

**K.S.RANGASAMY COLLEGE OF TEXCHNOLOGY** (AUTONOMOUS) TIRUCHENGODE -637215. TAMILNADU. INDIA

# **DEPARTMENT OF TEXTILE TECHNOLOGY**



# **NEWS SQUASH 2019 - 20** Dec - May

Volume 5 - Issue 2

www.ksrct.ac.in



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# **DEPARTMENT OF TEXTILE TECHNOLOGY**

# -NEWS SQUASH-2019-20 December - May



S.No	o. Title	Page Number
01.	From the HoD 's Desk	III
02.	Vision and Mission	IV
03.	Programs Organized	01
04.	Faculty Activities	12
05.	Student Activities	17
06.	Publications	18
07.	Placements	18





Dr .G. KARTHIKEYAN, Head of the Department

The Department of Textile Technology, established in 1994, is committed to providing students with a comprehensive understanding of textile manufacturing through both undergraduate program. Our experienced faculty and state-of-the-art laboratories offer a supportive environment that fosters academic excellence. The department provides students with valuable opportunities for industrial exposure, enhancing their practical knowledge in line with industry standards. We are also proud to announce that the B.Tech in Textile Technology undergraduate program has received accreditation from the National Board of Accreditation, Tier-1 Category.

It is my privilege, on behalf of the faculty and students, to present this edition of NEWS SQUASH (Volume 5, Issue 2) for the academic year 2019-20. This bi-annual publication, covering activities from June to November (2019-20), showcases the accomplishments and contributions of our faculty, students, and alumni. In addition to highlighting research and department events, this newsletter serves as a communication platform to engage faculty, industry professionals, alumni, and other stakeholders in the field of Textile Technology.

I would like to extend my heartfelt gratitude to all contributors for their dedication in bringing this newsletter to fruition. We hope you enjoy reading it and learning more about the department's achievements, vision, mission, program educational objectives, and program-specific outcomes.



#### **VISION AND MISSION**



#### **VISION OF THE DEPARTMENT**

To be the centre of excellence in textile education, training, research and service.

#### **MISSION OF THE DEPARTMENT**

• To enlighten the students about the latest technology in textile industries through innovative educational practices and multi-disciplinary approach.

• To engage with the industry as solution providers through consultancy.

#### **PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

**PEO1: Production Process and Solutions to Problems**: Graduates are competent in textile production processes and be able to identify problems and suggest suitable solutions.

**PEO2: Modern Tools & Technology and Ethics**: Graduates use latest tools and technology for the production of textile materials and serve society in an ethical manner.

**PEO3: Skills, Entrepreneurship and Life Long Learning**: Graduates will exhibit skills in their career and develop entrepreneurial culture through life-long learning.



#### **PROGRAMME OUTCOMES (POs)**

Engineering Graduates will be able to:

**PO1: Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO2: Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO3: Design /development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**PO4: Conduct investigations of complex problems**: Use researchbased knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**PO5: Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations

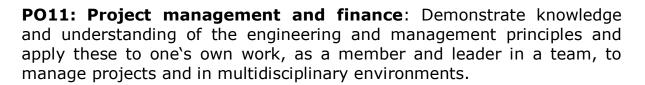
**PO6: The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**PO7: Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development.

**PO8: Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO9:** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO10: Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.



**PO12: Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

#### **PROGRAMME SPECIFIC OUTCOMES (PSOs):**

Engineering Graduates will be able to:

**PSO1: Application of Basic Concepts**: Apply fundamental concepts in the areas of spinning, weaving, testing, garment making and processing.

**PSO2: Solution for Industrial Problems**: Solve industrial problems in textile industries considering environmental issues to improve quality and productivity.

**PSO3: Moral Values**: Demonstrate social and ethical responsibilities relevant to textile industries.

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#### **PROGRAMS ORGANIZED**

#### India Skill

The India Skills – District Level Skill Competition was conducted at KSRCT, where students from various colleges and schools participated in the following disciplines:1) Fashion Technology, 2) CNC Turning, 3) Cooking 4) Bakery & 5) Electronics on 22.12.19



#### **Inaugural Function**

TAFETA (The Textile and Fashion Enlighten Technologist Association), the Technical Association of Textile Technology students was inaugurated by our distinguished alumni Mr.I.Suresh Balu, Manager Sales and Zonal Head - South India, Lakshmi Machine works, Coimbatore on 10.01.2020. In this meet, he shared his knowledge & experience on "Future trends in the Textile industry



#### **TECGAM 2020**

A national level Techno sports event "TECGAM 2020" in K S Rangasamy College of Technology. Textile Technology Department offered hands on training to various polytechnic Student's from all over Tamilnadu for enhancing their knowledge in latest Technology. A few glimpses of the following training Programs, 1) Fashion designing with computer aided Technologies. & 2) Pattern Making for Fashion wears on 24.01.20



#### Alumni Interaction

Mr. P. Amos Raja, Senior Merchandiser at Ambertex Universal Exports, interacted with textile students on 28.01.2020.



