

**MANAGEMENT DEVELOPMENT
PROGRAMME
ON
MULTIVARIATE DATA ANALYSIS**

(MDA 2026)

June 22-26, 2026



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

OBJECTIVE OF THE COURSE

Data Analysis, an important branch in mathematical sciences, is very vital today for all professionals, particularly for researchers, engineers, managers and analysts. The world is very dynamic today, especially with reference to abundance of information and multidisciplinary research. So it is a huge burden on the decision maker to analyse information and take meaningful decisions. 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 MDA

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?

Download the registration form. The filled registration form along with course fee should reach the course coordinator on or before June 10, 2026.

IMPORTANT DATES

Last date for application: June 10, 2026
Course dates: June 22-26, 2026

COURSE FEE

Category A: Foreign Participants
Rs. 5000/-
Category B: Corporate Professionals
Rs. 2000/-
Category C: Academicians/ Others
Rs. 1200/-
Category D: Students (Postgraduate)
Rs. 600/-

Note: AC Accommodation will be provided on charge basis from 21st June to 27th June 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 (CE), Indian Institute of Technology, Kharagpur.

COURSE COORDINATOR

Prof. Rudra P. Pradhan
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