

5 Days Faculty Development Program on “Contemporary Approaches to Research & Education, 2023 (CARE 2023)”

In association with HRDC, Department of BBA, IEM has conducted a 5day (40Hrs) Faculty Development Programme FDP CARE 2023. This was the 4th Anniversary of FDP CARE. The participants of this FDP are the faculty members and research scholars from different Universities & Colleges. Total 21 participants registered & completed the program. The Program Co-ordinators were Prof. (Dr.) Saikat Chakrabarti, Prof. (Dr.) Soumik Gangopadhyay, Prof. (Dr.) Dipak Saha, Prof. (Dr.) Bidushi Chakrabarty, Prof. Suchana Roy, Prof. Arkaprava Chakrabarty, Prof. Sreeparna Guha.

This FDP was mainly focused on introducing theory and practical implementation of Time Series and Panel Data Models by learning hands on experience using those concepts on R and STATA. After the last session an evaluation test was conducted with 20 questions each with 2 marks weightage. The following is the program course structure details –

Date	Topics Covered	Speaker
24-11-2023	Introduction, Basic components of Time Series, Steps involved in Time Series Analysis, Stationary and Non-Stationary in Time Series and their testing, Basic Introduction to ARMA, ARIMA Modelling for forecasting.	Prof. (Dr.) Krishnendu Das Assistant Professor & Head Department of Economics, Lal Baba College, University of Calcutta.
28-11-2023	ARIMA, ARCH, GARCH Models in Time Series Analysis, its application in forecasting the series, Code implementation, Simple and multiple Time Series Regression and assumption, OLS Estimation and Conclusion.	Prof. (Dr.) Samrat Roy Assistant Professor & PhD Coordinator, St. Xavier's College, Kolkata.
29-11-2023	Concept of Panel Data Analysis, The Structure of panel data set, The advantages of using panel dataset, The Pooled OLS Model, The Fixed Effects Model, The Random Effects Model, Hausman Test, The issues in panel data estimation.	Prof. (Dr.) Rabin Mazumder Professor & Head, Department of Business Administration, IEM Kolkata.
30-11-2023	Hands on Experience and Conclusion.	Prof. (Dr.) Rabin Mazumder Professor & Head, Department of Business Administration, IEM Kolkata.

01-12-2023	Special Session on Balancing Emotion through Mind <u><i>Stealing</i></u> Activities, valedictory. A practical session on Stress Management and technique of mentoring.	Prof. (Dr.) Saikat Chakrabarti Associate Professor & Course Co-ordinator, Department of Business Administration, IEM Kolkata
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Brochure

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Assistant Professor, Department of Business Administration,
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soumik.gangopadhyay@iem.edu.in

- Our Expert Speakers



Prof. (Dr) Krishnendu Das
Assistant Professor & Head,
Department of Economics,
Lalbaha College, University of Calcutta
Expertise: Time Series Analysis



Prof. (Dr) Samrat Roy
Assistant Professor & Flor Coordinator,
Department of Economics,
St. Xavier's College, Kolkata
Expertise: Time Series Analysis



Prof. (Dr) Rabin Mandal
Professor & Head, Department of
Business Administration,
Institute of Technology & Management, Kolkata
Expertise: Profit/Innovation



Prof. (Dr) Saikat Chakrabarti
Associate Professor & Course Coordinator,
Department of Business Administration,
Institute of Engineering & Management, Kolkata
Expertise: HR & ICM




Institute of Engineering & Management
4th Faculty Development Programme
on
Contemporary Approaches to
Research & Education, 2023
(CARE 2023)

24th November 2023 – 1st December 2023
(10 AM – 05 PM in Offline Mode)



Re

Organized by:
Department of Business Administration (BBA), IEM Kolkata
In association with HRDC-IEM
GN – 34/2, Sector – V, Salt Lake Electronics Complex,
Kolkata – 700091

About the Institute

Steering through so many impediments, Institute of Engineering and Management (IEM), the first private engineering college in West Bengal, started its journey in 1989 with the untiring and noble efforts of the visionary Director Prof. (Dr) Satyajit Chakrabarty. Presently, IEM is affiliated to University of Engineering & Management, (UEM) Kolkata. IEM is accredited with an 'A' Grade by NAAC. IEM has been ranked the 3rd best engineering college in West Bengal after IIT Kharagpur and NIT Durgapur by NIRF ranking. Since its inception, IEM has the enviable record of consistently achieving 100% placement. Many students get more than one job offer. Faculty members have published more than 3000 research papers, hundreds of books and of more than 14 patents in the last three years. Some of our eminent faculty members are on the editorial board of various journals. IEM has signed MOUs with Iwate Prefectural University, Japan, ESC Rennes School of Business, France, Montpellier Business School, France, De Mont Ford University, UK, etc., to promote higher studies and research. IEM also holds international conferences in Canada and USA with IEEE, Scopus, etc. Study tours for the students are organized in Singapore and Thailand.

