

Centre for Management Studies Organizes

SUMMER FDP ON ADVANCED DATA ANALYSIS TECHNIQUES FOR RESEARCH

Date : 22nd to 30th July 2024



ABOUT GIBS

Gitarattan International Business School (giBS) was established in the year 2004 under the aegis of Rohini Educational Society. The Society is proudly running various other successful Institutions in Delhi like Gitarattan Institute of Advanced Studies & Training, Gitarattan Jindal Public School &The Sovereign School.

giBS is affiliated to Guru Gobind Singh Indraprastha University, Delhi and is approved by All India Council for Technical Education (AICTE), Ministry of HRD, Government of India for Technical programmes and Bar Council of India for Law programmes. The Institute is conducting programme like MBA, MBA (International Business), BBA (General), (Both First and Second shift), BA LLB (H.), BBA LLB(H) and LLM.

Approved by AICTE for Management Courses & Bar Council of India for Law Courses & Affiliated to Guru Gobind Singh Indraprastha University, Delhi.

'A' Grade NAAC Accredited & ISO 9001:2015, ISO 15001:2015 & ISO 50001:2018 Certified. Assessed Category 'A+' by Govt. of NCT of Delhi & GGSIPU.

ABOUT THE FDP

We are delighted to invite you for a 9-days FDP workshop organized by the Centre of Management Studies at Gitarattan International Business School, Rohini , New Delhi from 22nd to 30th July, 2024 .The FDP will provide a unique opportunity for Academicians /Ph.D. scholars/PG students, participants of all disciplines and related disciplines from the Higher Education Institutes to deepen their understanding of data analysis techniques for research processes. The FDP will be organized in the hybrid mode both in-person and online participants.

In the ever-evolving landscape of academia, staying abreast of the latest advancements in data analysis is crucial for impactful research. We are delighted to invite you to our Faculty Development Programme (FDP) on "Advanced Data Analysis Techniques for Research," a comprehensive initiative designed to empower educators and researchers with cutting-edge analytical skills.

This programme is tailored to provide a deep dive into sophisticated data analysis methodologies, equipping participants with the tools needed to enhance the quality and efficiency of their research. From mastering complex statistical models to exploring advanced data visualization techniques, this FDP will cover a wide range of topics essential for contemporary research excellence.

PEDAGOGY

The pedagogy for teaching mining and data analytics topics has been designed to foster active learning, critical thinking, and practical application.

Interactive Lectures: Sessions will involve interactive lectures to introduce key concepts, theories, and techniques. Visual aids, real-world examples, and case studies will be used to illustrate abstract .

Hands-onExercises:Hands-on exercises and practical assignments will be used to allow participants to apply the concepts learned in lectures. Datasets and guidance for conducting data processing, analysis, and interpretation using relevant software tools will also be provided.

Group Projects: Group projects that require participants to work collaboratively to solve real-world problems using data mining and analytics techniques will be provided.

By adopting a learner-centered and experiential learning approach, the pedagogy for teaching Advanced Data Analysis topics can effectively engage participants, enhance their understanding and retention of the material, and prepare them for success in applying data mining and analytics techniques in their professional endeavors.

THE AIM AND OBJECTIVES OF THE FDP

The aim and objectives of exploring the topics of Advanced Data Analysis Techniques for Research encompass several key aspects, each contributing to a broader understanding and application of these concepts:

- **Knowledge Acquisition:** The primary aim is to equip participants with a comprehensive understanding of data mining and analytics techniques, including their underlying principles, methodologies, and applications across various domains.
- **Skill Development:** Through theoretical knowledge and practical exercises, participants will develop the skills necessary to effectively preprocess, analyze, and interpret data using advanced mining and analytics techniques.
- **Problem Solving:** The objective is to enable participants to identify real-world problems and apply appropriate mining and analytics approaches to derive meaningful insights and solutions.
- **Ethical Considerations:** An important objective is to foster an understanding of the ethical implications of data mining and analytics, including issues related to privacy, bias, and fairness, and to promote responsible data practices.
- **Professional Development:** The program seeks to contribute to the professional development of participants by enhancing their data literacy, analytical skills, and problem-solving abilities, thereby increasing their employability and career prospects in the data-driven economy.

