



# के रे प्रौ अ सं न्यूज़ लेटर CSTRI NEWS LETTER

केन्द्रीय रेशम प्रौद्योगिक अनुसंधान संस्थान, केन्द्रीय रेशम बोर्ड, बेंगलूरु  
CENTRAL SILK TECHNOLOGICAL RESEARCH INSTITUTE, Central Silk Board, Bengaluru

OCT 2022 - MARCH 2023

HALF YEARLY

VOL - 12, ISSUE - 1

## निदेशक का संदेश Director's Message



I am glad to inform that this newsletter is published bi-annually to brief the R&D and Extension activities carried out by the main institute and its sub units across the country. The current issue covers the activities from Oct 2022 to March 2023.

During the period under report, the Institute has been awarded a patent (No. 412331) on the technology titled *Weft winding machine with Bobbins and Pirn winder and a patent applied on the technology title Design and Development of Muga and Tasar Yarn Winder and Inspection apparatus for yarn surface characteristic evaluation.*

I am honored to inform that CSTRI received 1st prize for the year 2021-22 and 3rd prize for the year 2020-21 for Official language (Hindi) at Thiruvananthapuram, Kerala on 27-01-2023. Dr.Y.C.Radhalakshmi, OIC & Sci-D and Sh. Lalan Kumar Choubey, AD (OL) received the award.

Eight poster/oral presentations on post-cocoon technology were presented by the Scientists of CSTRI, Bengaluru at *Climate Smart Sericulture-2022* organized by Central Silk Board, Bengaluru at NIFT campus, Bengaluru on 6th & 7th Oct., 2022. And again nine poster/oral presentations on post-cocoon technology were presented by the Scientists of CSTRI, Bengaluru at *National Symposium on Vanya Sericulture: An opportunity galore* organized by CTR&TI, Ranchi on 28th & 29th Oct., 2022.

Apart from the eight ongoing research projects for the said period, three new research projects on *Design and development of silk warp strapping machine*, *Study on*

frictional force between denier detector & yarn and Spun silk Grading - Method of testing for spun silk yarns of commercial silk varieties viz. Eri, Mulberry, Tasar and Muga were newly approved and four research projects on Standardization of process to improve fastness properties of dyed silk, Development of 3D woven silk fabrics and their suitable applications, Development of different types of blended yarns and comfort characterization of the blended fabrics and Development of mulberry sericin powder for nutraceuticals applications have been concluded.

Meanwhile, institute has organized two technical workshops, one on Wool, wool/silk, linen, wool/linen blended suiting and shirting fabrics on 21st Feb, 2023 and other on outcome of the concluded project titled Development of different types of blended yarns and comfort characterization of the blended fabrics on 20th March, 2023 at Centre of Excellence, CSTRI, Bengaluru. More than 100 weavers, dyers and stake holders participated.

During the period, the Institute has conducted a RAC meeting to discuss /review the new/ongoing/concluded research projects and other issues.

The Main institute and its sub units conducted 86 various training programmes in different clusters of the country offering training to 1388 candidates. Further, 183 field programmes like meets / melas, technology up-gradation programmes, awareness programmes, group discussions and Transfer of Technology (ToT) drives were conducted in various clusters of the country covering 6784 candidates. 358 field visits were conducted by both main institute and sub units for fixing / guiding various field problems / issues besides adopting 20 units for improvement of quality and productivity.

The Textile Testing Laboratory and Silk Testing Service Centers together catered to the testing needs of the industry and tested 43348 lots of cocoons, raw silk, fabrics, dyes, water, etc., and generated revenue of over Rs. 134.5 lakhs during the period.

Our scientists also contributed to TUF scheme by heading the Joint Inspection Team during the period under report.







