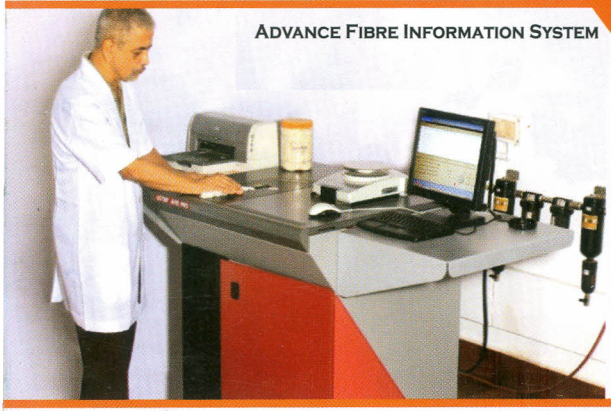
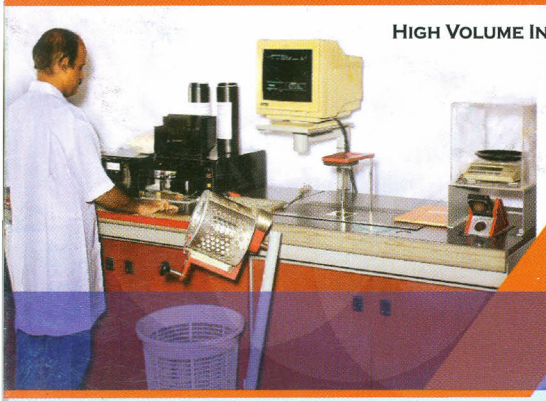
ICAR-CIRCOT Leaflet No.: 158/2017

ISO-9001:2008

Training on
Basic and Advanced Techniques for Evaluation of Textile Materials



ADVANCE FIBRE INFORMATION SYSTEM



HIGH VOLUME INSTRUMENT

January 4-6, 2018

Organized by

ICAR - Central Institute for Research on Cotton Technology (ICAR-CIRCOT)
D.A.R.E., Ministry of Agriculture & Farmers Welfare, Govt. of India
Adenwala Road, Matunga, Mumbai- 400019 (MS) INDIA

Introduction

The ICAR-Central Institute for Research on Cotton Technology (ICAR-CIRCOT), one of the premier constituent institutes of the Indian Council of Agricultural Research (ICAR), was established in the year 1924. The Institute is conducting research and development on all aspects of post-harvest technology of cotton and value addition to cotton by-produce with following mandate:

- Basic and strategic research on processing cotton and its ago-residues, development of value added products and quality assessment
- Skill development and business incubation services and function as referral laboratory for cotton fibres.

The Institute has been conducting skill development programmes to propagate, encourage and guide entrepreneurs to successfully adopt and market commercially viable technologies and to equip people with best practices in cotton ginning, quality evaluation of cotton fibres and value addition to by-products.

About the training programme

Quality assurance in textiles starts with testing and characterization of material in process as well as end products. Characterization of textile materials play an important role for maintaining competiveness of textile industry through improved quality of products and for developing novel products through research and development. Testing of textile materials like fibre, yarn and fabric is an important aspect of quality control of textile materials and products. Other tests and procedures are also essential for evaluation of structural and functional aspects of textile.

Training on 'Quality Evaluation & Spinning performance of Indian Cottons using Advanced Techniques' includes a series of lectures and demonstrations of testing procedures and instruments employed for characterizing textile materials for their physical, structural and functional properties. This training module is designed to provide comprehensive understanding of both basic and advanced knowledge in textile testing and characterization.

Objectives

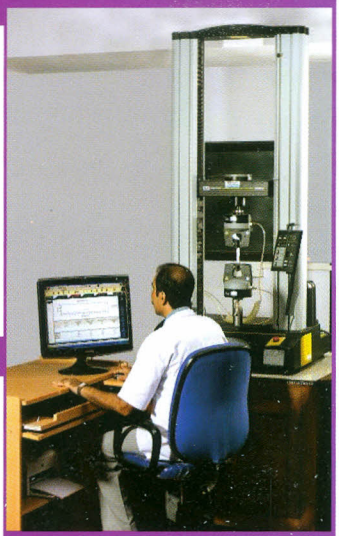
- To impart both theoretical and practical knowledge on textile testing and characterization using advanced instrumentation.
- Estimation of spinning performance from fibre and yarn quality data
- To equip the trainees with proficiency in all aspects advanced textile testing methods and their applications in quality evaluation

Course content

- Fibre quality evaluation using HVI and AFIS and interpretation of results
- Tensile testing of fibre yarn and fabrics using Instron UTM
- Evaluation of yarn evenness
- Evaluation of interfacial tensions of textile materials using goniometry
- Yarn hairiness and its measurement
- Electrical resistance of textile materials and its measurement

Facilities Available

- High Volume Instrument
- Advanced Fibre Information System
- Tensiometer
- Goniometer
- Instron Tensile Testing Machine
- Uster Evenness Tester
- Zweigle Yarn Hairiness Tester
- Electrometer



Instron Tensile Testing Machine

Date and Venue

January 4-6, 2017 at ICAR- Central Institute for Research on Cotton Technology (CIRCOT), Adenwala Road, Matunga (East), Near Five Gardens, Mumbai 400019.

Accommodation

Guest house accommodation at ICAR-CIRCOT is limited and shall be provided at standard rate on first-come-first-serve basis in sharing basis (A/c) accommodation.

Fees

The programme fee is Rs. 10,000 + service tax (as applicable) per person. The charges include course fee, course material and working lunch. The fee does not include travel, lodging and conveyance and other personal expensesthere is 50% fee concession for students, academicians and participants from NARS.

Fibre Testing Lab

Yarn Testing Lab

How to apply

The interested participants may send their application in the prescribed format which is available on the website www.circot.res.in. The fee in the form of DD drawn/ at par Cheque in favour of "**Director, CIRCOT**" payable at Mumbai, may be sent to the below mentioned address so as to reach us on or before **December 28th, 2017**. The bank account detail for NEFT transfer is given below;

Account Name	Director, ICAR-CIRCOT
Bank Name	State Bank of India, Commercial Branch, Dadar East, Mumbai – 400014
A/c No.	10001710244
NEFT IFSC	SBIN0004114

How to Reach CIRCOT

From Airport (Domestic) : 10 km
From Airport (International) : 12 km
Nearest Railway Station : Dadar (1.7 km)
Nearby Bus Stop : Kapol Nivas on Dr. B.R. Ambedkar Road, Matunga (E), and Five Gardens Bus Stop
Landmark : Five Gardens, Matunga

Organizers

Course Director : Dr. P. G. Patil, Director, ICAR-CIRCOT
Course Coordinators : Dr. P. K. Mandhyan, Sr. Scientist & Head I/c., QEID
Dr. S. K. Dey, Sr. Scientist, QEID
Mr. R. S. Prabhudesai, ACTO, QEID
Mr. C. M. More, ACTO, QEID

Address for correspondence

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Designed by : Miss. Aarti B. Ahire, YP-II,TTD