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**MANAGEMENT DEVELOPMENT  
PROGRAMME  
ON  
MULTIVARIATE DATA ANALYSIS**

**(MDA 2014)**

**June 2-7, 2014**



**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 May 15, 2014.

### **IMPORTANT DATES**

Last date for application: May 15, 2014  
Course dates: June 2-7, 2014

**COURSE FEE (including service tax 12.36 %)**

**Category A: Foreign Participants  
Single Room AC Accommodation:**

**Rs. 50000/-**

**Twin Sharing AC Accommodation**

**Rs. 40000/-**

**Category B: Corporate Professionals**

**Single Room AC Accommodation:**

**Rs. 30000/-**

**Twin Sharing AC Accommodation**

**Rs. 25000/-**

**No Accommodation**

**Rs. 20000/-**

**Category C: Academicians/ Others**

**Single Room AC Accommodation:**

**Rs. 25000/-**

**Twin Sharing AC Accommodation**

**Rs. 20000/-**

**Twin Sharing NON AC Accommodation**

**Rs. 16000/-**

**No Accommodation**

**Rs. 12000/-**

**Category D: Students (Postgraduate)**

**Twin Sharing NON AC Accommodation**

**Rs. 13000/-**

**No Accommodation**

**Rs. 10000/-**

**Note:** For AC accommodation (category A- C), Deluxe Accommodation will be available for extra payments of Rs. 5000.

The course fee includes course materials, certificate, food and accommodation at IIT Guest house. Please note that accommodation is available on twin sharing basis. **Payments should be made by electronic fund transfer. For this, the bank details are as follows:**

Account Name: CEP-STC, IIT Kharagpur

Account Number: 95562200002955

Bank Name: SYNDICATE BANK

Bank Branch Name: SRIC, IIT Kharagpur (Branch Code: 9556)

Indian Financial System Code (IFSC):

**SYNB0009556**

Swift Code: **SYN BIN BB 120**

Bank Address: IIT Kharagpur, Kharagpur- 721 302, Midinipur Dist. (W. B.), India (Telephone No: 03222 255221)

**NOTE:**

**In case of electronic money transfer, please submit a copy of money transfer record with details of bank, amount, transaction number and date. The bank proof must be attached with registration form.**

Payment can also be made through a bank draft drawn in favour of “**CEP-STC, IIT Kharagpur**” Payable at **Kharagpur.**

**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  
Coordinator, MDA 2014  
Vinod Gupta School of Management  
Indian Institute of Technology Kharagpur  
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