केन्द्रीय रेशम प्रौद्योगिक व प्रशिक्षण संस्थान, बेंगलूरु को दिनांक 27-01-2023 को केरल की राजधानी तिरुवनंतपुरम पु के टैगोर थियेटर, वझुथा कौड में आयोजित क्षेत्रीय राजभाषा सम्मेलन एवं पुरपुरस्कार वितरण समारोह में दक्षिण एवं दक्षिण पश्चिम क्षेत्र के वर्ष 2021-22 के लिए प्रथम क्षेत्रीय राजभाषा पुरपुरस्कार से सम्मानित किया

गया। केरल के राज्यपाल महामहिम श्री आरिफ मोहम्मद खान ने संस्थान के प्रभारी अधिकारी/वैज्ञा वै निक-डी, डॉ. वाई सी राधालक्ष्मी को क्षेत्रीय राजभाषा पुरपुरस्कार से सम्मानित किया। इसी समारोह में संस्थान को वर्ष 2020-21 के लिए तृतीय क्षेत्रीय राजभाषा पुरपुरस्कार से भी सम्मानित किया गया। इस कार्यक्रम में गृह राज्य मंत्री, श्री अजय कुमार मिश्र, राजभाषा विभाग की सचिव श्रीमती अंशु अं ली शु आर्या, संयुक्त सचिव श्रीमती मीनाक्षी जौली एवं नगर राजभाषा कार्यांत्र्या वयन समिति की अध्यक्ष श्रीमती सुधसु मिर्णि मि उपस्थित थे। उल्लेखनीय है कि इस कार्यक्रम में दक्षिण एवं दक्षिण पश्चिम राज्यों के केन्द्र सरकार के विभिन्न संगठनों के प्रमुख मु एवं राजभाषा अधिकारी उपस्थित थे। उक्त समारोह में संस्थान के श्री ललन कुमार चौबे, सहायक निदेशक (रा.भा.) को राजभाषा कार्यांत्र्या वयन में सराहनीय योगदान करने के लिए प्रशस्ति पत्र प्रदान किया गया। ज्ञातव्य है कि संस्थान को संघ की राजभाषा नीति के उत्कृष्ट कार्यंत्र्या वयन के लिए तीन वर्षों से लगातार क्षेत्रीय राजभाषा पुरपुरस्कार प्राप्त हो रहे हैं।

### Inauguration of Indigenous Automatic Silk Reeling Machine

CSTRI, CSB has established a first indigenous automatic silk reeling machine at Shoolagiri, Tamilnadu with the beneficiary Sri. Mohammed Matheenulla of M/s Asra Silk Park. To create awareness and to encourage the ARM Entrepreneurs, the inauguration of IARM was arranged on 22 October, 2022. The ARM has been inaugurated by Sri. T. M. Anbarasan, the Honourable minister for Micro, Small & Medium enterprises, Government of Tamilnadu, Sri. R. Gandhi, Honourable Minister of Handloom and Textiles, Government of Tamilnadu and Sri. Y. Prakash,

MLA of Hosur, Tamilnadu. This programme was jointly organised by CSTRI, Bengaluru and DOS, Tamilnadu. During the programme, Dr. Y C Radhalakshmi, Officer in-charge, CSTRI, Dr. Kariyappa, Scientist-D, Shri. K. Jagannathan, Scientist-D, Shri. G. Thimmareddy, Shri. B. M. Mahadevaiah, Scientist-D and other CSB & DOS officers attended the programme. Hon'ble minister appreciated the Central Silk Board officials for their achievement for making Indigenous automatic silk reeling machine a reality.



Photographs of Inauguration of Indigenous Automatic Silk Reeling Machine





## Books Published

1

A book *"Cocoon to cosmetics- A saga of sericin"* Published by CSTRI, CSB, Bengaluru was released on 09th Jan, 2023 by Member Secretary, Central Silk Board, Bengaluru.



Book on Cocoon to cosmetics- A saga of sericin released by MS, CSB.

2

A book on *"Silk Melange: Yarns, Fabrics and Product"* Published by CSTRI, CSB, Bengaluru (2022) with ISBN # 9788-195-738-304 was released on 03rd Feb, 2023 by Member Secretary, Central Silk Board, Bengaluru.



Book on Silk Melange: Yarns, Fabrics and Product released by MS, CSB.

## VIP Visit

Shri. R.R.Okhandiar,  
Member Secretary, Central Silk Board visited  
Reeling & Spinning unit at Parsada



## Officer In-charge Visit



Dr.Y.C. Radhalakshmi, officer in-charge along with Shri. M.R.Itagi, Sc-D & Shri. Ramesh babu V.K., SRO, CSTRI, Bengaluru visited reeling & spinning unit Bharni village.



Dr.Y.C. Radhalakshmi, officer in-charge along with Shri. M.R.Itagi, Sc-D & Shri. Ramesh babu V. K., SRO, CSTRI, Bengaluru visited reeling & spinning unit Parsada Village.