**Alumni Interaction** 

Mr.Elango, Senior Merchandiser, Kwuntong Apparels - Must Garments Corporation Pvt. Ltd., Dhaka, Bangladesh visited Textile Technology Department @ksrct1994 on 05.02.2020. He interacted with students and shared his experience in Must Garments.



#### Alumni Interaction

Mrs. Sujitha Arivalagan, Merchandiser at Meenakshi India Ltd., Salem, interacted with textile students on 07.02.2020.



Soft Skill Training

@ksrct1994, Department of Textile Technology organizing three days soft skill training program on 10.02.2020. The students are trained on Problem Solving Skill, E-mail Etiquette, Leadership Skill, Listening Skill, Resume writing, Group Discussion & Team Work



#### Workshop

@ksrct1994, the Department of Textile Technology is organizing a oneday workshop on "Garment Pattern Making" by Mr. Venkatesh, Production Manager, Sri Sairam Apparels, on 18.02.2020.



#### **TechWeb Series**

Department of Textile Technology of KSRCT initiated a Six days TechWeb Series by Industry & Academicians for our students to enhance the knowledge during this lockdown from 20.04.20 to 25.04.20

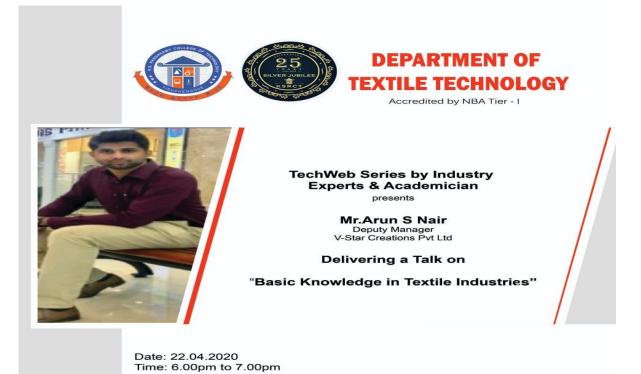
Day1: Speaker: Mr.G.Somasundaram, Principal Business Development, Texvalley private limited. Topics: A changing phase of fashion sourcing in domestic and global markets-post covid opportunities and challenges



Day 2: Speaker: Mr.Anton Arputharaj, Business Development Manager, Spade works Sourcing Pvt Limited. Topics: A present situation in India & China.

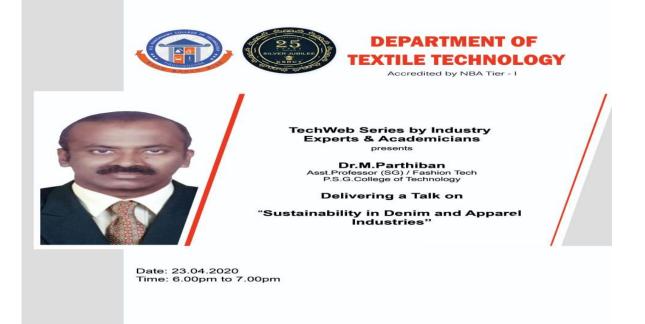


Day 3: Speaker: Mr.M.Arun S Nair, Deputy Manager, V Star Creations Pvt Limited. Topics: Basic knowledge in Textile Industries

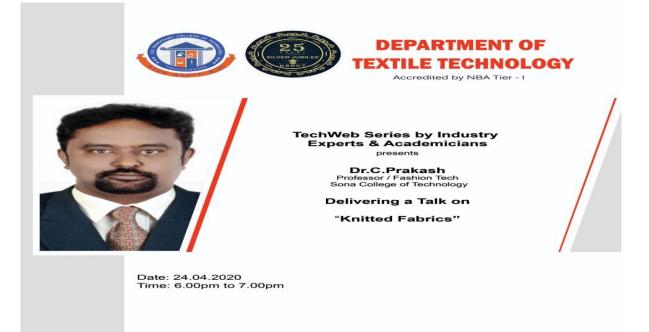


Day 4: Speaker: Dr.M.Parthipan, Asst Professor(SG), Department of Fashion Technology,PSG College of Technology,Coimbatore