Topics to be covered: (Schedule: 10 AM – 05 PM in Offline Mode)

Day	Topic Covered	Speaker
Day 1 (24.11.23)	Introduction, Basic Components of a Time Series, Steps involved in Time Series Analysis, stationarity and non-stationary in Time Series and their testing, basic introduction to ARMA, ARIMA Modeling for forecasting.	Prof. (Dr) Krishnendu Das Assistant Professor & Head Department of Economics, Lalbaba College, University of Calcutta
Day 2 (28.11.23)	ARIMA, ARCH, GARCH Models in Time Series Analysis, its application in forecasting the series. Code implementation, Simple and Multiple Time Series Regression with its assumptions, OLS Estimation and Conclusion.	Prof. (Dr) Sanrat Roy Assistant Professor & PhD Coordinator, St. Xavier's College, Kolkata
Day 3 (29.11.23)	Concept of Panel Data Analysis, the structure of Panel Dataset, the advantages of using Panel Dataset, The Pooled OLS Model, The Fixed Effects Model, The Random Effects Model, Hausman Test, The issues in Panel Data Estimation.	Prof. (Dr) Rabin Mazumder Professor & Head, Department of Business Administration, IEM Kolkata
Day 4 (30.11.23)	Hands on experience and Conclusion.	Prof. (Dr) Rabin Mazumder Professor & Head, Department of Business Administration, IEM Kolkata
Day 5 (01.12.23)	Special session on Balancing Emotion through Mind Stealing Activities, valedictory.	Prof. (Dr) Saikat Chakrabarti Associate Professor & Course Coordinator, Department of Business Administration, IEM Kolkata

Objectives of the Programme

- To introduce the theory and estimation methods of Time Series and Panel Data models.
- To encourage the research orientation of keen researchers in the field of Social Science Management, Finance, Economics and allied areas.
- To understand details about steps and statistics involved in simple research as well as advanced levels of time series and panel data analysis using different software.

Target Participants

The programme is intended for current and prospective faculty members and researchers of various Institutes, university departments, degree colleges, and other professionals.

Pedagogy

The FDP aims at being highly interactive and a perfect blend of lectures and hands-on experience in the computer laboratory.

Programme Outcome

- Participants will learn the application of basic and advanced time series and panel data analysis.
- Participants will be able to estimate different time series and panel data models with the help of statistical software.
- This workshop will contribute to UGC approved API score.

Duration

The program will be of five days duration from 24.11.2023 to 01.12.2023.

Registration Fees

Faculty Members/Academicians/Corporates: ₹ 2500
Research Scholars: ₹ 1500

Important Dates

Last Date of Registration	20.11.2023
Date of FDP	24.11.2023 – 01.12.2023

Program Coordinator

Prof. (Dr) Saikat Chakrabarti
Associate Professor, Department of Business Administration,
Institute of Engineering & Management Kolkata,
Contact No.: 9433525844, Email ID: saikat.chakrabarti@iem.edu.in

Prof. (Dr) Soumik Gangopadhyay
Professor, Department of Business Administration,
Institute of Engineering & Management Kolkata,
Contact No.: 9903981505, E-mail id: soumik.gangopadhyay@iem.edu.in

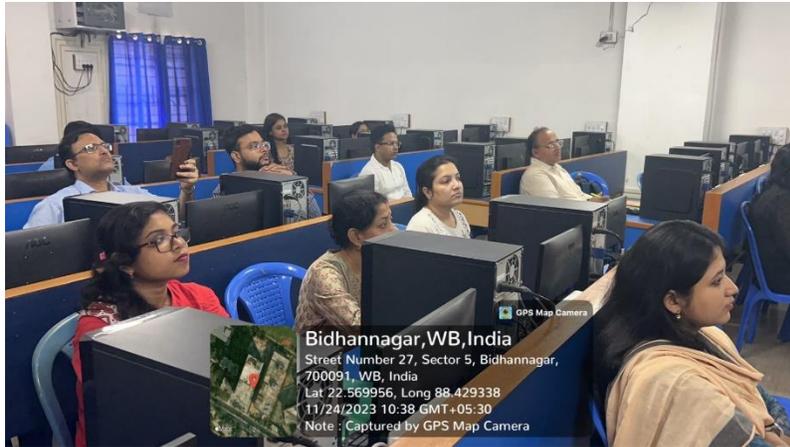
Pictures from Event

Day 1 – 24/11/2023

Resource Person: Prof. (Dr.) Krishnendu Das, Assistant Professor & Head Department of Economics, Lal Baba College, CU

Topic Discussed: Basic components of Time Series and Application using R.



