



giBS

Gitarattan International Business School

▪ Grade 'A' Accredited by NAAC ▪ Affiliated with GGSIPU



INSTITUTE INNOVATION &
ENTREPRENEURSHIP CELL
(IIC-GIBS)



**6 DAYS
WINTER FDP**

HYBRID MODE

**TRANSFORMING DATA
INTO PUBLISHABLE
RESEARCH OUTCOMES**

10th December 2025 to 17th December 2025

Last Date of Registration - 5th December 2025



ABOUT GIBS

Established in 2004, the Gitarattan International Business School (GIBS) is affiliated with Guru Gobind Singh Indraprastha University (GGSIPU), Delhi, and is approved by the All India Council for Technical Education (AICTE), Ministry of HRD, Government of India, for Technical programs, and the Bar Council of India (BCI) for Law programmes. The Institute is conducting programmes like MBA, MBA (International Business), Integrated BBA-MBA, BBA (General), Int. BA LLB (Hons.) and Int. BBA LLB (Hons.), LLM.

GIBS is a self-financed, private, co-educational institution, which has been graded 'A' by National Assessment & Accreditation Council in 2nd cycle. GIBS has been rated 'A+' by the State fee Regulatory Committee, a fee committee of Govt. of NCT of Delhi. It has been rated the highest grading 'A' by the Joint Inspection Committee of Govt of NCT of Delhi & GGSIP University since 2013 till date. It has been rated Grade 'A' by the Academic Audit Cell of GGSIP University since 2011 till date. GIBS has also achieved 3 star ranking in IIC MOE ranking 2024. Also, GIBS has been rated as number 2 PAN India by Times Business School survey in 2021, 2019 and 2018. GIBS has been ranked No.19th in Top 20 Business Schools of North India by Times B School survey 2023 PAN India for its MBA programme and ranked No.1 in BBA program by Times B school survey 2023.

Since its inception, GIBS has been unwavering in its pursuit of academic excellence, fostering the development of aspiring professionals in both the business and legal arenas. With a focus on student and faculty development, placement opportunities, and an ever-evolving curriculum, GIBS has firmly established itself as one of the premier institutions within GGSIPU, leading the way in business and law education.

GIBS is committed to developing versatile students equipped to tackle the challenges of the competitive professional world with a value-driven approach. Beyond academic learning, students engage in a variety of co-curricular and extracurricular activities that sharpen their managerial and legal skills, preparing them to succeed as professional managers, lawyers, and entrepreneurs.

At the core of GIBS is its distinguished faculty, consisting of leading experts in their respective fields. These educators bring both practical experience and academic rigor to the classroom, creating a well-rounded educational experience that empowers students to navigate complex legal and business environments. GIBS's commitment to faculty development extends beyond traditional teaching; investment in research, cutting-edge technologies, and industry partnerships ensures that professors stay at the forefront of their disciplines. This results in an engaging and dynamic learning atmosphere where students gain a profound understanding of the constantly evolving business and legal landscapes.

With two decades of dedicated service in education, GIBS boasts a world-class infrastructure that seamlessly integrates tradition with modernity. The campus offers a conducive environment for academic and personal growth, with air-conditioned lecture rooms, advanced computer centers and labs, seminar halls, conference rooms, a state-of-the-art auditorium, and well-stocked libraries housing a vast collection of legal and business resources. These facilities ensure that students have access to the necessary tools for their intellectual development.

GIBS's outstanding placement track record is a testament to the institution's understanding that education is not solely about acquiring knowledge, but also about preparing students for successful careers. The dedicated career services team works tirelessly to connect students with internship opportunities and job placements at renowned law firms, corporate organizations, and government agencies. The institution's extensive alumni network, which spans the globe, is a powerful testament to the opportunities that a GIBS education opens up.

Looking towards the future, GIBS remains committed to its core values of excellence, integrity, and innovation. As we move forward, we invite you to join us on a transformative journey where the intersection of business and law not only serves as an academic discipline but also as a gateway to limitless professional opportunities.

