

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.



MANAGEMENT DEVELOPMENT PROGRAMME ON MULTIVARIATE DATA ANALYSIS

May 5-10, 2025

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



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.

VENUE AND PLATFORM?

Venue: Indian Institute of Technology Kharagpur, India

HOW TO APPLY?

<https://erp.iitkgp.ac.in/CEP/courses.htm>

To Apply ONLINE.

Process flows:

Sign up → Login → Profile Fill-up →
Choose a Program → Apply Now

Payment if applicable is to be done ONLINE after getting short listed for the program.

COURSE COORDINATOR

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COURSE FEE (including Goods and Services Tax (GST) 18.00 %). It is non-refundable and non-transferable under any circumstances.

*Category A: Foreign Participants
Rs. 50000/-*

*Category B: Corporate Professionals
Rs. 40000/-*

*Category C: Academicians/ Others
Rs. 30000/-*

*Category D: Students (with getting Scholarships)
Rs. 20000/-*

*Category D: Students (others)
Rs. 10000/-*

CERTIFICATE

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