECHNOLOGY

NEWSLETTER

January - June 2021

Volume 2 - Issue 1

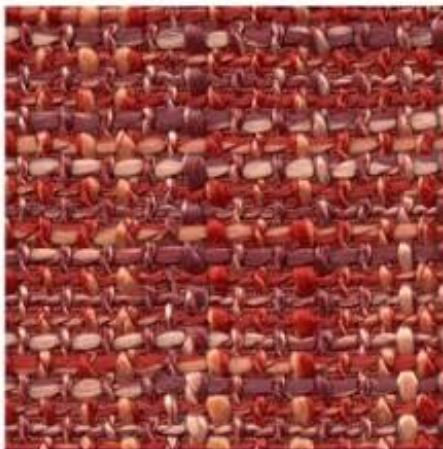
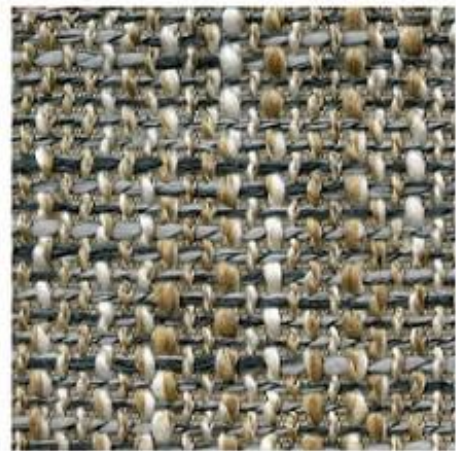


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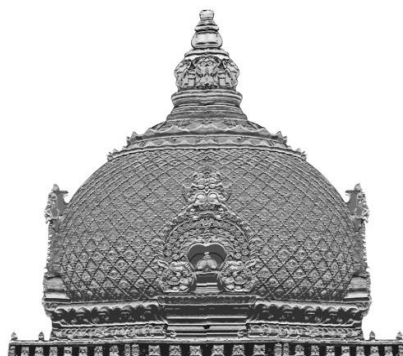
From the HoD's Desk



Dr.V.Ramesh Babu, Head & Associate Professor

Department of Textile Technology was started in the year 1995 with the Objective of imparting comprehensive knowledge in all the faces of Textile Manufacture to students through UG & PG programmes. Professionally well qualified, highly experienced faculty members and 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 college location in the Textile City, Coimbatore. The accreditation status has been awarded to the B. Tech Textile Technology undergraduate programme by 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.1, bi-yearly publication that showcases the faculty activities, student activities, research activities, Alumni activities and Program organized in the Department from January - June 2021. Its mission is to become a voice of the textile department, addressing faculty, industry persons and alumni and other stake holders of Textile Technology. Finally, I would like to express my appreciation to the faculty and students who contributed to get ready this Newsletter. I hope you will enjoy reading these newsletter, and know the department achievements, Vision and Mission, Programme Educational Objectives and Program Specific Outcomes etc.,



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 to leadership.

DEPARTMENT

VISION

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

MISSION

- Develop industry relevant curriculum, innovative teaching and project-based learning methods that enables 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 to develop entrepreneurship skills.
- Undertake inter-disciplinary research and development/ Internship/Consultancy in the field of Textile Technology to support the industry and society.

FACULTY ACTIVITIES

Faculty as Resource person

1. Dr.V.Ramesh Babu acted as Resource person and Delivered lecture on topic on Scope of Research and Innovation in Handloom Textiles for the Seven Day Online training Programme on Environmental Sustainability and Research Ethics organized by the Department of Textiles and Clothing, the School of Home Science of our Institute which was sponsored by UGC STRIDE on 08.02.2021.
2. Dr.V.Ramesh Babu acted as Resource person and Delivered Lecture on Delivered an invited lecture on Covid 19 Pandemic Spurs Innovation in Healthcare Textile in "TEXCON-2021" a National Conference on "New world of textiles: shaping for the future" held on 18th & 19th February 2021 organized by SHRI VAISHNAV Vidyapeeth vishwavidyalaya, Indore, Shri Vaishnav Institute of Textile Technology on 18.02.2021 to 19.02.2021.
3. Dr.V.Ramesh Babu acted as Resource person and Delivered Lecture on Two Days -International Virtual Conference on-Change makers and innovators in sustainable fashion Industry- CMISFI'21'-KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)- Delivered a guest lecture in the topic" Sustainability in Apparel Manufacturing through Automation" on 25.03.2021.
4. Dr.M.Saravanan acted as Resource person and Delivered Lecture on Guest lecture delivered in Value added course organized by Department of Textile Department Kumaraguru College of Technology, Coimbatore on 09.03.2021.
5. Dr.M.Saravanan acted as Resource person and Delivered Lecture on Guest lecture delivered in Value added course organized by Department of Textile Department Kumaraguru College of Technology, Coimbatore on 17.02.2021.
6. Dr.S.Ariharasudhan acted as Resource person and Delivered Lecture on Guest lecture delivered in Value added course organized by Department of Textile Department Kumaraguru College of Technology, Coimbatore on 16.02.2021.

Faculty as Resource person

7. Dr.S.Sundaresan acted as Resource person and Delivered Lecture on Two Days - International Virtual Conference on-Change makers and innovators in sustainable fashion Industry- CMISFI'21'-organized by KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)- Delivered a guest lecture in the topic" Sustainability in Apparel Manufacturing through Automation" on 25.03.2021.
8. Dr.S.Sundaresan acted as Resource person and Delivered Lecture on Value added course organized by Department of Textile Department Kumaraguru College of Technology, Coimbatore on 22.02.2021.
9. Mrs.R.Sukanya Devi acted as Resource person and Delivered Lecture on in Value added course organized by Department of Textile Department Kumaraguru College of Technology, Coimbatore on 20.02.2021
10. Mr.S.Natarajan acted as Resource person and Delivered Lecture on Guest lecture delivered on Value added course organized by Department of Textile Department Kumaraguru College of Technology, Coimbatore on 24.02.2021
11. Dr.S.Sundaresan acted as Resource person and Delivered Lecture on Guest lecture delivered on Academic expert for Board of studies, organized by Bannari Amman Institute of Technology, Sathiyamangalam on 17.04.2021.
12. Dr.M.Saravanan acted as Resource person and Delivered Lecture on Guest lecture delivered on Resource person and Delivered lecture on topic "International Webinar on Technical Textiles" Organized by Kombolcha Institute of Technology, Wollo University, Ethiopia on 28.05.2021.
13. Dr.V.Ramesh Babu acted as Resource person and Delivered Lecture on AICTE ATAL FDP on Research Methodology: Design and Technology and delivered on Writing a Winning Proposal, organized by Banasthali Vidayapith..Rajasthan on 04.06.2021.

