

How to apply

Interested participants may send their application in the prescribed format which is available on the **Website : www.circot.icar.gov.in**

How to reach ICAR- CIRCOT

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

Organizers

Course director : Dr. S. K. Shukla, Director
Course co-ordinators : Dr. Sujata Saxena, HOD, CBPD
Dr. A. Arputharaj, Senior Scientist, CBPD
Dr. T. Senthilkumar, Senior Scientist, MPD
Dr. P. Jagajanatha, Senior Scientist, QEID
Dr. Manoj K. Mahawar, Scientist, ETTD

Address for correspondence

Dr. A. K. Bharimalla

Principal Scientist
Engineering Technology Transfer Division,
Nodal Officer, SCSP Scheme
ICAR-Central Institute for Research on Cotton Technology (ICAR-CIRCOT),
Adenwala Road, Matunga, Mumbai - 400019

Mobile number : +91-9702878249,
+91-9944933908
Email : scsp.circot@icar.gov.in



ADVANCED CHARACTERIZATION OF COTTON QUALITY AND ITS SPINNING & DYEING PERFORMANCE



Special Training Program for Candidates from Scheduled Caste Community



September 25-27, 2023

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
URL: www.circot.icar.gov.in



About ICAR -CIRCOT

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 processing of cotton and its by-products.

The institute has been conducting skill development programmes to propagate, encourage and guide entrepreneurs to successfully adopt and market commercially viable technology 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

It is well known that the quality of final product mostly depends on the quality of cotton fibre used. Commercial value of cotton is determined by its physical characteristics. Hence cotton quality evaluation becomes crucial and important in cotton trade and industry. The measurement of trash or non-lint content is very important in assessing the lint quality of cotton sample. Cotton fibre quality requirement varies for different spinning system with the rise of new development in the machines. Dyeing performance evaluation of cotton is very important in the determination of end use of cotton fibre.

Hence, this training program is organized to inculcate students and faculty members about the various quality aspects of cotton like fibre length, fineness, strength, maturity, various modes of testing in HVI, and processing steps like spinning which contributes to the quality of yarn. Importance of dyeing fastness and its evaluation will also be the part of this training programme.

In this training programme effort is made exclusively to bring more SC candidates to enhance their skill, expertise and entrepreneurship qualities.

Who can attend?

Researchers, academia, students industry persons working in the field of textiles and allied industry with authentic SC caste certificate are eligible to attend this training programme.

Objectives

- To equip the trainees with proficiency of understanding the cotton fibre quality attributes
- To impart basic knowledge of spinning and evaluation of cotton spinning potential
- To impart basic knowledge of dyeing of cotton and chemical characterization of dyed materials

Course Content

- Evaluation of cotton fibre properties using HVI
- Gravimetric determination of trash content in cotton
- Cotton fibre quality and its effect on different spinning systems
- Production of cotton yarn using open end and ring spinning system
- Dyeing of cotton using different classes of dyes
- Determination of colour value and fastness properties of dyed cotton textiles

Facility available in the institute

- Fully automatic high volume instrument
- Trash analyzer
- Open-end, Ring, Compact and Friction spinning
- Advanced computer colour matching system
- UV visible spectrophotometer
- Xenon light fastness tester

Date and Venue

September 25-27, 2023 at ICAR- Central Institute for Research on Cotton Technology (ICAR-CIRCOT), Adenwala road, Matunga (East), Near Five Gardens, Mumbai 400019.

Accommodation

Guest house accommodation at ICAR-CIRCOT is limited and shall be provided on first come first serve sharing basis.

Fees

No fee will be charged from the participants for this training programme. No TA & DA will be given to the participants.