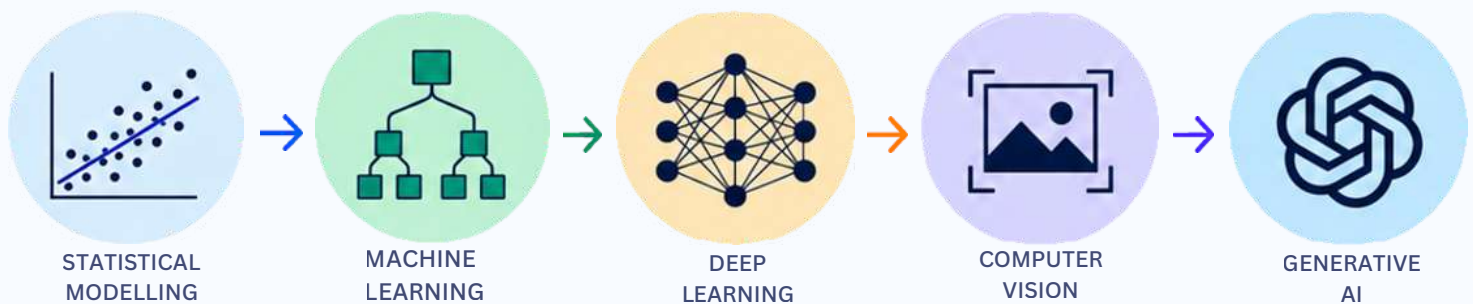


Transition from Statistical Modelling to Artificial Intelligence: A Practical Approach



Data
Models
Algorithms
Applications
For a Smarter Tomorrow

LEARN
BUILD
APPLY
INNOVATE



भा.कृ.अनु.प.- केंद्रीय कपास प्रौद्योगिकी अनुसंधान संस्थान

ICAR-Central Institute for Research on Cotton Technology

D.A.R.E., Ministry of Agriculture & Farmers Welfare, Govt. of India

Adenwala Road, Matunga, Mumbai- 400019 (MH) INDIA

ABOUT ICAR-CIRCOT

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 the 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 ISO 9001:2015 accredited, NABL accredited laboratory (Referral Laboratory for cotton textiles).

ICAR-CIRCOT is one of the institutes involved in R&D activities of natural fibres. The institute has been running skill development program to disseminate, support and mentor entrepreneurs in adopting and successfully marketing commercially viable technologies. Also, the Institute has been providing services to the trade and industry during its long journey of ten decades by imparting training on cotton quality evaluation, ginning and also by offering quality assessment support for fibre, yarn and fabrics on commercial terms.

ABOUT THE TRAINING PROGRAMME

The rapid growth of digital technologies and availability of large, complex and multidimensional datasets have created a need for advanced analytical approaches beyond conventional statistics. The training programme “Transition from Statistical Modelling to Artificial Intelligence: A Practical Approach” is designed to provide a systematic transition from descriptive and inferential statistics, correlation and regression, multivariate analysis and time-series forecasting to machine learning, deep learning, computer vision, object detection and Generative AI. The programme will help researchers develop robust predictive and data-driven models, students acquire modern analytical and computational skills for research and career development, and faculty strengthen their capabilities in teaching, research and student guidance. Overall, the training will bridge the gap between traditional statistical modelling and emerging AI technologies for solving real-world scientific and research problems.

COURSE CONTENT

- Descriptive Statistics and Inferential Statistics
- Correlation and Regression
- Time Series Analysis & Forecasting
- Multivariate Statistical Analysis (PCA, Factor Analysis, Cluster and Discriminant Analysis)
- From Statistical Modelling to Machine Learning
- Machine Learning (Linear and logistic models, Decision trees, Random Forest, Support Vector Machines, k-NN)
- Deep Learning (Neural networks and MLP, CNN)
- Computer Vision & Object Detection
- Generative AI & Real-Life Applications

TRAINING FEES

The Programme fee is Rs. 15,000+ 18 % GST 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. Student participants would be given 50% concession (7,500+18 %GST) in course fee. Limited seats are available for this training programme. Bank account details for NEFT transfer, UPI ID and QR code for payment are mentioned below:

Account Name	: Director, ICAR-CIRCOT
Bank Name	: State Bank of India Commercial Branch, Dadar East, Mumbai - 400 014
Account No.	: 10001710244
IFSC Code	: SBIN0004114
UPI ID	: circot@sbi

UPI ID : circot@sbi



HOW TO APPLY

Interested participants may submit their application using Google Forms <https://forms.gle/xccU4uosSDLPG2WH6>. The fee can be paid by QR code/ at par Cheque in favour of "Director, ICAR-CIRCOT" payable at Mumbai, so as to reach us on or before October 25, 2026.



DATE AND VENUE

October 26-31, 2026 at ICAR- Central Institute for Research on Cotton Technology (CIRCOT), Adenwala Road, Matunga (East), Near Five Gardens, Mumbai 400019.

HOW TO REACH CIRCOT

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

PROGRAMME DIRECTOR

Dr. S. K. Shukla,
Director, ICAR-CIRCOT

COURSE DIRECTOR

Dr. Vinod Kumar Yadav,
Senior Scientist, QEID, ICAR-CIRCOT

COURSE CO-ORDINATOR

- Dr. A. S. M. Raja, Principal Scientist & Head, QEID
- Dr. A. K. Bharimalla, Principal Scientist & PI ABI, ETTD
- Dr. C. Sundaramoorthy, Principal Scientist & Incharge PME
- Dr. Kirti Jalgaonkar, Senior Scientist, QEID
- Dr. Sharmila Patil, Scientist, QEID
- Dr. Himanshushekhar Chaurasia, Scientist, MPD



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