### Workshop and Exhibition on popularization of recycled silk Yarn

A Workshop and Exhibition on popularisation of recycled silk yarn was organised at IIHT campus, Varanasi on 29th Dec, 2022 in association with RSTRS, CSTRI, Varanasi. In the exhibition more than 50 products made using recycled silk yarn received from all over the country were displayed. Dr. S. Nivedita, Sci-D, explained the importance of recycling and the manufacturing process of Recycled silk yarn during the workshop. The workshop was presided by Dr Y C Radhalakshmi officer in-Charge, CSTRI, Bengaluru and about 100 participants from IIHT Varanasi, IICT Bhadohi and local weavers participated.



Inaugural Function

#### Displayed products developed by Recycled silk yarn



Crochet Doll



Potli Bag



Kambali (Consolation)



Jhamkhana (Cotton)



All Silk Shawl



All Silk Stole



### Workshop on silk-linen blends

A technical workshop was organized on silk-linen blends to disseminate the results of silk-linen blended yarns and fabrics and to showcase the products developed under a research project *Development of different types of blended yarns and comfort characterization of the blended fabrics*, on 20th March 2023 at Center of Excellence, CSTRI, Bengaluru. Participants were from reputed industries such as M/s Raymonds Ltd., Mumbai, M/s Jayashree Textiles, Kolkata, M/s Ramraj Cottons, Tiruppur, M/s Madura Garments, Bengaluru, M/s Global Textile, Seira Silk, Chamundi silk, Shilpa Print, Palyam textile, Kasare silk, Eastern silk, Neelima Silk etc., and fashion institutions such as NIFT-Bengaluru, Oxford Fashion Institute, J. D. Institute of design etc., Officials from CSTRI, RCS-CO, ISC, SMOI and CSB participated in the workshop



Inaugural Function



Participants



Developed Silk/Linen blend products

## TUP - Techonology Upgradation Programme

### Technology Up gradation Programme at Sri Bhairaveshwara Silk Industry.

During the period under report, one day Technology Up Gradation Programme was organized at Sri Bhairaveshwara Silk Industry, Kannurahalli, Hoskote, Bengaluru Rural District on 15th March, 2023 to showcase the silent features of Bivoltine Silk Reeling & Multiend Reeling Technology. The thrust was emphasized on technology dissemination, package of practices adopted and quality of the silk produced. Demonstration of bivoltine silk reeling technology,

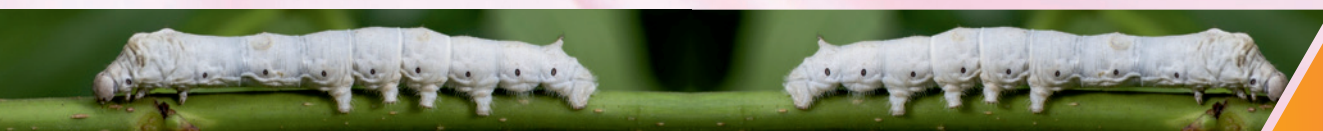
practices and procedures adopted for the production of gradable quality raw silk was exhibited. Sri Kiran. B. Malali, Scientist-D, Sri K. N. Mahesh, Scientist-D, Sri Benakappa Hubballi, T.A and the master technicians of STSC, Sidlaghatta demonstrated the technology to the participants for two days, i.e, 14th & 15th March, 2023. 135 farmers, reelers and twisters from Hoskote, Kolar, Mulabagilu, Rayalpadu, Bangarpete, Haveri, Pune, etc., witnessed the live demonstration of technologies.



Distinguished guest addressing the stakeholders during technology upgradation programme held at Kannurahalli, Hoskote on 15th March, 2023



Reelers being felicitated during the technology up gradation programme held at Sri Bhairaveshwara Silk Industry, Hoskote on 15th March, 2023





