

FACULTY DEVELOPMENT PROGRAMME

(FDP)

(Online Mode)

On

DATA ANALYSIS USING STATISTICAL TOOLS AND ECONOMETRIC TECHNIQUES

(26-30 December 2021)



IIM SIRMAUR
KNOWLEDGE . LEADERSHIP

Organized by
**Indian Institute of Management
Sirmaur**



OBJECTIVES

This online FDP Programme is carefully designed for the faculty members / research scholars/business executives across different domains of social sciences, engineering, economic sciences, and management to learn data analysis, research methodologies and their implementation through various statistical/econometric softwares. The prime objective of this programme is to equip the participants with the requisite knowledge for selection of adequate econometric techniques, application of those research techniques, estimation of results using the different statistical tools and econometric software, and interpretation of results. The resource persons include experts in different specialized areas across IITs / IIMs and other institutes.

WHO SHOULD ATTEND?

Young faculty members with a passion for quantitative research will find the programme extremely useful. Practitioners in the management field/industry, Research scholars and Ph.D. students/Fellows at all stages can also greatly benefit from this program and are encouraged to register.

TOPICS TO BE COVERED

1. Introduction to Statistics.
2. Hypothesis testing, Analysis of Variance and Association, Correlation analysis
3. Introduction to Statistical softwares
4. Data Preparation and Visualization
5. Regression Modelling (Bivariate and Multivariate)
6. Classical assumptions of Multicollinearity, Autocorrelation, and Heteroskedasticity
7. Time Series Analysis (Unit roots, AR, MA, ACF and PACF, ARIMA, Granger Causality, Cointegration, ECM and VECM, VAR modelling, Volatility Models- ARCH/GARCH etc.)
8. Panel Data techniques (FE, RE, HT)
9. Dynamic Panel technique (System and Difference GMM)
10. Writing a research paper.
11. Publishing articles in top journals

RESOURCE PERSONS

The experts include Faculty members from IIMs/

IITs/other institutes specialized in the course content of the FDP.

NOMINATION AND CORRESPONDENCE

Interested candidates should send the nomination through e-mail of the scanned copy of hand written enclosed Proforma duly sponsored by the appropriate authority/self-sponsored along with the course fee details. All the nominations should be sent to mhkunroo@iimsirmaur.ac.in

PROGRAMME FEE

The program fee for this program are:

Rs. 3500 (including GST) for business executives and Faculty members.

Rs. 2500 (including GST) for Ph.D. scholars/Fellows.

Rs. 1000 (including GST) for Masters' students.

***The last date of registration is 23rd of December 2021.**

***Note: Participants would receive e-Certificate for participation.**

PAYMENT

The **program fee** should be paid through the online mode at the following link.

Link for fee payment

<https://eazypay.icicibank.com/eazypayLink?P1=P73U5NhOr67dkPfljlo45A==>

OR

Directly deposit the requisite fee in the below account.

Beneficiary Name: Indian Institute of Management Sirmaur

Bank Name : Punjab National Bank

Account Number : 4008000101670869

IFSC Code : PUNB0400800

Bank Address : Y Point, Main Market Paonta Sahib, District Sirmaur, Himachal Pradesh-173025

**INDIAN INSTITUTE OF MANAGEMENT
SIRMAUR
NOMINATION PROFORMA
Faculty Development Programme on
Data Analysis using Statistical Tools and
Econometric techniques
(26-30 December 2021)**

Name & Address of the Candidate/s

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Tel. (With STD code)
(Off.).....(Res.).....
FAX :(Mobile).....

E-mail.....

Address of Sponsoring Authority (If applicable)

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Tel. (With STD code)
(Off.).....
FAX
E-mail.....

Payment Details:
UTR no./ Transaction no.

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Signature of Candidate

Signature of Sponsor
with Seal (if applicable)

IIM SIRMAUR

IIM Sirmaur is situated in the verdant surroundings of Himalayas (located in Paonta Sahib and nearby to Dehradun). IIM Sirmaur provides an ideal setting to educate and train the best minds of the country, away from the hustle and bustle of metropolitan cities. IIM Sirmaur is one of the 3rd generation IIMs set up by MHRD, Govt. of India.

Paonta Sahib is among the major industrial towns of Himachal Pradesh. The town is an important religious place for the Sikhs, and it attracts pilgrims from around the world. The campus is equipped with modern facilities and latest technology to provide an excellent learning environment for the students. The institute has state-of-the art classrooms equipped with overhead projectors and modern furniture, fully equipped conference rooms with video-conferencing facility, a 24x7 library and a computer lab with latest configuration machines as well as access to various software and databases.

PATRON

**Professor Neelu Rohmetra
Director, IIM Sirmaur**

FDP COORDINATOR

**Dr. Mohd Hussain Kunroo,
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