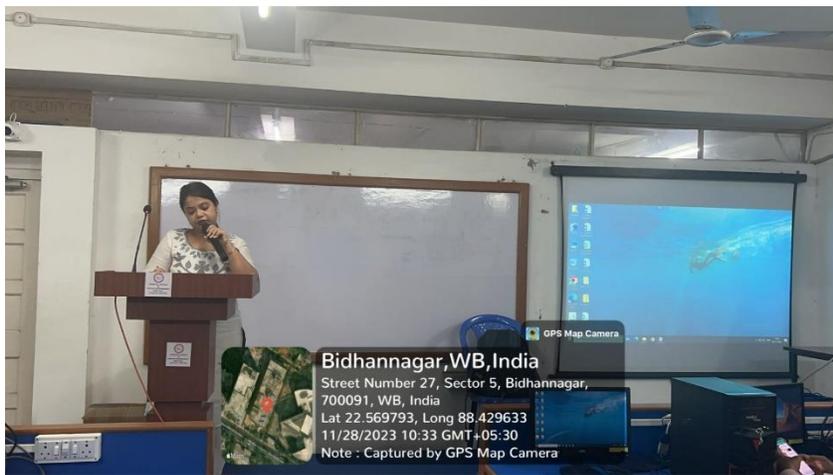


Day 2 – 28/11/2023

**Resource Person: Prof. (Dr.) Samrat Roy, Assistant Professor & PhD Coordinator,
St. Xavier’s College, Kolkata**

Topic Discussed: Time Series Analysis with different models and OLS estimation.





Day 3 – 29/11/2023

Resource Person: Prof. (Dr.) Rabin Mazumder, Professor & Head, Department of Business Administration, IEM Kolkata.

Topic Discussed: Time Series Analysis with forecasting and hands on experience using STATA.





Day 4 – 30/11/2023

Resource Person: Prof. (Dr.) Rabin Mazumder, Professor & Head, Department of Business Administration, IEM Kolkata.

Topic Discussed: Panel Data Analysis with hands on experience using STATA.







Day 5 – 1/12/2023

Resource Person: Prof. (Dr.) Saikat Chakrabarti, Associate Professor & Course Co-ordinator, Department of Business Administration, IEM Kolkata

Topic Discussed: Balancing Emotion through Mind Stealing Activities; A practical session on Stress Management and Technique of Mentoring.







Attendance Sheet

Attendance Sheet						
4th Faculty Development Programme on						
Contemporary Approaches to Research & Education CARE 2023						
Sl No.	Name	24.11.2023	28.11.2023	29.11.2023	30.11.2023	01.12.2023
1	Prof Arindam Roy	ARoy	ARoy	ARoy	ARoy	ARoy
2	Prof Debarati Ghosh	D Ghosh	D Ghosh	D Ghosh	D Ghosh	D Ghosh
3	Prof Peu Das	Das	Das	Das	Das	Das
4	Prof Sreelekha Biswas	S Biswas	S Biswas	S Biswas	S Biswas	S Biswas
5	Prof Priyanka Singh	P Singh	P Singh	P Singh	P Singh	P Singh
6	Prof Sananda Halder	S Halder	S Halder	S Halder	S Halder	S Halder
7	Prof Sayan Karmakar	S Karmakar	S Karmakar	S Karmakar	(A)	S Karmakar
8	Ms Poulami Basu	(A)	Poulami Basu	Poulami Basu	Poulami Basu	Poulami Basu
9	Ms Pritha Ghosh	P Ghosh	P Ghosh	P Ghosh	P Ghosh	P Ghosh
10	Prof (Dr) Subhadeep Naskar	S Naskar	S Naskar	S Naskar	S Naskar	S Naskar
11	Prof (Dr) Sayani Maity Roy	S Roy	S Roy	S Roy	S Roy	S Roy
12	Prof Shantanu Chakraborty	S Chakraborty	S Chakraborty	S Chakraborty	S Chakraborty	S Chakraborty
13	Himadri Shankar Das	H Das	H Das	H Das	(A)	H Das
14	Md Mahfuzur Rahman Mullick	M Mullick	M Mullick	M Mullick	(A)	M Mullick
15	Prof (Dr) Goldina Ghosh	G Ghosh	G Ghosh	G Ghosh	(A)	G Ghosh
16	Dr Aparna Maiti	(A)	Aparna Maiti	Aparna Maiti	Aparna Maiti	Aparna Maiti
17	Prof (Dr) Saikat Chakraborty	S Chakraborty	S Chakraborty	S Chakraborty	S Chakraborty	S Chakraborty
18	Prof (Dr) Bidushi Chakraborty	B Chakraborty	B Chakraborty	B Chakraborty	B Chakraborty	B Chakraborty
19	Prof Arka Prava Chakraborty	A Chakraborty	A Chakraborty	A Chakraborty	A Chakraborty	A Chakraborty
20	Prof Sreeparna Guha	S Guha	S Guha	S Guha	S Guha	S Guha
21	Prof Saikat Mondal	S Mondal	S Mondal	S Mondal	S Mondal	S Mondal

Attendance verified by
 Prof. (Dr.) Dipak Saha
 01.12.2023