

## How to Apply

Interested participants may submit their application using Google Forms <https://bit.ly/ICAR-CIRCOT-Training-Form> also available on the website [www.circot.res.in](http://www.circot.res.in). The fee can be paid by QR code/ DD drawn / at par Cheque in favour of "Director, CIRCOT" payable at Mumbai, so as to reach us on or before February 10, 2024. QR code for payment transaction and Bank account details for NEFT transfer are mentioned below:

Account Name : Director, ICAR-CIRCOT  
Bank Name : State Bank of India, Commercial  
Branch, Dadar East,  
Mumbai - 400014  
Account No. : 10001710244  
IFSC Code : SBIN0004114



## How to Reach CIRCOT

From Airport (Domestic) : 10 km  
From Airport (International) : 12 km  
Nearest Railway Station : Dadar (1.7km)  
Nearest Bus Stop : Kapol Nivas, Dr. Ambedkar Road,  
Matunga East,  
Five Gardens bus stop  
Landmark : Five Gardens, Matunga (E)  
Google Map Link : <https://goo.gl/maps/fst1KuarqCnYA5T26>

## Organizers

Course Director : Dr. S. K. Shukla, Director, ICAR-CIRCOT  
Course Co-ordinator : Dr. A. S. M. Raja, Principal Scientist & Head, QEID  
Dr. A. K. Bharimalla, Principal Scientist, ETTD (Training Incharge)  
Dr. P. Jagajanantha, Senior Scientist, QEID  
Dr. Sharmila Patil, Scientist, QEID

## Address for Correspondence

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# An Introductory Course on Instrumental Evaluation of Clothing Comfort



**Date: February 26 - March 01, 2024**

**Venue: ICAR-CIRCOT, Mumbai**

**Organized by**

भा. क. अनु. प. - केंद्रीय कपास प्रौद्योगिकी अनुसंधान संस्थान  
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 (MH) INDIA



## Introduction

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

- Basic and strategic research on processing cotton and its agro-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 is giving different services like testing, training, skill development, and consultancies in the field of cotton sector. The skill development programme aims to equip stakeholders with the best practices for cotton ginning, cotton fabric quality evaluation, and value addition to byproduct. Apart from this, the institute is disseminating, supplying, and mentoring in the adoption and successful marketing of commercially viable technologies.

## About the training programme

Clothing comfort is an important factor deciding the value of fabrics used for apparel applications. Instrumental evaluation of various aspects of clothing comfort (Fabric Hand) and thermo-physiological comfort like thermal properties, moisture management properties, transportation of water- vapour and air are becoming popular in industry to add value to products. Hence, a training programme on “Instrumental Evaluation of Clothing Comfort” will benefit both the industries and researchers to design and manufacture apparel fabrics having high aesthetic value and wear comfort. This training programme envisages to impart knowledge on all aspects of fabric comfort. ICAR-CIRCOT is equipped with the entire range of Kawabata Evaluation System for fabric Hand Evaluation (KES-FB), Thermolabo II (KES-FB7) for studying different aspects of thermal comfort and other instrumentation for moisture and air permeability of fabrics. The institute has good experienced manpower in this field which helped in providing different consultancy services, training, and testing to many academic institute, industry, and also cotton stakeholders in the past.

## Objectives

- To acquaint the trainees about various aspects of clothing comfort
- To impart both theoretical and practical knowledge on evaluation of tactile and thermophysiological comfort of fabrics

## Course Content

- Evaluation of Fabric Hand Using Kawabata Fabric Evaluation System
- Evaluation of thermal and moisture transport properties of fabrics
- Moisture management properties of fabrics and its evaluation
- Assessment of air permeability of textile materials
- Wear Comfort and its applications

## Facilities Available

- Kawabata Evaluation System for Fabric Hand Evaluation (KES-FB)
- Thermolabo II (KES-FB7)
- Moisture Management tester (MMT)
- KES-FB API Air Permeability Tester
- Dish apparatus for water vapour permeability



## Date & Venue

February 26 - March 01, 2024 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-served basis for 10 participants on sharing basis.

## Fees

The Programme fee is Rs. 25,000/- +18% service tax per participant. The fee includes course fee, course material, breakfast, and working lunch. The fee does not include travel, lodging, conveyance and other personal expenses. Students and NARS participants would be given 50% concession in course fee. Limited seats are available for this training programme.