## Tasar Reeler & Weaver Mela Held at Van Chetna Kendra, Bilaspur on 16th Feb, 2023.

One day Tasar Reeler Weavers **Mela** was organized by STSC, Bilaspur at **Van Chetna Kendra, Sakri, Bilaspur** (C.G.) under CSS-Extension Communication programme on 16th Feb, 2023. Shri. Ram Meena, Joint Director of Sericulture, **Anusandhan Vikas Awam** Training, Directorate of Rural Industries (Sericulture Sector), Chhattisgarh Govt., Bilsapur graced the occassion as Chief Guest. Dr. Kariyappa, Scientist-D & Shri. M. G. Mahesh, Scientist-D, CSTRI, CSB, Bengaluru, Dr. M. S. Rathore, Scientist-D, Dr. Hasansab Nadaf, Scientist-C, Dr. Chandrashekhaiaha, Scientist-C & Dr. Vishakha G. V., Scientist-C BTSSO, Bilaspur, Shri. Hemlal Sahu, STA, Assistant Director of Sericulture Janjgir - Champa District, Chhattisgarh Govt., & other dignitaries have attended programme. A total of 238 Reelers, Weavers & silk stake holders participated in the programme. Live demonstration on **Buniyad** reeling machine with re-reeling attachment was conducted.



Participant reelers/weavers in Reeler Weaver Mela 2023



Chief Guest being briefed about the PCT activities



## Resham Krishi Mela



STSC, Dehradun attended a Resham Krishi Mela organized by RSRs, Sahaspur & STSC, organized an Exhibition in Post-cocoon Technology on 20th March, 2023

The Hon'ble Chief Minister of Uttar Pradesh visited the CSB Stall displayed at Resham Krishi Mela, Gorakhpur, Uttar Pradesh on 30th March, 2023. Officials from RSTRS, Varanasi participated in the Mela.





### Field Awareness Program on Silk Dyeing and Printing

A Field Awareness Program on Silk Dyeing and printing was organised at M/s Amruta Bhoomi, Hondarabalu - Village, Chamarajanagar - Dist on 18th Jan, 2023, where 35 participants attended the program. Dr. Sreenivasa, Sci-D and Dr. Naveen V Padaki, Sci-D conducted awareness program on wet processing of silk among the participants related to importance of following standard silk processing steps and maintaining process parameters during dyeing of silk to get good quality dyed silk.



Field Awareness Program on Silk Dyeing and Printing

### Samarth scheme Awareness Programme



A view of inaugural function

Shri. Mukul Sen Gupta, Sci-D attended awareness programme cum inaugural function of skill training for Jail inmates under Samarth scheme at Central Jail, Varanasi on 14th Feb, 2023. The programme was presided over by Shri. Ranjit Ranjan Okhandiar, I.F.S, Member Secretary, Central Silk Board, Bengaluru.

### Awareness Programme by RSTRS at Budhadei, Ahraura, Mirzapur

RSTRS, Varanasi has organised an Awareness Programme on 14th Mar, 2023 at Budhadei, Ahraura, Mirzapur where more than 100 handlooms (Pit loom & Frame loom) are working at the cluster. At the outset Shri. Nityanand, Senior Technical Assistant briefed about the importance of using handloom at Mirzapur cluster. Shri. Mukul Sengupta, Scientist-D uttered about the different schemes in weaving sector under Silk Samagra-II, 2023-24. He also described about the advantages of using Electronic jacquard in the handloom. Shri. V. K. Saxena, Senior Technical Assistant described about the high demand of handloom product in local market as well as in the country & export market. Shri. Mohammad Hussain, Asst. Technician discussed the quality parameters to be maintained in the weaving processes.



Awareness programme



## Awareness Programme by RSTRS at Angika Hathkargha Vikash Udyog Sahkari Samity Ltd., Ramnagar

Another awareness programme was organized by RSTRS, Varanasi on 07th Dec, 2022 at *Angika Hathkargha Vikash Udyog Sahkari Samity Ltd.*, Ramnagar where about 300 handlooms with Jacquard (Pit loom & Frame loom) are working in the same premises. At the outset V. K. Saxena, Senior Technical Assistant welcomed and briefed about the importance of using handloom at Varanasi, as nowadays there is high demand particularly from the corporate sector (Tata group, Reliance group etc.) for handloom products. Shri. Mukul Sengupta, Scientist-D detailed about the

various schemes in weaving sector under *Silk Samagra-II*. He also described about the advantages of using electronic jacquard in the handloom with a special importance of imparting intricate design on the Saree. Shri. Amresh Prasad Kushwaha, owner of *Angika Hathkargha Vikash Udyog Sahkari Samiti Ltd.*, described about the market demand of handloom products at this juncture in our country. Shri. Daya Shanker, Senior Technical Assistant discussed about the importance of silk fabric in the country during all festival seasons and particularly as bridal wear.



