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**Management Development
Programme
on
STATISTICAL MODELLING
FOR DATA ANALYSIS
SMDA 2015
December 7-12, 2015**



**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 design
Module 3: Estimation and hypothesis testing
Module 4: Basics of statistical modelling
Module 5: Analysis of Variance
Module 6: Regression Modelling

Module 7: Discriminate Analysis
Module 8: Conjoint Analysis
Module 9: Cluster Analysis
Module 10: Multidimensional Scaling
Module 11: Factor Analysis
Module 12: Structural Equation Modelling
Module 13: Panel Data Modelling
Module 14: Time series modelling
Module 15: Statistical Applications

(Details will be highlighted in the programme schedule)

COURSE MATERIALS

Necessary course materials will be provided to the participants during the course.

WHO CAN ATTEND?

The course is addressed to (1) Executive from Industry, Corporate, Government and NGOs; (2) Faculty from colleges and universities; and (3) Students with minimum qualification of graduation.

HOW TO APPLY?

[Download](#) the registration form. The filled registration form along with course fee should reach the course coordinator on or before November 15, 2015.

IMPORTANT DATES

Last Date of Application:

November 15, 2015

Programme Duration:

December 7-12, 2015

COURSE FEE (including service tax 12.36 %)

Category A: Foreign Participants

Single Room AC Accommodation:

Rs. 60000/-

Twin Sharing AC Accommodation

Rs. 50000/-

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/-

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

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Programme Coordinator, SMDA 2015
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