14. Dr.V.Ramesh Babu acted as Resource person and Delivered Lecture on lecture on Apparel Merchandising organized by Dept of Costume and Design at Dr.NGP College of arts and Science, Coimbatore on 03.06.2021.
15. Dr.V.Ramesh Babu acted as Resource person and Delivered Lecture on Covid-19 Pandemic Spurs Innovation in Healthcare & Hygiene Textiles, Organized by Dept. of Costume Design and Fashion, at Kongunadu arts and Science College, Coimbatore, on 09.06.2021

Ph.D. VIVA VOCE EXAMINATION

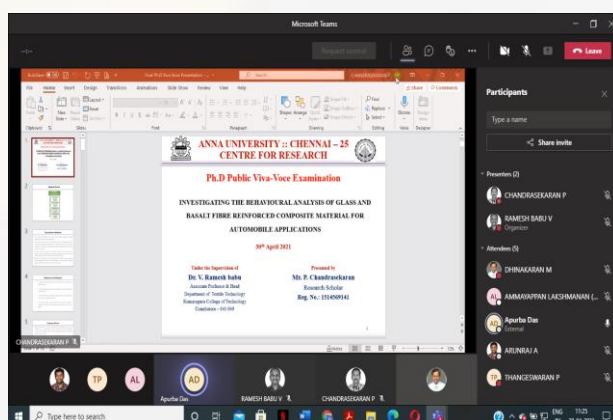
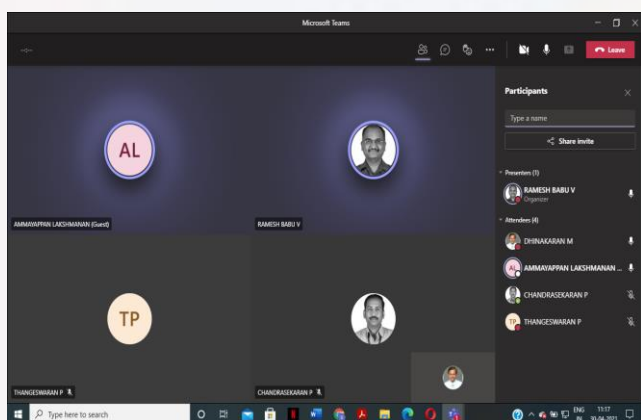
Ph.D Viva Voce Examination for **P.CHANDRASEKARAN** (AP II) was conducted on 30.04.2021 at Department of Textile Technology, Kumaraguru college of Technology.

Title of the Thesis: **Investigating the Behavioral Analysis of Glass and Basalt Fibre Reinforced Composite Material for Automobile Applications**

Dr.V.Ramesh Babu (Supervisor) Department of Textile Technology, conducted the viva voce proceedings.

Examiners:

1. Dr.Apurba Das, Professor, Department of Textile and Fiber Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi -110 016.
2. Dr.L.Ammayappan, Principal Scientist, Depart of Textile Chemistry, ICAR-National Institute of Natural Fiber Engineering and Technology, Kolkata, West Bengal-700 040.



FACULTY ACTIVITIES

WORKSHOP/FDP ATTENDED

1. M.Saravanan attended ATAL FDP on "Spectroscopical Studies in structural Analysis-Modern era Applications "From 25.01.2021 to 29.01.2021conducted by organized by Department of H&S, Hyderabad Institute of Technology and Management.
2. S.Ariharasudhan attended online AICTE training and learning (ATAL) Academy online FDP on Apparel Design from 01.02.2021 to 05.02.2021 organized by Dr.B.R.Ambedkar National Institute of Technology ,Jalandhar.
3. S.Ariharasudhan, S.Sundaresan, P.Chandrasekaran, M.Dhinakaran and M.Saravanan attended online UGC- SRIDE sponsored ten day training programme on Environmental Sustainability and Research Ethics from 03.02.2021 to 11.02.2021 organized by Department of Textile and clothing school of home science.
4. R.Sukanyadevi attended online AICTE ISTE sponsored virtual Refresher Course Bioanalytical Techniques from 19.02.2021 to 25.02.2021 organized by Department of Bio Technology Kumaraguru College of Technology, Coimbatore.
5. S.Sundaresan attended online AICTE training and learning (ATAL) Academy online FDP on Textile Design from 22.02.2021 to 26.02.2021 organized by Dr.B.R.Ambedkar National Institute of Technology Jalandhar.
6. V.Ramesh Babu, S.Sundaresan and M.Saravanan attended online Guest lecturer Webinar on Implementation of National Education Policy (NEP)-2020 on 30.01.2021 organized by Kumaraguru College of Technology, Coimbatore.
7. V.Ramesh Babu,R.Sukanya Devi,S.Ariharasudhan and P.Chandrasekaran attended online one day seminar Salt-free reactive dyeing on 22.01.2021 organized by IE(I) Coimbatore local centre in Association with Department of Textile Technology, Kumaraguru College of Technology, Coimbatore