Cross section of the participants at the Awareness Programme

## Awareness Programme by CSTRI at Chikkaballapura, Karnataka

Fabric Division of CSTRI, organised a field awareness programme on Silk Weaving Technology and Silk Samagra schemes at Thimmasandra, Chinthamani on 15th Dec, 2022 where 40 participants attended the programme including society staff. This programme was presided by Shri.. Manjunath, Deputy Director and Shri. Chandrashekar, Assistant Director, Dept. of Handlooms & Textiles, Chickbalpur along with Shri. H. H. Shambulingappa, Scientist D, CSTRI, Bengaluru. During the programme, both the officials detailed the welfare schemes and Silk Samagra schemes and requested beneficiaries to fully utilize the schemes and produce good quality fabrics. Shri. H. H. Shambulingappa, Scientist-D explained and exhibited the designs and different types of technologies developed by CSTRI.



Awareness programme on silk weaving technology



## International Training Programmes



ITEC Inaugural Programme in progress

CSTRI, Central Silk Board, Bengaluru, organised an international training programme (Indian Technical and Economic Co-operation - ITEC) sponsored by Ministry of External Affairs, New Delhi from 8th Jan to 4th Feb, 2023 on Post-cocoon technology. A total of 20 delegates from



Participants at the ITEC Programme

various countries attended the training programme. During the training programme, they were exposed to silk industrial practices through theory and practical sessions, different types of silk reeling activities and its economics, silk preparatory and calculation, warping, designing and weaving methods on handloom and power loom, dyeing and printing technology, testing of raw silk and fabrics besides field trips for interaction with industries.

## Training Programmes Under Samarth



SAMARTH Training Programme at Asra Silk Park ARM Unit, Shoolgiri

Mulberry silk reeling division has conducted *Samarth* training program during 13th Dec, 2022 to 12th Jan, 2023 at *Asra Silk Park* ARM Unit, Shoolgiri, Krishnagiri, Tamilnadu. 19 trainees were trained under mulberry silk reeler, the scientist and technical staff who explained on theory as well as practical aspects of Automatic Silk Reeling Technology hands on training was imparted to the trainees with more emphasis on practical aspects of silk reeling. Cocoon quality and its importance on quality and reeling performance, different types of defective cocoons and their influence on reeling performance and quality of raw silk, importance of drying, object of cocoon cooking and methods of cooking, re-reeling, lacing, bundling and finishing of raw silk were explained to the trainees.

## Training Programmes Under Samarth

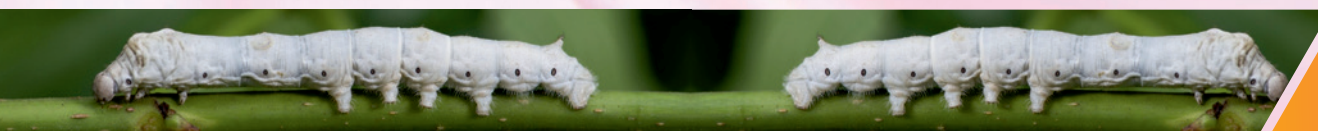
Mulberry silk reeling division conducted two training programmes one at automatic silk reeling unit at Charanya Silk Reeling Industry, Beluru, Mandya, Karnataka from 1st to 11th Feb, 2023 and other at J K Silk Multiend Reeling Industry, Puttenagowda doddi, Mandya, Karnataka. Each batch with 20 trainees were trained with emphasis on practical aspects of silk reeling and other associated aspects.



CSS-CBT Training programme-Charanya Silk Reeling Industry, Mandya



CSS-CBT Training programme -J K Silk Multiend Reeling Industry, Mandya





## Training Programmes Under Samarth

RSTRS, Malda organized a *SAMARTH* Training programme at Khatra, Bankura, West Bengal from 04th to 29th January 2023 on *Vanya Silk Reeling & Spinning* as it is a potential zone for Vanya silk manufacturing. A total of 19 trainees participated in the programme. Scientists and experts from different faculty trained the participants theoretically as well as practically.



