SITRA's 69th International Training Programme

October 3, 2022 to November 11, 2022.



International Training Programme

Training of personnel from the textile industry on various aspects of textiles and general management at all levels managerial, supervisory, clerical and workers – is another major activity of SITRA. SITRA's programmes are being used as a medium for dissemination of the knowledge it has gained through its Research and Consultancy and testing activities over the years. SITRA has emerged as an important centre for International training to candidates from third world countries. Sixty eight batches of the programme have been conducted since its initiation in 1974 and around 1700 participants from 75 developing countries have so far benefitted out of SITRA's expertise in textile technology.

Programme objectives

- Sharing of knowledge and transfer of appropriate technology in the textile industry.
- Disseminating and strengthening awareness relating to India's expertise in improving productivity, quality, cost and waste control in the other developing countries.
- Creating and strengthening awareness about the superior quality of modern Indian textile machinery and their cost effectiveness.
- Develop in managerial capabilities among the participants in order to manage and sustain effective management of personnel in organisations.
- Improving International understanding and goodwill between India and developing nations.

About the Course

Textile Testing & Quality Control

Quality is becoming an increasingly important issue in deciding the commercial success of a textile industry and its products. The company's approach to quality is decided by various factors like customer requirement, state-of-

the-art instruments it has and above all qualified manpower. With demands of customer for products attaining quality levels becoming more and more stringent, it has become all the more imperative for mills to attain the levels of bench marked qualitywhich keeps evolving depending upon the needs of customer aswell as industry demands. It is in this context that textile mills are looking for qualified technicians to man their quality control department. With modern quality management concepts in vogue, mills expect their QC personnel to be abreast of the quality concepts so as to satisfy the requirements of their customers. The programme intends to highlight theoretical concepts of quality and the instruments involved, and evolve strategies for its implementation in a phased manner.

Topics Covered

- Materials Management
- Textile Fibre Classification
- Testing of Fibres on various parameters
 High Volume Testing (AFIS,
- High Volume Testing (AFIS HVI)
- Fibre Quality Index (FQI)
- Testing of Yarns for its various properties
- Classimat Faults and Spectrogram Analysis
- Fibre-Yarn Relationship
- Testing of Fabrics on various parameters
- Chemical Testing of fibre yarn and fabric
- Quality Control in SpinningWeaving and Processing
- Statistical Techniques in Quality Control
- Wet processing testing (bleaching, dyeing,

- fastness, water analysis)
- Quality management principles.
- Introduction to technical textiles
- World technical textile scenario
- Classification of technical textiles
- Testing of technical textile products
- Plasma & electro spinning.
- FESEN
- Standards and specifications of technical textiles
- Breathability
- Splash resistance
- Viral Penetration Resistance
- Bacterial Filtration Efficiency
 Particulate Filtration
 Efficiency.

About the Institution

SITRA, an acronym for South India TextileResearch Association has completed a more than 66 years in textile service. It has achieved rapid progress in the realization of the broad objective it set forth during its establishment in 1956. SITRA is governed by a Council of Administration consisting of member representatives of the Industry, Government and Scientists and is sponsored by the Industry and partly supported by the Ministry of Textiles, Government of India.

is situated at Coimbatore in Tamil Nadu and is within easy access of a large number of textile mills. The modern and architecturally designed buildings with a floor space of about 15,000 sq. m., house well equipped air conditioned testing, electronics and calibration laboratories, pilot mill, library, Training centres, auditorium as well as offices of the different Divisions. SITRA has a full range of sophisticated textile testing instruments and modern machines and is one of the best equipped textile research organizations in the World. Physical and chemical testing of fibre, yarn and fabric in its NABL accredited (ISO/IEC 17025:2017) laboratories equipped with the latest state-of-the-art instruments. SITRA's houses a Centre -of-Excellence for medical textiles that carries out R&D, instrument/product development, standards formulation, training, etc., apart from technological support to new entrepreneurs as part of its incubation facilities.