FACULTY ACTIVITIES

WORKSHOP/FDP ATTEND

8. S.Ariharasudhan attended Three days Online International training Electrospinning of Nanofibres from 03.02.2021 to 05.02.2021 Organized by University Industry linkage Director office Wollo University.
9. S.Ariharasudhan,S.Natarajan and P.Chandrasekaran attended Two days Online International Entrepreneurship development programme on 3D printing Technology from 19.02.2021 to 20.02.2021 Organized by Wollo University.
10. S.Ariharasudhan,M.Dhinakaran and P.Chandrasekaran attended one day Webinar Technical Textiles-Prospects in India in Medical Textiles from 26.02.2021 organized by Department of Textile Technology, Kumaraguru College of Technology, Coimbatore.
11. V.Ramesh Babu attended One day International webinar on Entrepreneurship (Entrepreneur-2021) on 11.02.2021 Organized by Career Development and Entrepreneurship center, Wollo University, KIOT, Ethiopia.
12. V.Ramesh Babu and P.Chandrasekaran attended Three Days online International Training on Electro spinning of nano fibre, Polimer, Ceramic, Carbon, and Hybrid Nano fibrous structures, From 03.02.2021 to 05.02.2021 organized by University -Industry Linkage Director office, Wollo University, KiOT, Ethiopia
13. V.Ramesh Babu International Two days online International Entrepreneurship Development Program on 3 D Printing Technology(PRINT-2021) on 11.02.2021 Organized by school of Mechanical and Chemical Engineering in Association with SIVPREMA project consultant, Chennai and Wollo University Ethiopia.
14. P.Sivakumar attended International Nine days training programme Environmental Sustainability and Research Ethics from 03.02.2021 to 11.02.2021 organized by Department of Textile and clothing school of Home science.

FACULTY ACTIVITIES

WORKSHOP/FDP ATTEND

15. S.Sundaresan attended Two days national conference TEXCON-2021- "NEW WORLD OF TEXTILES: SHAPING FOR THE FUTURE" from 18.03.2021 to 19.03.2021 organized by Shri vaishnav Institute of Textile Technology.
16. S.Ariharasudhan attended Two days national conference TEXCON-2021- "NEW WORLD OF TEXTILES: SHAPING FOR THE FUTURE" from 18.03.2021 to 19.03.2021 organized by Shri vaishnav Institute of Textile Technology
17. V.Ramesh Babu,M.Dhinakaran,S.Sundaresan, S.Ariharasudhan, S.Natarajan and P.Chandrasekaran attended one day webinar Recron Polyester Staple Fibre on 29.03.2021 organized by IE(I) Coimbatore local centre in Association with Department of Textile Technology, Kumaraguru College of Technology, Coimbatore.
18. S.Ariharasudhan attended one day international webinar on Material Characterization on 02.03.2021 organized by Wollo University Institute of Technology Ethiopia.
19. M.Saravanan and P.Chandrasekaran attended AICTE-ISTE Sponsored One-week Virtual Induction / Refresher Programme (Phase-III) on Demystifying Research Metrics (DRM'21) from 16.06.2022 to 22.06.2021.
20. M.Dhinakaran, S.Sundaresan, V.Rameshbabu P..Chandrasekan, S.Natarajan, S.Ariharasudhan, M.Saravanan and R.Sukanyadevi attended one day webinar "PRODUCTION OF POLYPROPYLENE FIBER AND THEIR END USES" on 29.04.2021 organized by organized by IE(I) Coimbatore local centre in Association with Department of Textile Technology, Kumaraguru College of Technology, Coimbatore.
21. S.Ariharasudhan,S.Natarajan,M.Saravanan,P.Chandrasekaran,P.Thangeswaran & R.Sukanya Devi one day webinar "Challenges for start-up and entrepreneurship in medical textiles" on 15.05.2021 organized by organized by IE(I) Coimbatore local centre in Association with Department of Textile Technology, Kumaraguru College of Technology, Coimbatore

FACULTY ACTIVITIES

WORKSHOP/FDP ATTEND

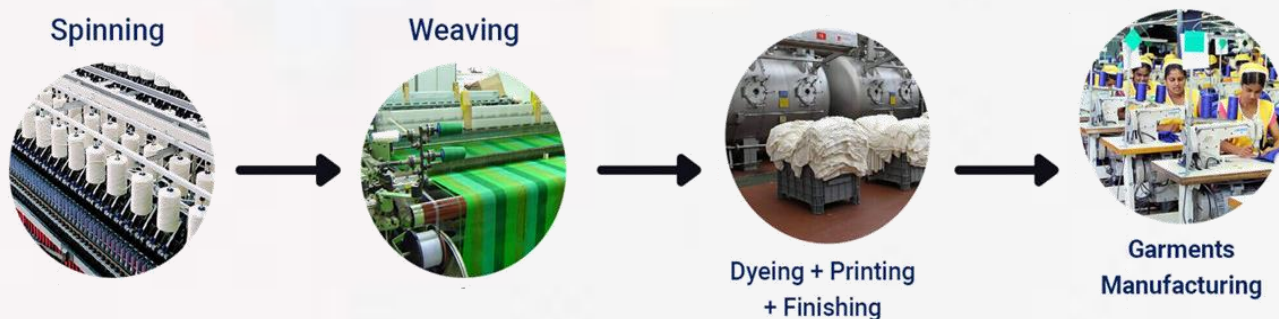
22. P.Chandrasekaran and S.Natarajan attended one day webinar “Recent Developments in Printing” on 29.05.2021, organized by Department of Textile Technology, Kumaraguru College of Technology, Coimbatore.
23. M.Dhinakaran, S.Ariharasudhan, P.Chandrasekaran M.Saravanan and Natarajan attended one day webinar “Lean Manufacturing ” on 11.06.2021 organized by Department of Textile Technology, Kumaraguru college of Technology, Coimbatore.
24. V.RameshBabu, M.Saravanan and P.Sivakumar attended the Guest Lecture “National Education Policy for Engineering Education ” on 16.02.2021 Organized by Dr. N Ramesh Babu, Principal,M. Kumarasamy College of Engineering, Karur, India

AWARDS RECEIVED BY FACULTY

- Mrs.R.Sukanya Devi received Best Poster Award From The International Water Association (IWA), TERI University, ICAP and iDeck on 05.04.2021.

AWARDS APPLIED BY FACULTY

- Dr.M.Saravanan applied INAE Young Engineer Award From Indian National Academy of Engineering in April 2021.