*Samarth* Training programme at Khatra, West Bengal

## Training Programme on Raw Silk Reeling Technology under CSS-CBT



Dr. Y. C. Radhalakshmi, officer (I/c) interacting with the participants during the training programme on raw silk reeling at Sidlaghatta

During the period under report, one reeler training programme was conducted at The Silk Capitol (ARM reeling unit) at Sidlaghatta from 27th Feb to 09th Mar, 2023 under CSS - CBT programme. The programme was conducted by STSC Sidlaghatta in association with the MSR Division of the main institute. The 10 days training programme commenced on 27th Mar, 2023 and 25 reelers underwent the training. Dr. Y. C. Radhalakshmi, Officer In-Charge, CSTRI presided the inauguration along with Sri K. N. Mahesh Scientist-D, Sri. Kiran. B. Malali Scientist-D, Sri Amarnath, Deputy Director, Govt. Cocoon Market, Sidlaghatta, Sri Benakappa Hubballi, TA & Sri S. T. Venu, TA.

## Skill Development Training Programme

STSC, Bilaspur, organised a five day *Skill Development Training Programme* under CSS-CBT from 12th to 16th Oct, 2022 at Pondi, Dist. Bilaspur Chhattisgarh in which 20 candidates were trained on tasar cocoon cooking, Reeling & Spinning on *Buniyad* Reeling Machine and MSM. The Inaugural ceremony on 12th Oct, 2022 was presided by Shri. Vinod Koushik, *Sarpanch* (Gram Pradhan), Shri. K. N. Sharma, Assistant Director of Sericulture Bilaspur Distt. Chhattisgarh and Shri. Hemlal Sahu, STA & In-charge STSC Bilaspur.



Glimpses of five days *Skill Development Training Programme* under CSS-CBT at Village - Pondi, Distt. Bilaspur, Chattisgarh.



## Skill Training Programme under CSS-CBT

STSC, Bilaspur, organised five days *Skill Development Training Programme* under CSS-CBT from 19th to 23rd Dec, 2022 at Bhadam, Distt. Bilaspur, Chhattisgarh in which 20 candidates were trained on tasar cocoon cooking, reeling & spinning on *Buniyad* Reeling Machine and MSM. The Inaugural ceremony was conducted on 19th Dec, 2022 in the presence of Shri. Sitaram Singour, *Sarpanch (Gram Pradhan)*, Shri. K.N.Sharma, Assistant Director of Sericulture Dist. Bialspur& Shri. Hemlal Sahu, STA & Incharge.



Skill Training Programme under CSS-CBT at Village-Bhadam, Distt. Bilaspur (C.G.)

## Five days Skill Training Programme under CSS-CBT



Five days Skill Training Programme under CSS-CBT

RSTRS, Varanasi organised a five days *Skill Development Training Programme* under CSS-CBT, on *Weaving Technology in Handloom* from 07th to 11th Nov, 2022 at Belkhara, Mirzapur. Shri. Mukul Sengupta, Scientist-D explained about Textile Fibers, Silk weaving technology and purpose of the training programme. Mohammad Hussain, Asst. Tech. explained about the process of Silk weaving in handloom. Total of 20 trainees have been benefitted with this training.

## Skill Training Programme under CSS-CBT

STSC Dehradun, organized a ten days Skill Training Programme on Silk Weaving Technology (under CSS-CBT skill Training) at M/s Jainanda Utthan Samiti, Sherpur, Dehradun 12 - 22 Oct, 2022 for twenty trainees under CSS/ CBT. The trainees were exposed to latest techniques, technologies and concepts on silk weaving technology covering various topics involved in the process of silk weaving technology right from preparatory processes to fabric weaving.



Shri. Choudhary Ajeet Singh, Chairman UCRF [Minister of State (Cadre)], Shri. Anand Kumar Yadav, Director, DOS, Govt. of Uttarakhand, Premnagar, Shri. Darshan Lal, Member during the inaugural function.





On this occasion, a booklet on Silk Weaving Technology & Practices, in Hindi, prepared by STSC, Dehradun was also unveiled by the guest for the benefit of the weavers and allied workforce.

Bhoksa Schedule Tribe Commission, Uttarakhand at the inaugural function.