Topics: Sustainability in Apparel and Denim Industries



Day 5: Speaker: Dr.C. Prakash, Professor, Department of Fashion Technology, Sona College of Technology.Topic: Knitted Fabrics



Day 6: Speaker: Mr.GTV Prabhu, Scientist, ICAR - CIRCOT, Mumbai. Topic: Electrospinning for production of Nanofibres



#### **Glimpes of TechWeb Series**

The Department of Textile Technology @ksrct1994 has successfully completed a Six days TechWeb Series for B.Tech Textile Technology students to enhance their technical knowledge during this lockdown. The topics were covered from Basic to Modern Textiles and Future trends by renowned Industrial resource persons, Scientists and Academicians. A few glimpses of the TechWeb series



#### **TechWeb Series 2020 : Fashion Design**

The Department of Textile Technology @ksrct1994 is going to organize a TechWeb Series 2020 on "Fashion Design" for Higher Secondary & Polytechnic students during this lockdown period (29.04.2020 to 05.05.2020)



#### TechWeb Series 2020 Season 2

Department of Textile Technology, K S Rangasamy College of Technology, Tiruchengode\*, has successfully completed TechWeb Series 2020 -Season 2 on "Fashion Design" for six days from 29.04.2020 to 05.05.2020.

The topics covered in this webinar are as follows:

Fibre to Fashion

Textile & Apparel CAD

Smart Fashion

Fashion Technology and Innovation

Design process in Fashion Design

Fashion Merchandising

Scope for Fashion Engineers

Emerging opportunities in Textiles, Apparel and Fashion Industries.

Hands on Training program in "Apparel Pattern Making"

The webinar was conducted by Subject Matter Experts (SMEs) from Industries & academia

150+ students in and around South India\* were participated and benefited from this webinar. TechWeb Series 2020



#### TechWeb Series 2020 Season 3

K.S.Rangasamy College of Technology, The Department of Textile Technology @ksrct1994 is going to organize a TechWeb Series 2020 on "Chemical Processing of Textile Goods" The webinar series will carryout by eminent Industrialist Mr.J.Karthikeyan, General Manager-Processing. SB Fabtex, Ghaziabad, New Delhi. From 06.05.2020 to 08.05.2020



#### Webinar

#ksrct, Department of Textile Technology organizing webinar on career Guidance by Mr.M.Nayas, IQAC coordinator, Annai Fathima College of Arts & Science, Thirumangalam, Madurai on 13.05.2020





#ksrct, Department of Textile Technology organizing webinar on Sustainable Technologies in cotton processing & fashion by Dr.R.Guruprasad, Senior Research Scientist, Grasim Industries Pvt Ltd, Maharashtraon 26.05.2020



#### Face Mask @ ksrct1994

The face mask is the effective combat attire for offsetting this pandemic situation. In this regard, Our Textile Team of K.S.Rangasamy College of Technology, Tiruchengode preparing masks in mass production with its own infrastructure facilities. The produced facemasks are planned to be supplied to the local police personnel, public health workers, volunteers and the general public. KSRCT is destined to contribute for the wellness of the society alway



#### **FACULTY ACTIVITIES:**

1. Mr G.Devanand, Associate Professor, Department of Textile Technology, KSRCT, Tiruchengode was attending a Three days FDP on Teaching Techniques with Gamification @ Er.Perumal Manimekalai College of Engineering, Hosur



#### 2. COVID Period activities

SI. No	Name of the Faculty	Activities
1.	Dr.G.Karthikeyan	1.Attended webinar on "Exploring Outcome Based Education (OBE) and NBA Process Confirmation" 07.05.2020 to 13.05.2020 2.Attended ICTACT webinar on "The Power of a Teacher" – 04.05.2020 3.Proposal submitted to SERB "Cost effective production of reusable cum affordable self-disinfecting antiviral apron and face mask using microencapsulated nano herbal compounds against COVID-19" on 30.04.2020, Total Cost: 23,45,000 4.Attended National Level Webinar on"supports for startups and innovation during COVID-19" on 27.05.2020.
2	P.Maheswaran	<ol> <li>Attended MHRD innovation cells " Leadership Talk" on 18.05.2020 &amp; 19.05.2020.</li> <li>Attended COVID 19, "PANDEMIC GENERAL AWARENESS QUIZ".</li> <li>Attended Quiz contest in " Energy</li> </ol>