STUDENTS ACTIVITIES

Students' publication

1. Nagaraj J(17BTT002), Priyakanth K(17BTT029), M.Saravan and Sangeetha M(17BTT036) An Attempt to develop Eco-friendly Banners/ GIS Science Journal/ 8/ 5/ 2021
2. Manoj Kumar R(17BTT033), Gunasundar M(17BTT043), M.Saravanan and Avanthiga Abirami G(17BTT059) An attempt to develop natural easy care mask/ GIS Science Journal/ 8/ 5/ 2021
3. SANGEETHA, National Level Technical Project Contest, K-TEX Tech Challenge 2021. Kumaraguru College of Technology conducted on 29.04.2021.
4. Shathika B Kaitheki Kaviya R Abeles Am , National Level Technical Project Contest, K-TEX Tech Challenge 2021. Kumaraguru College of Technology conducted on 29.04.2021.
5. S.Roopesha,, National Level Technical Project Contest, K-TEX Tech Challenge 2021. Kumaraguru College of Technology conducted on 29.04.2021.
6. S.Roopesha competition participated “Technovation 2021” organized for Dr.B.R.Ambedkar National Institute of Technology conducted from 06.03.2021 to 07.03.2021.
7. P.Umamaheswari participated “Technovation 2021” organized by Dr.B.R.Ambedkar National Institute of Technology conducted from 06.03.2021 to 07.03.2021.



Sporttech



Geotech



Indutech



Medtech

STUDENTS ACTIVITIES

Students Participation

1. C..M.Sudhikasan and E.Kabilan A took part in the Zonal Tournaments 2020-21 and secured the Hockey Winners.
2. K.Manimaran A took part in the Zonal Tournaments 2020-21 and secured the Cricket Winners.
3. Shathika B Kaitheki Kaviya R Abeles Am participated K-TEX Tech Challenge 2021, Kumaraguru College of Technology conducted on 29.04.2021.
4. S.Roopesha participated K-TEX Tech Challenge 2021, Kumaraguru College of Technology conducted on 29.04.2021.
5. Kavisrruthi.K, Sneha.S, Kavya.M, Paramasivam.R, Harsavarthan.A.D and Sabareeswaran.K participated “ Technology and innovations in technical textiles”, organized by IE(I) and PSG College of Technology, Coimbatore on 24.04.2021.
6. Sri Sneha, Sandhiya and Manonmani participated “ Technology and innovations in technical textiles”, organized by IE(I) and PSG College of Technology, Coimbatore on 24.04.2021.
7. Suganth Vaibhav.G.S, Sudhikshan.C.M, Sivasankaran.A.M, Sindhoora.R.P and Deepika.R Participated “Technology and innovations in technical textiles”, organized by IE(I) and PSG College of Technology, Coimbatore on 24.04.2021.



Protech



Agrotech



Buildtech



Mobiltech

Students Placement

S.no	Roll no	Name	Designation offered & Name of the industry	Photo
1	17BTT001	JHAKAN PRASHAD S L	Graduate Engineer Trainee Himatsingka Linens, Bangalore	
2	17BTT004	SATHEESH KUMAR S	TR Executive SCM Garments Pvt. Limited, Avinashi	
3	17BTT005	MOUNICA K.P	Graduate Engineer Trainee Lakshmi Machine Works Limited, Coimbatore	
4	17BTT006	PRAVEEN KUMAR E	TR Executive SCM Garments Pvt. Limited, Avinashi	
5	17BTT012	KUHAN P	Merchandising Executive V marsh Textile Consultancy Services Pvt. Ltd., Mumbai	
6	17BTT015	ISHWARYA M	Trainee QC CELEBRITY FASHIONS Ltd., Chennai	
7	17BTT018	SANTHOSH KUMAR V	Trainee Best Corporation Private Limited, Tiruppur	
8	17BTT035	ARJUN.V	Sample Merchandiser Quantum Knits Private Limited, Coimbatore	
9	17BTT036	SANGEETHA M	Assistant Marketing Premier Fine Linens Private Limited, Perundurai	
10	17BTT050	MANI KANDAN M	TR Executive SCM Garments Pvt. Limited, Avinashi	
11	17BTT054	BALAMURUGAN.A	TR Executive SCM Garments Pvt. Limited, Avinashi	
12	17BTT058	PREETHI.S	Trainee QC CELEBRITY FASHIONS Ltd., Chennai	
13	17BTT202	NIVETHA A	Trainee Premier Fine Linens Private Limited, Perundurai	
14	17BTT205	UMAMAHESWARI P	Merchandiser Indian Stitches Pvt Ltd, Perundurai	

RESEARCH ACTIVITIES

PAPERS PUBLISHED BY FACULTY

1. Saravanan,D., Gopalakrishnan,M. (2021). Effect of Mordant and Dye Concentration on Durability of Red Soil Dye on Cotton Fabrics. *Melliand International*. 1, 36.
2. Vijayasekar, R., & Saravanan, D. (2021). Studies on needle punched nonwoven fabrics made from natural fiber blends for oil sorbent applications. *Journal of Industrial Textiles*, 1528083721999360.
3. Geethanjali,T., Prakash,C., Ramesh Babu,V., Rajwin,A.,Jebastin. (2021), Thermal Comfort Properties of Bamboo/Silk Fabrics. *Fibres & Textiles in Eastern Europe*.29,2(146),36-40.
4. Sundaresan,S.,Arunraj,A., Abhijit raj AR, Kavin A , Tharani,T.(2021), Study on high twist yarn and its woven fabric properties, *International Journal of Advanced Research and Innovative Ideas in Education*, 7(3), 2395-4396.
5. Sundaresan,S.,Arunraj,A., Janapriya R, Jagapriya R K, Nirmal Ragav S.(2021), Study on high twist yarn and its woven fabric properties, *International Journal of Advanced Research and Innovative Ideas in Education*, 7(3) ,2395-4396.
6. Dr.M.Saravanan An Attempt to develop Eco-friendly Banners, *GIS Science Journal* on 8/ 5/ 2021.
7. Dr.M.Saravanan An attempt to develop natural easy-care mask, *GIS Science Journal* on 8/ 5/ 2021.
8. Dr.V.Ramesh Babu "TEXCON-2021" a National Conference on "New world of textiles: shaping for the future" Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore held on 18.02.2021 to 19.02.2021.
9. R.Sukanya Devi, "Conference on IPR, Patents, Copyrights, Innovation &start-ups" Pimpri Chinchwad College of Engineering, Pune, Maharashtra conducted from 18.02.2021 to 20.02.2021.
10. S.Sundaresan, Investigation Of Slub Yarn Parameters And Influence On Fabric Comfort Behavior, *International journal of advance research and innovative ideas in education*, 7(3), 702-715 national journal