Sponsorship Details

All fees for the programme are met by the Government o India under its sponsoring schemes - ITEC.

Additionally, participants are paid (through the Institute living allowance of Indian Rupees 1,500/- per day calculated on the basis of arrival and departure dates, fo meeting expenditure on food, out-of-nocket expenses etc.

Since the institute does not have hostel facility, accommodation is arranged in a hotel.

Participants are required to pay from their living allowances for availing services such as:

- a. Room service
- b. Laundry
- c. Telephone topups, stationery, etc.
- d. Daily Boarding expenses
- e. Daily travel to and from the institute

Study Tour

Sprawling in a campus of about 13.14 hectares, SITRA is situated at Coimbatore in Tamil Nadu and is within easy access of a large number of textile mills. The modern and architecturally designed buildings with a

Book Allowance

Government of India provides book allowance for purchase of course-related books and other items of stationery subject to approval for their relevance by the Course coordinator.

How to Apply

Interested candidates are requested to fill their application online in following webportal of ITEC:

https://www.itecgoi.in/how to apply

After submitting their application online, candidates have to take a printout of the application, get it endorsed by their employer and have it duly forwarded it to the Embassy / Mission in their country. On submission, candidates will also be provided with an user name and password and they can be used to check the status of their application on the webportal stated above.

Visa

Once selected for the course, participants will have to apply for Visa to the Embassy / High Commission of India, accredited or concurrently accredited to their country. Visa is issued gratis to them. Visa issued for the Course cannot be utilized for any other purpose.

About Coimbatore

Coimbatore is the third largest city in the State of Tamil Nadu in South India and is noted for its pleasant and salubrious climate. Greater Coimbatore with a population of over 2,000,000 is primarily a textile manufacturing centre with over 100 textile mills located in the District. Being an industrial city, the other major industries include engineering goods, textile machinery, electric motors, motor pumps etc. The rural areas in the District specialise in cotton, sugarcane, maize, groundnut, onion and paddy cultivation. Coimbatore District is one of the well known handloom and powerloom weaving centres. Tirupur, a large



knitwear manufacture and exporting centre, is within an hour's drive from Coimbatore. Coimbatore city has several educational institutions: 3 Universities, 4 Deemed Universities, 30 engineering colleges, 5 medical colleges, 36 arts and science colleges, 3 teachers training colleges,1 college of physical education, 1 college of Auyurveda, 15 polytechnics and a Forest college.



The city has a well developed system of communication with daily jet flights to major cities of the country and direct flights to Singapore and Sharjah and has overnight and day express trains connecting Coimbatore with most of the important places in India. There are long distance deluxe express buses from Coimbatore to all important towns in Ta mil Nadu and neighbouring states. For local transportation, taxis and three wheeler auto rickshaws are available in plenty. The cheapest mode of public transportation is the town bus service and all places in Coimbatore are well connected by the town buses. World wide satellite television channels are all available through many of the cable networks. Subscriber trunk dialling facilities are available with important towns and cities not only in the Country but also abroad.



Internet browsing "Net Cafes" are available throughout the city. Popular and widely read English dailies are published at Coimbatore. There are number of hotels which offer accommodation at moderate rates ranging from Rs.200/- to Rs.1000/- per day. For the religiously inclined, there are many churches, mosques and temples in the city.



Coimbatore has very good medical facilities with a large number of Government and private hospitals as well-as nursing homes providing good medical, surgical and health care facilities. There are also many places of shopping attraction in the city - Gandhipuram and R.S.Puram areas being the notable



ones. Tamil is the language spoken by the majority in the region. English is widely understood both in urban and rural areas. Apart from busy industrial activity, Coimbatore city is also known for many places of tourist attraction. Ooty, The queen of hills, is just 100 Kms. away from Coimbatore. There are many other places within Coimbatore vicinity that are of tourist interest like Isha Yoga centre.