		Conservation in Home Appliances " 4.Attended National Level Webinar on"supports for startups and innovation during COVID-19" on 27.05.2020.
3.	M.Arunkumar	<ol> <li>Attended MHRD innovation cells " Leadership Talk" on 18.05.2020 &amp; 19.05.2020.</li> <li>Attended COVID 19, "PANDEMIC GENERAL AWARENESS QUIZ".</li> <li>Attended Quiz contest in " Energy Conservation in Home Appliances " 4.Attended National Level Webinar on" supports for startups and innovation during COVID-10" on 27.05.2020</li> </ol>
4.	Dr.M.Chenganmal	during COVID-19" on 27.05.2020. 1. Organized and coordinated the first webinar on "Techweb series by Industrial Experts and Academicians" from 20.04.2020 to 25.04.2020 2. Collection of alumini testimonial vedios from Mr.Anton Arputha Raj, Mr.Arun.S.Nair, and Mr.Jagan from 15.04.2020 to 20.04.2020. 3.Write-up of English and Tamil version for articles publishing in the newspaper from 15.04.2020 to 20.04.2020. 4.Attended the webinar on "Digital Marketing" on 18.05.2020. 5.Contact of agencies for admission of students 2020 – 21. 6. In the meanwhile, I prepared my UGC Project report write up. 7.Attended National Level Webinar on "supports for startups and innovation during COVID-19" on 27.05.2020.
5.	G.Mahaalingam	I. Webinar/Quiz 1. Attended online workshop on "Sustainable Fashion (The Need of the Hour)" organized by Dr. SNS Rajalakshmi College of Arts and Science – 15.05.2020 2. Attended webinar on "Fashion Photography" organized by Sona College of Technology – 16.05.2020 3. Attended Quiz contest on "Energy Conservation in Home Appliances" organized by EEE/KSRCT 4. Attended Quiz contest on "COVID-19 Pandemic General Awareness Quiz" organized by BT/KSRCT

		<ul> <li>5. Attended Quiz contest on "COID-19 Combatant" Organized by Vinayaka Mission's Resarch Foundation</li> <li>II. Admission</li> <li>1. Regularly posting our department/college flyers in social media</li> <li>2. Canvassing to my relatives and friends</li> <li>III. Test Coordinator</li> <li>1. Coordinated for the smooth conduct of CA Test 2, CA Test 3, Missed Test, Improvement Test.</li> </ul>
6.	Mr. G. Devanand	<ul> <li>1. Attended webinar on "Start step to start-up conducted by IIC(MHRD) Francis Xavier Engineering College .15.05.2020.</li> <li>2. Attended webinar on India first leadership talk by Prof D.P. Singh Chairman UGC Conducted by IIC(MHRD).09.05.2020.</li> <li>3. Attended webinar on India first leadership talk by Mr. Mahesh babu CEO Mahindra Electric Mobility, Conducted by IIC(MHRD),23.05.2020.</li> <li>4. Attended webinar on Research and development an industry perspective by Sathiskumar Vellingiri conducted by IIC and placement cell and Rotaract TCE women Tamilnadu Engineering college.</li> <li>14.05.2020.</li> <li>5. Attended webinar on India first leadership talk by Dr. Pramod Chaudhari Founder Chairman Praj Industries Limited, Conducted by IIC Conducted by Dept of R&amp;D and ILC Cellin Prathyusha Engineering College.</li> <li>6. Attended webinar on India first leadership talk by Dr. Pramod Chaudhari Founder Chairman Praj Industries Limited, Conducted by IIC(MHRD),16.05.2020.</li> <li>7. Attended National Level Webinar on "supports for startups and innovation during COVID-19" on 27.05.2020.</li> <li>Admissions:</li> <li>I will put one admission in M.E. (Industrial Safety Engineering) and regularly conduct Alumni for admissions process.</li> </ul>