RESEARCH ACTIVITIES

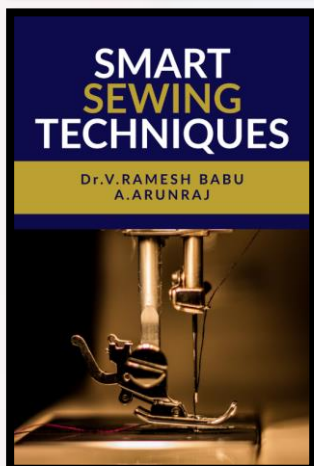
PAPERS PUBLISHED BY FACULTY

11. S.Sundaresan, Role Of Human Resource Management In Micro Small Medium Enterprises /International Journal of Scientific Research in Engineering and Management (IJSREM)/ISSN: 2582-3930,Volume: 05 Issue: 04 | April - 2021, national journal.
12. Sundaresan, Testing Of Dust Load In Departments of Textile Spinning Mill Using A Dust Evaluator instrument/international journal of advance Research And Innovative Ideas In Education/Vol-7 Issue-1 2021/1517 to 1523, Collaborative publication/ K.Saktheeswaran/ 3General Manager - Overseas Marketing, JPP Mills Pvt Ltd, Tamil Nadu, India, National.
13. S.Sundaresan, Study On High Twist Yarn And Its Woven Fabric Properties, International Journal of Advanced Research and Innovative Ideas in Education, 7(3), 655-664, national journal.
14. S.Sundaresan, Investigation of Slub Yarn Parameters And Influence On Fabric Comfort Behavior, International Journal of Advanced Research and Innovative Ideas in Education, 7(3) ,547-556 national journal



LIST OF BOOKS/CHAPTERS

1. Saravanan, D., Karthikka, M., Gopalakrishnan, M. (2021). A Sustainable Method of Colour Removal in Textile Wastewater using Nanocomposites, Springer Nature Publishing, Switzerland, 13 - 34, ISBN: 978-0-323-85829-8, ISBN: 978-0-323-85830-4(online).
2. Dr.V.Ramesh Babu and Mr.A.Arunraj (2021). Smart Sewing Techniques, Notion Press; 1st edition (27 February 2021),ISBN-10 :1638329702,ISBN-13 :978-1638329701



RESEARCH ACTIVITIES

PAPERS REVIEWED BY FACULTY

Dr.V.Ramesh Babu

- "Investigation of Performance Characteristics of 3D Printing Textiles in Terms of Production Method, Design and Material", Clothing and Textile Research Journal.
- "Prediction of sewing process standard time by support vector machine with particle swarm optimization" AuTEX.
- "Development of Aldehyde and Similar-to-Aldehyde Tanning Agents" Textile Research Journal
- "Nondestructive test technology research for yarn linear density unevenness on destructive test" AuTEX.
- "Technology research for yarn linear density unevenness" AuTEX

Dr.S.Sundaresan

- "Studies on needle punched nonwoven fabrics made from natural fiber blends for oil sorbent applications" Journal of Industrial Textiles.
- "Identification of Dynamic Contact Parameters between Contact Roller and Filament Package" Textile Research Journal.
- "Studies on needle punched nonwoven fabrics made from natural fiber blends for oil sorbent applications" journal of Industrial Textiles.
- "Optimization of Handling characteristics of braided silk suture Using Response Surface Methodology" Journal of Industrial Textiles.
- "Thermal characterization of conductive threads for textile applications" Journal of Industrial Textiles.
- "Application of Zinc Oxide Nano particles using Polymeric Binders on Cotton Fabric" Research Journal of Textile and Apparel
- "Optimization of mechanical properties of braided silk suture" Journal of Industrial Textiles.
- "Study on the accelerated-point distribution of floating fibers in the drafting zone" Textile Research Journal.

RESEARCH ACTIVITIES

PAPERS REVIEWED BY FACULTY

Dr.S.Ariharasudhan

- “Filtration Performance of Biaxial Circular Seamless Knitted Filter Material Based on Electrostatic Adsorption” Journal of Industrial Textiles.
- “COVID 19: Textile Sector's preparedness to combat the current shortfall of PPE” Journal of Industrial Textiles.

M.Saravanan

- “New manufacturing process to develop antibacterial dyed polyethylene terephthalate braided sutures using plasma functionalization and chitosan immobilization” Journal of Industrial Textiles.
- “In-situ ultrasonically thermal synthesis of Ag-decorated reduce graphene oxide nanocomposites on fabric” journal of Industrial Textiles.

Dr.P.Sivakumar

- “A study on the testing of the floating fiber accelerated point in roller drafting process with an improved method” Textile Research Journal.
- “Simulation of sliver blending and Evaluation of blending irregularity” Textile Research Journal.

RESEARCH GRANT

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

MoU

MOU was signed with JPP Textile (P) Ltd on 26.03.2021 and the activities of Internship, placement, R&D, Training, Samples and material will be collaborated

ALUMNI ACTIVITIES

ALUMNI TALKS ON CAREER PROGRESS AND LIFE TRAVEL AFTER KCT

Session on “Master’s at Manchester & life after KCT”



Mr. V. Ajit
(UG Alumni: 2010-14 batch)
M/s Faithful Furnishing
Fabrics - Textiles, and
M/s VAAS Ventures:
Food Processing, Karur

II- and III- Year (2019 and 2018 Batch) B. Tech. Textile Technology students were given motivation, awareness and career guidance talks by well eminent Alumni from UG passed out batch of the Department. He gave most of technical and life guidance talks to UG students to think about life, after completing their UG programmes at KCT. Alumni Resource persons for the event Mr. V. Ajit (UG Alumni: 2010-14 batch) completed Masters in Textiles (Technical Textiles) at University of Manchester, UK currently looking after his business units M/s Faithful Furnishing Fabrics - Textiles, Karur and M/s VAAS Ventures: Food Processing, Karur, TN.