### RSTRS, Kanchipuram conducted two ten days training programmes under CSS/CDP

RSTRS, Kanchipuram conducted two ten days training programmes under CSS/CDP at C.F.C (SFRUTI, Scheme) Mechery, Salem-Dist. and Bharathiar Palkalaikoodam, Puducherry with twenty trainees each. The training was on jacquard harness building & designing and designing on dobby & jacquard respectively. Designing on dobby & jacquard Programme was inaugurated by Hon. Minister of Arts & Culture, Govt. of Puducherry.



Designing on dobby & jacquard programme



Inauguration by Hon. Minister of Arts & Culture, Govt. of Puducherry.







RSTRS, Varanasi organised Technology Demonstration Programme on 12 Dec, 2022 at Lohta, Varanasi at the premises of R. K. Textiles where 40 power-loom and 30 Shuttle-less looms are working. Shri. Mukul Sengupta, Scientist-D detailed about the importance of power-loom over handloom in the present scenario of Varanasi. He also informed that the installation of power-loom is increasing day by day. He also explained about the different schemes in weaving sector under Silk Samagra-II.





## Demonstration of Technology by RSTRS, Varanasi



Participants at Technology Demonstration Programme, Ramnagar, Varanasi.

RSTRS, Varanasi organised Technology Demonstration Programme on 23rd March, 2023 at Ramnagar, Varanasi where mainly cotton Jamdani with pure zari sarees are manufactured in handloom. Shri. Vivek Kumar, opined about the importance of handloom at the present scenario of Varanasi. Shri. Mukul Sengupta, Scientist-D explained about advantages of using handloom towards special importance of imparting intricate design on the Jamdani Saree.

## Demonstration of Technology by RSTRS, Varanasi

RSTRS, Guwahati organised three programmes on Demonstration of Technology under Extension Communication Programme at Kamrup(R) district, Assam. Technologies developed by CSTRl and improved package of practice in Muga Reeling on Sonalika Machine and Eri Spinning on MSM were demonstrated. More than 90 people benefitted by these programmes.



Demonstration of Technology held at Dakhla Colony (05th Dec, 2022)



Demonstration of Technology held at Rajapukhuri (02nd March, 2023)



Demonstration of Technology held at Borihat (06th March, 2023)





## Products Developed Under Concluded Project



- Development of 3D woven silk fabrics and their suitable applications - CFW07014MI



- Development of different types of blended yarns and comfort characterization of the blended fabrics - CYS07018SI





## PERSONNEL

### CSTRI CONGRATULATES THE FOLLOWING OFFICIALS ON THEIR PROMOTION

Name of the Officers/Official	Place of Posting	Promoted as	Effective Date
Smt. Lakshmi Kanthamma B.	CSTRI, Bengaluru	Assistant (A&A)	01-01-23
Smt. Indrani M.	CSTRI, Bengaluru	Assistant (A&A)	01-01-23

### CSTRI WISHES A HAPPY RETIRED LIFE FOR THE FOLLOWING OFFICIALS

Name of the Officers/Official Retired on Superannuation	Name of the unit	Retired on
Shri. Nagaraju K.	RSTRS, Dharmavaram	31-10-22
Shri. Jayanta Ghose	RSTRS, Guwahati	31-10-22
Smt. Mrinal Mukherjee	RSTRS, Malda	30-11-22
Shri. Abdul Shukoor Shaikh	STSC, Rayapura	31-12-22
Smt. Sangita Kumari	STSC, Bgagalpur	31-12-22
Shri. Saurabh Majumdar	RSTRS, Malda	31-01-23
Smt. Hemashree Saikia	RSTRS, Guwahati	31-01-23
Shri. Venkata Ramana Dasari	RSTRS, Dharmavaram	31-01-23
Shri. Motilal Soren	STSC, Bgagalpur	31-01-23
Shri. Ravi Shankar M.	CSTRI, Bengaluru	28-02-23
Shri. Ananda Mondal	RSTRS, Malda	31-03-23
Shri. Mohammed Husan	RSTRS, Varanasi	31-03-23
Retired under VRS		
Smt. Meena Razdan	STSC, Jammu	01-02-2023



## CENTRAL SILK TECHNOLOGICAL RESEARCH INSTITUTE Central Silk Board

BTM Layout, Madivala, Bengaluru-560 068  
Phone: 080-2668 8831 e-mail: cstriiban.csb@nic.in  
www.cstri.res.in