7.	Dr. O. L. Shanmugasundaram	1.Online Course on REFERENCE MANAGEMENT TOOLS AND ONLINE CITATION DATABASE, 19 -21, April 2020 conducted by Indian Academy Researchers Association, Trichy. 2.Central Inst. of Educational Technology – online webinar (13-21, April 2020] 3.Interactive Webinar Series 3 SF dyes [14-18 <sup>th</sup> & 21-23, April 2020] 4.TCSion- Certificate on communications skills 5.Webinar Scientific Writing Workshop & Improving Research Skills using Elsevier by Elsevier [28-29 April], and Web of Science – [12 & 15 May] 6.How to become an effective peer reviewer by Taylor & Francis [29 April] 7.Challenges in Research Publications conducted by Audisankara Group of Institutions -3 <sup>rd</sup> May 8.WORKSHOP ON "SUSTAINABLE FASHION (THE NEED OF THE HOUR)" conducted by Dr SNS Rajalakshmi College of Arts Science, Chinnavedampatti, Coimbatore, On 15.05.2020 9.Webinar by Vivekandha College [One Week R&D Faculty Development Programme on "Insights into Quality Research and Innovation"] 13th May 2020 to 20th May 2020 (11 AM - 12 PM). 10."Internationalization of Education" "Good Teacher to a Great Teachers" by Association of Self-Financing Arts Science & Management on 21 May 11.Attended National Level Webinar on"supports for startups and innovation during COVID-19" on 27.05.2020.

8.	Dr.M.B.Sampath	<ul> <li>1.Continiously in contact with Sasikumar/Komarapalayam &amp; Marimuthu/ Erode[ part time admission brokers for admission. Now also contacted Surssh/ T.Gode for admissions.</li> <li>2.During preparations for Video contacted 2001, 2011, 2012 Alumni for admissions.</li> <li>3.Coordinated TechGam2020. In contact with the participated students . Very Positive response from students. Our Advantage is our LE Fee structure.</li> <li>4.Preparation of flyers and videos</li> <li>5.In contact with relatives &amp; known persons whose children have completed plus 2.</li> </ul>
9.	T.Karthikeyan	1.Attended workshop on "Sustainable Fashion (The need of the Hour)" conducted by DR.SNS Rajalakshmi College of Arts & Science, Coimbatore on 15.05.2020.2.Attended online quiz and scored 75% in "Covid-19 Pandemic General Awareness Quiz" conducted by Department of Biotechnology, KSRCT. 3.Completed online course on "Enhancing Soft Skills" conducted by Department of Commerce, Sri Krishna Adithya Arts & Science, Coimbatore on 08.05.2020.4.Coordinator for Techweb Series Season 2 on"Fashion Design" from 29.04.2020 to 05.05.2020.5.Admission promotional activities through whatsapp with my relatives, friends, known contacts, Techgam & Techweb students.

#### **STUDENTS ACTIVITIES:**

 K.Gokulakannan & V.Bharani, Second Year B.Tech Textile Technology students of K S Rangasamy College of Technology has participated in the Paper Presentation event of national level technical symposium " Texvolution 2020" conducted by Jaya Engineering College, Chennai. Our students won Third prize in the Paper Presentation event



 V.Bharani Velyudham, K.Gokula Kannan, II Year and D.Rohith, III Year students participated and prize winning the following event Fashion Sketching – III Prize, Paper presentation – III Prize conducted (Texvolution 2020) by Department of Textile Technology, Jaya Engineering College, Chennai on 20.02.2020



#### **PUBLICATIONS**

 Dr. M. B. Sampath, Professor, published the paper "MoistureManagement Finish on Woven Fabrics" in the Indian Journal of Fibre & Textile Research, December 2019 issue.

#### **PLACEMENTS**

- S. Prasanna, A. Raajkamal, A. Sivakumar, A. R. Ajay, K. Rahul, R.K.Yuvanesh, M. Lingayarbabu, and Kunda Sreenivasalu have been placed at CMV CLOTHING GLOBAL, Tirupur.
- 2. K. Vimal, B. Manohar, S. Saravanakumar, and E. Venkatesan have been placed at SCM Garments, Tirupur.
- 3. P. Gowtham is undergoing an internship at C.K. Hosiery, Tirupur.
- 4. A. Sivakumar is undergoing an internship at Lucky Yarn Tex India, Tiruchengode.

# **Chief Editor** Dr. G. Karthikeyan Head of the Department

### **Editors**

Mr. M. Arunkumar Assistant Professor

## **Industrial Profession**

Mr. T. Sureshram Proprietor Care 4 U India Pvt. Ltd Tirupur