He shared about the travel after KCT both abroad and India experience during the session. Students do observe and understand the reality on Textile potential and learn the opportunities in Textiles. Students will acquire motivating information on career after UG and various know-how from Alumni.

Value Added Course on “Technical Skills for Placement Preparedness”

A webinar was organised by the Textile Technology Department on the topic “Value Added Course on “Technical Skills for Placement Preparedness” on 12.02.2021, between 10.00 pm to 12.00 PM. The sessions were facilitated by faculty members of Textile Department and some of the speakers/resource persons for these sessions were our established KCT Textile Department Alumni. Faculty members throw industrial know-how practical points during the session and along their sessions, alumni from renowned industries such as DECATHLON, COATS, VOLTAS, Advanced Clothing Concepts, etc. were invited and each alumni deliver elaborate technical sessions on core concepts and basics of textile product manufacturing, market potential in business scenario and their industry experience

PROGRAMS ORGANISED

RECENT DEVELOPMENTS IN PRINTING

A webinar was organized by the Textile Technology Department on the topic of Recent developments in printing on 29.05.2021, between 5.00 PM to 6.00 PM. The resource person for the session was Mr.Pravin Amudhan, Bask fashion Private Limited, Coimbatore. \The webinar gave an idea about recent developments in printing especially in digital printing, flock printing, and automatic table printing. The outcome of the event is the students able to know the Challenges for setting up new printing industry especially in digital printing and innovation in the printing process.



Pravin Amuthan
Senior Merchandiser
BASK Fashions India (P) Ltd
Coimbatore

LOCAL PROGRAMME ADVISORY COMMITTEE MEETING, QUARTERLY PROGRESS MEETING (DST-SEED PROJECT)

Local Programme Advisory Committee Meeting – Quarterly Progress Meeting for DST-SEED Project titled “Ecofriendly cost-effective silk dyeing technology for rural women upliftment of Sirumugai weaving cluster” on 25.3.2021 at 3.00 pm to 4.00 pm. Grant No. : SEED/WS/2019/392 delivered by Mrs.R.Sukanya Devi, Assistant Professor, Textile Technology, Kumaraguru College of Technology, Dr.A.Geethakarathi, Associate professor, Civil Engineering, Kumaraguru College of Technology.

Dr.J.Jeyanthi, Chairman for the meeting was welcomed by the conveners Mrs.R.Sukanya Devi and Dr.A.Geethakarathi. Mrs.R.Sukanyadevi, Project Investigator of the project briefed the objectives of the project and work progress for the time period of Dec’20 to Mar’21 through a PPT based presentation along with videos shot at the industries, followed by a discussion with the members for suggestions to improve the work plan.

PROGRAMS ORGANISED



Dr V R Giri Dev
Professor and Head
Department of Textile Technology
Anna University, Chennai

WEBINAR ON “UNDERSTANDING THE VALUE CHAIN IN THE APPAREL INDUSTRY

A webinar was organised by the Textile Technology Department on the topic “Understanding the value chain in the Apparel Industry” on 13.01.2021, between 12.00 pm to 1.00Pm. The resource person for the session was Ms. Sunaina Khanna, Director - Methods Apparel Consultancy India Pvt. Ltd., Gurgaon. She gave most of technical and supply chain key points to UG students to think about life in Apparel Industry as Logistics Associate/ Merchandiser/ Business Associate, etc. The industry expert throws recent advancements in Apparel industries that prevail to be successful in current market scenario.

SALT FREE REACTIVE DYEING

A webinar was organised by the Textile Technology Department and Institute of Engineers, Coimabtores on the topic “Salt free reactive dyeing” on 22.01.2021, between 4.00 pm to 5.00Pm. The resource person for the session was Dr. V. R. GiriDev, Professor/HOD, Department of Textile Technology, Anna University, Chennai, 600025. The webinar gave an idea about the effectiveness of Salt free reactive dyeing processes in woven, knitted, garment Product.



Ms. Sunaina Khanna
Director - Methods Apparel
Consultancy India Pvt. Ltd.,
Gurgaon.

She shared about various ups and down, career travel in her long industrial travel experience. Additionally, she throws glimpses on key career skills with beautiful presentations required in Textile Apparel Industries to excel in their Career.

PROGRAMS ORGANISED

WEBINAR ON "CAREER GUIDANCE AND OPPORTUNITIES IN GARMENT INDUSTRY"

A webinar was organised by the Textile Technology Department on the topic "Career Guidance and Opportunities in Garment Industry" on 10.02.2021, between 04.00 pm to 05.00 Pm. Resource person for the webinar is Mr. Jamal Mustaf, I.E. Consultant, Freelancer, Coimbatore. Textile Technology students were given eye opening webinar session on market scope in Industrial Engineering (IE) Job opportunities around the globe, and it was also a technical guidance session for IE openings in southern parts of India by a well-known Industry person from **Coimbatore, India**. He gave most of technical guidance and encouraged UG students to think about life as an IE in Textile and Apparel Industries in comparison with Merchandiser, QC roles, etc. The industry expert throws recent advancements in IE around the Global Apparel industries to have a successful Job career start in current market scenario.



Mr. Jamal Mustaf
I.E. Consultant,
Coimbatore.

TECHNICAL TEXTILES - PROSPECTS IN INDIA IN MEDICAL TEXTILES

A webinar was organized by the Textile Technology Department and Institute of Engineers, Coimbatore on the topic "Technical Textiles - Prospects in India in Medical Textiles" on 26.02.2021, between 4.00 pm to 5.00 Pm. The resource person for the session was Mr. D.JAYARAMAN, Assistant Director and Head of the Department -Spinning, The South India Textile Research Association, Coimbatore. The webinar gave an idea about how the Technical textile divided segment-wise, and how it is emerging in India, and also explain about non-woven used in medical textile, services offered. by SITRA.