Target Group: for Faculty Members & Research Scholars

Schedule for Summer FDP Management 22/07/24 to 30/07/24

S.No.	Date & Day	Topic	Duration	Resource Person	
1	22/07/24, Monday	Conducting comprehensive SLR and Bibliometric Analysis using AI	10:00 am to 1:00 pm	Dr Shalini Aggarwal Alumnus of the Indian Institute of Management (IIM) Ahmedabad & Professor of Finance, Chandigarh University, Mohali	
		Hands on lab session	2:00 to 3:00 pm		
2	23/07/24, Tuesday	Applying AI tools in research -Elicit, Consensus, Scispace, Jenni AI	10:00 am to 1:00 pm	Dr Abhijit Das Professor, Gitarattan International Business School	
		Hands on lab session	2:00 to 3:00 pm		
3	24/07/24, Wednesday	Data Mining and Content Analysis - Using Orange `	10:00 am to 1:00 pm	Mr Mohan Krishan Director, Acquink	
		Hands on lab session	2:00 to 3:00 pm		
4	25/07/24, Thursday	Data Visualization for communicating insights from data	10:00 am to 1:00 pm	Dr Ajay Chauhan Chief Consultant- Research Shiksha	
		Hands on lab session	2:00 to 3:00 pm		
5	26/07/24, Friday	Starting With Python - Introduction using Jupyter notebook	10:00 am to 1:00 pm	Dr B P Sharma President, Vigor Council	
		Hands on lab session	2:00 to 3:00 pm		
6	27/07/24, Saturday	Data Extraction and Statistical Analysis using _Python	10:00 am to 1:00 pm		
		Hands on lab session	2:00 to 3:00 pm		
7	29/07/24, Monday	Using Python modules: Numpy, Pandas, Scipy, Matplot	10:00 am to 1:00 pm		
		Hands on lab session	2:00 to 3:00 pm		
8	30/07/24, Tuesday	Publishing research papers in High Impact Journals	10:00 am to 1:00 pm		Prof Dr Sumanjit Singh Professor, Department of Commerce Ramjas College, University of Delhi
		Bibliography & citation - Using tools like Mendley & Zotero	2:00 to 3:00 pm		Dr Abhijit Das Professor, Gitarattan International Business School

EXPECTED OUTCOMES

The expected outcomes from the above sessions on Advanced Data Analysis Techniques for Research are multifaceted, encompassing knowledge acquisition and skill development, as well as broader implications for decision-making, innovation, and ethical practice. Here are some expected outcomes:

Comprehensive Understanding: Participants will gain a comprehensive understanding of Advanced Data Analysis Techniques for Research and methodologies.

Practical Skills: Participants will develop practical skills in handling, analyzing, and interpreting data using relevant software tools or programming languages. They will be able to preprocess data, apply appropriate analytical techniques, and interpret results to derive actionable insights.

Problem-Solving Abilities: Participants will enhance their problem-solving abilities by learning how to identify, formulate, and address real-world problems using data mining and analytics approaches. They will be able to apply appropriate techniques to solve problems across various domains, such as marketing, finance, healthcare, and more.

Informed Decision-Making: Participants will be equipped with the knowledge and tools to support informed decision-making processes within organizations. They will learn how to leverage data to identify trends, predict outcomes, and optimize strategies for achieving organizational objectives.

Innovation and Creativity: Participants will be inspired to innovate and explore new opportunities for leveraging data in novel ways. They will gain insights into how data mining and analytics can drive innovation, foster creativity, and generate value across different industries and sectors.

Professional Development: Participants will enhance their professional development by acquiring valuable skills and knowledge in data mining and analytics. They will increase their employability and career prospects in the data-driven economy, and be better equipped to adapt to evolving industry trends and demands.

Collaborative Learning Community: Participants will become part of a collaborative learning community where they can share experiences, insights, and best practices with peers and instructors. They will benefit from peer learning, feedback, and support, enriching their learning experience and expanding their professional network.

GUIDELINES FOR REGISTRATION

Registration Fee payable for Faculty Members & Research Scholars:

Online Mode : Rs 499/-

Offline Mode : Rs 1999/-

Registration Fee payable for Corporate & Industry Personnel : Rs 1999/-

Foreign Participants : \$ 25/-

Registration will be made on first come first serve basis.

Discount of 10% will be given if 5 or more participants are from the same Organization

Note: If a person wants to attend and pay on a per day basis charges will be Rs 99/- per day. You may register over the online registration link,

VENUE

GITARATTAN INTERNATIONAL BUSINESS SCHOOL

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Email : gibs@gitarattan.edu.in



Registration Scan Code

Last Date For Registration

20th July, 2024

On Spot Registration is also allowed on request

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