

**MANAGEMENT DEVELOPMENT
PROGRAMME
ON
STATISTICAL MODELLING FOR
DATA ANALYSIS**

(SMDA 2026)

November 23-27, 2026



**ORGANISED BY
VINOD GUPTA SCHOOL OF
MANAGEMENT
INDIAN INSTITUTE OF
TECHNOLOGY
KHARAGPUR, INDIA**

OBJECTIVE OF THE COURSE

Statistical modelling is an important branch in mathematical sciences, which finds utility in almost all areas of sciences, engineering, management and social sciences. The rapid development of computing technology has further raised its importance and placed great demands on its application to real life problems. With the availability of various multivariate techniques and user-friendly statistical software, the ability to analyse large amount of data is not only desirable, but a necessity for any professionals. Such techniques and software are usually very complex and confusing for the uninitiated. There are several issues in this process like selection of appropriate technique, selection of right software, interpretation of results and so forth. The objective of this programme is to emphasize broad range of techniques for data analysis and to foster multi-disciplinary research in these areas.

TOPICS TO BE COVERED

Module 1: Introduction to SMDA

Module 2: Modelling Strategy

Module 3: Basic Understanding of Data

Module 4: Hypothesis Testing

Module 5: Analysis of Variance

Module 7: Regression Modelling
Module 8: Regression Strategy
Module 9: Panel Data Modelling
Module 10: Time Series Modelling
Module 11: Time Series Strategy
Module 12: Discriminate Analysis
Module 13: Conjoint Analysis
Module 14: Cluster Analysis
Module 15: Factor Analysis
Module 16: Structural Equation Modelling

COURSE MATERIALS

The programme is purely application oriented. Necessary course materials will be provided to the participants during the course.

WHO CAN ATTEND?

The course is addressed to corporates, executives and academicians only.

HOW TO APPLY?

The filled registration form along with course fee should reach the course coordinator by November 10, 2026.

IMPORTANT DATES

Last date for application: November 10, 2026

Course dates: November 23-27, 2026

COURSE FEE

Category A: Foreign Participants

Rs. 50000/-

Category B: Corporate Professionals

Rs. 20000/-

Category C: Academicians/ Others

Rs. 12000/-

Category D: Students (Postgraduate)

Rs. 6000/-

Note: AC Accommodation will be provided on charge basis from 22 November to 27th November 2026. The charge is Rs. 2000 for single room accommodation and Rs. 1200 for sharing accommodation. Participants will pay the guest house charge directly at guest house during the check out.

Course fee should be made by electronic fund transfer. For this, the bank details are as follows:

Bank Account Name: CEP-STC, IIT Kharagpur

Account Number: 95562200002955

Bank Name: CANARA BANK

Branch Name: SRIC, IIT KHARAGPUR

Branch Code: 019556

MICR Code: 721015104

IFS Code: **CNRB0019556**

Swift Code: **CNRBINBBBFD**

Bank Address: IIT KHARAGPUR,
KHARAGPUR- 721 302, PASCHIM
MEDINIPUR DIST. (WEST BENGAL),
INDIA (Telephone No: 03222 255221)

CERTIFICATE

Certificate will be issued to each participant from the Office of Dean (VGSOM), Indian Institute of Technology, Kharagpur, India.

COURSE COORDINATOR

Prof. Rudra P. Pradhan

Coordinator, SMDA 2026

Vinod Gupta School of Management

Indian Institute of Technology Kharagpur

West Bengal- 721 302, India

Phone: +91 3222 282316/ 282317

Mobile: +91 9733742104

Fax: +91 3222 278027/ 255303

Email: rudrap@vgsom.iitkgp.ac.in &

pradhanrp@gmail.com