PROGRAMS ORGANISED

PRODUCTION OF POLY- PROPYLENE FIBER AND THEIR END USES

A webinar was organized by the Textile Technology Department Department and Institute of Engineers, Coimabtoe on the topic "Production of Polypropylene fibre and their end uses on 28.04.2021, between 3.00 pm to 4.00 Pm. The resource person for the session was Mr P. Madhavamoorthi Working as a. Manager Production and R&D(Fiber & Non-Woven) in MATTEX Geosynthetics Al-Jubail, Saudi Arabia Location Al Jubail, KSA.,The webinar was attended by about 90 participants, by the students from IV-year, III-year, II year of Textile Technology, Kumaraguru College of Technology.



Mr P Madhavamoorthi
Manager Production and R&D
(Fiber & Non-Woven)
MATTEX Geosynthetics
Al Jubail, Saudi Arabia

The webinar gave an idea about basic of polypropylene fibre , textile value chain like fibre to end use , how the resin handling during processing ,he also explain polypropylene manufacturing process, how to spin polypropylene filament, and he explain spina rate ,draw zone, crimper, Tg of PP, and finally he explain about cutter. he also explain properties of PP fibre, commercially available PP stable fibre End uses of PP fibre, finally he answer question from students.

VALUE ADDED COURSE

Dr.M.Saravanan organized the Value-added Course Technical Skills for Placement Preparedness" from 12.2.2021 to 06.03.2021 expert for the Textile Department Faculty Members and Alumni.

PROGRAMS ORGANISED

K-TEX NEXT GENIUS CONTEST 2021

This online contest brings out the talents inside the school students across India. This was conducted on 8th May 2021 for the school students from 8th to 12th standard in national level. Totally five competitions were conducted as Fabric Painting, Fabric Origami, Fashion sketching and Wealth of Textile Waste. More than 60 students attended this virtual contest from various schools throughout India.

The Judge panel was comprising Dr.Nirmala SA, Correspondent, Coimbatore Public School, Coimbatore, Prof. Kavitha V, HoD-Department of Costume Design and Fashion, Dr.NGP Arts and Science College, Coimbatore and Prof.Arunraj A, Department of Fashion Technology, Kumaraguru college of Technology.

Mownisa V of Kongu Vellalar matric higher secondary school has won the 1st prize in Fabric Painting competition. Vidula S of AVB matriculation higher secondary school has won the 1st prize in Fashion Sketching competition. Dhanya D of Maharishi Vidya Mandir has won the 1st prize in Fabric Origami competition.

Architha R of Maharishi Vidya Mandir has won the 1st prize in Essay Writing and Wealth from Textile Waste.

K-TEX TECH CHALLENGE 2021 PROJECT DISPLAY CONTEST

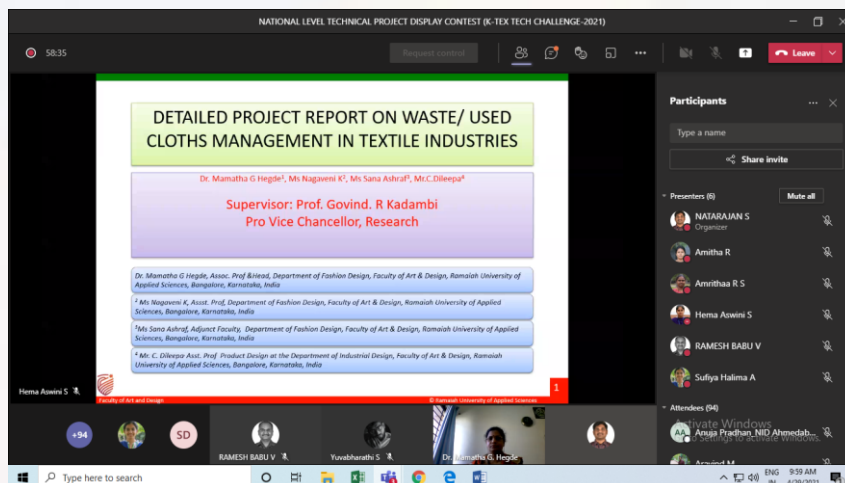
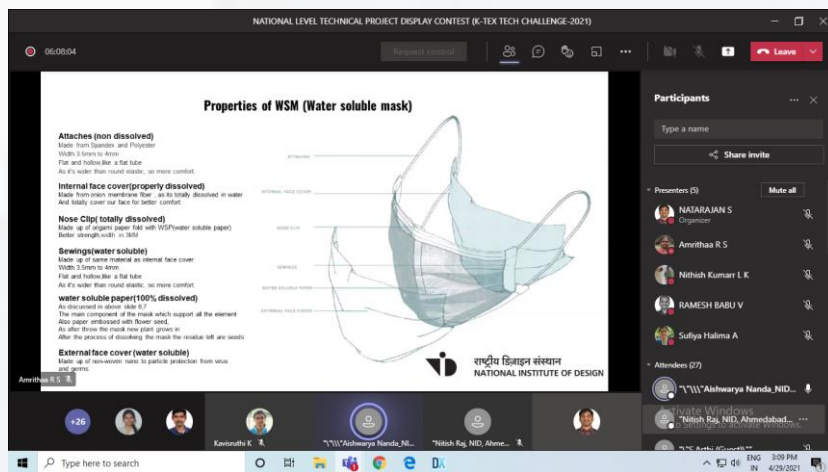
Technical Project Display Contest was conducted by Textile Department along with Institute of Engineers - Coimbatore on 29th of April 2021. Brochure for this event was sent to all the colleges across India and received around 49 entries for the same. We are glad to have participants from National Institute of Design, National Institute of Fashion Technology, Indian Institute of Technology, National Institute of Technology, Anna University, PSG Tech, Bannari Amman Institute of Technology, DKTE, Veermata Jijabai Technology Institute of Chemical Technology and Kumaraguru College of Technology and lot more.

The contest was mainly based on - Innovative Product Development in Textiles/Fashion

PROGRAMS ORGANISED

Design and Development of Textile Instruments, Environment and Safety Projects related, projects having novelty in Process related to Textiles/Fashion, Interdisciplinary Projects related to Textiles/fashion were selected for competition. 16 Leading Institutions across the country participated in spite of pandemic situations.

We reserved some note- worthy contents. Four best ideas amongst all the presentations was selected and was awarded. All the participants were given an E-Certificate. Priyal Kaka from NIFT secured the First place and received Rs 3000, Shangugasundaram from PSG secured the Second place and received Rs 2000. Sandeep Kumar Maurya from IIT Delhi secured the Third place and received Rs 1500.



PROGRAMS ORGANISED



Mr.S.Thiruppathi
Director, Technical
and Innovative Textile
Solution Center,
Coimbatore

CHALLENGES FOR START-UP & ENTREPRENEURSHIP IN MEDICAL TEXTILES”

A webinar was organized by the Textile Technology Department and Institute of Engineers, Coimbatore on the topic Challenges for start-up & entrepreneurship in medical textiles on 15.05.2021, between 5.00 pm to 6.00 Pm. The resource person for the session was Mr. S.Thiruppathi. Director TITSC Testing Laborator, Coimbatore. The webinar gave an idea about. Challenges for Start up Medical Textile Business , Medical Textiles - Definition & Classification, About TITSC & TITSC contribution to Medical Textiles.

32 Textile Projects for New Entrepreneurs, he also explain, Getting Drug license, Raw materials (shortage & variation in price), Machinery & Spare parts (shortage & variation in price) - complete stop of imported machineries, Standards - Many product proper standards are not available, Scattered Industry / No clusters, Consultancy, experts and Proper guidance, Subsidies and loans, Wide range of projects start from 5 lakhs to 500 crores, he explain CLASSIFICATION OF MEDICAL TEXTILES, and TITSC - Our Activities Involve.

BOS MEETING

Board of studies meeting was conducted on 05.06.2021 through virtual mode. Members Recommended for Implementing NEP 2020 and deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022). Members also gave inputs towards upgradation of infrastructure /teaching aids to aid content delivery, and best Practices followed in (External) Member's Institutions. New one credit and professional elective were introduced.

PROGRAMS ORGANISED

LEAN MANUFACTURING

- A webinar was organized by the Textile Technology Department and Institute of Engineers, Coimbatore on the topic of Lean Manufacturing on 11-06-21. The webinar was attended by about 139 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 gave an idea about Challenges for Lean Manufacturing in garment Industry, he explain about Definition & Classification, about Industrial Engineering, he also explain, History of lean manufacturing objective, he also talks about reduce the cost about reduce the manufacturing cost.



Resource Person
Dr. A. K. Senthilkumar
PRODIGY



by
Mr P Sivagurunathan
Head - Industrial Engineering
Pearl Global Industries Limited
Bangalore

He also described about non-value adding this is major definition of lean management. He also explained what is lean, mura, muri, muda. he explain about 7 kind of waste and explain about each type, he also explain about KAIZEN-Continuous improvement.

INTERACTIVE SESSION WITH SUCCESSFUL START- UP FOUNDER

Then the session was handled by Dr.A.K.Senthil Kumar. He motivated the students by sharing his entrepreneurial experience. Has got over 8 years of exposure in Training domain with core competency including programs on Entrepreneurial competencies and Soft skills . He owns a manufacturing unit for patient comfort hospital ancillaries by name PRODIGY since the year 1998.

Outcomes of the Event: Motivation, Skill required for entrepreneurship.

PROGRAMS ORGANISED

WEBINAR ON NATIONAL EDUCATION POLICY FOR ENGINEERING EDUCATION

External faculty participants from Maharashtra, Haryana, Karnataka, Tamilnadu states and Internal participants (KCT Faculty members and I-, II- and III-Year (2020, 2019 and 2018 Batch) B. Tech. Textile Technology students) were given awareness, visions and needful guidance webinar session by Resource person for the webinar is Dr. N. Ramesh Babu, Principal, M Kumarasamy.

The faculty members and students to make a note of these New Education policy changes and its effects, and in particular all the faculty members needs to understand various benefits, concepts, etc. such as National Higher Education Regulatory Council (NHERC), National Educational Technology Forum (NETF), National Research Foundation (NRF), Professional Standard Setting Bodies (PSSBs), etc.

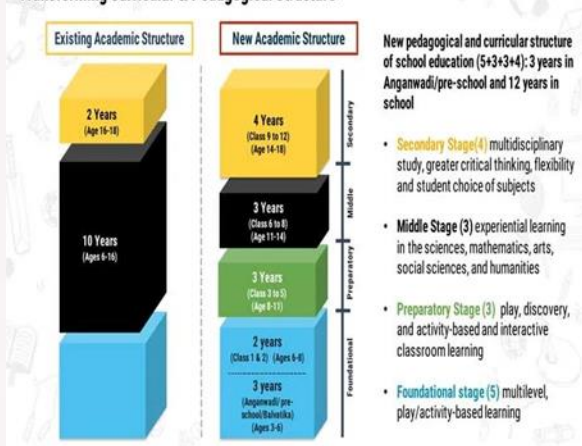


Dr. N. Ramesh Babu
Principal, M Kumarasamy
College of Engineering
Karur

DEPARTMENT ADVISORY BOARD MEETING

Department Advisory board meeting was conducted on 31.05.2021 through virtual mode. Dr.Kumar, Manager – R&D – M/s, Shahi Exports, Bangalore, Dr.Shabaridharan, Maganer, M/s. Kadri Nonwovens, Perundurai, Mr.Ajith, Alumni member, Dr.T.Palani Rajan, Professor, Vellore Institute of Technology, Chennai, and all faculty members attended the meeting. It was suggested to include Technical Textiles, High performance fibres and concentrate on long staple spinning, recent developments in spinning, warp, and weft knitting, testing and technical testing equipment manufacturing, processing of blended fabrics.

Transforming Curricular & Pedagogical Structure



B.TECH (TEXTILE TECHNOLOGY)

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

Graduates of B.Tech Textile Technology programme will

- PEO: 1 Hold leadership responsibilities in Textile and related segments such as product development, production, technical services, quality assurance and marketing.
- PEO: 2 Become successful entrepreneur in Textile and related field and contributing 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, machineries, manpower and to predict the properties of fibre, yarn, fabric and garments as per the end uses.

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