ACHIEVEMENTS AND ACCOLODES

GIBS has been recognized for its consistent excellence:

- Graded 'A' by the National Assessment & Accreditation Council (NAAC) in the 3rd Cycle.
- Rated 'A+' by the State Fee Regulatory Committee, a government body under the NCT of Delhi.
- Awarded the highest grading of 'A' by the Joint Inspection Committee of the Government of NCT of Delhi and GGSIP University from 2013 to date.
- Rated 'Grade A' by the Academic Audit Cell of GGSIP University since 2011.
- Achieved a 3-star ranking in the IIC MOE ranking 2024.
- Ranked No. 2 Pan India by the Times Business School Survey in 2021, 2019, and 2018.

VISION AND MISSION

Vision

To prepare outstanding professionals in business management and other disciplines, who can provide intellectual-emotional-psychological leadership; design-develop-implement systems & processes; and research-innovate-compete at national & international level.

Mission

- Provide an integrated learning experience stressing basic skill development, academic excellence, employable skill preparation and intellectual rigor;
- Promote integrated personality development of students;
- Encourage research and excellence in all activities of teaching fraternity;
- Promote continuous improvement in processes and systems through innovative ideas and technologies, and
- Nurture culture of fairness, equity and partnership.

INTRODUCTION

The 6-Day Winter Faculty Development Programme (FDP) on *Multivariate Data Analysis and Structural Equation Modeling (SEM)* is designed to strengthen the research capabilities of faculty members, research scholars, and professionals. In today's data-driven academic environment, the ability to analyze complex datasets, apply advanced statistical techniques, and present meaningful research findings is essential. This FDP provides a comprehensive, hands-on learning experience covering statistical foundations, Exploratory and Confirmatory Factor Analysis (EFA & CFA), Structural Equation Modeling (SEM), mediation-moderation techniques, and research publication skills.

Through expertly curated sessions delivered by experienced academicians and researchers, participants gain exposure to analytical tools such as SPSS, AMOS, and SmartPLS. The programme emphasizes conceptual clarity, practical execution, assumption testing, dataset preparation, model fit evaluation, and the translation of statistical results into high-quality research papers. The FDP ensures that participants not only learn the methods but also develop the confidence to apply them effectively in their academic and research careers.

IMPORTANCE OF THE FDP

1. Enhances Research Skills and Analytical Competence

The FDP equips participants with advanced statistical techniques like EFA, CFA, and SEM—skills that are essential for modern empirical research across management, social sciences, psychology, education, and other fields.

2. Bridges the Gap Between Theory and Practical Application

Participants receive hands-on training using SPSS, AMOS, and SmartPLS. This practical exposure helps them understand data preparation, reliability and validity testing, model specification, fit indices, and interpretation of output—skills often missing in traditional coursework.

3. Strengthens Publication Capabilities

Special sessions on writing results, drafting discussion sections, journal selection, avoiding predatory journals, and responding to reviewers enable participants to produce high-quality research papers suitable for Scopus, ABDC, and indexed journals.

4. Supports Outcome-Based Education (OBE) and NEP Guidelines

The FDP enhances faculty competency in handling data-driven research, contributing to outcome-based teaching, high-impact research, and institutional quality enhancement aligned with NAAC/NBA expectations.

5. Builds Confidence in Handling Complex Research Models

From measurement models to structural models, mediation, moderation, and multigroup analysis, the FDP develops analytical reasoning and model-building skills that faculty need for guiding students and completing their own research projects.

6. Encourages Networking and Collaborative Learning

The FDP brings together faculty and researchers from various institutions, enabling knowledge sharing, collaborative problem solving, and the development of a research-oriented academic culture.

7. Fosters Ethical and High-Quality Research Practices

With dedicated sessions on publication ethics, plagiarism checks, and reviewing standards, the FDP instills integrity, transparency, and professionalism in academic writing.

Registration Fee

Category	Registration Fee (INR) (Online Mode)	Registration Fee (INR) (Offline Mode)
Academicians / Faculty Members	₹1500/-+ ₹500/- (convenience fee) ₹2000/-	₹1500/-



SCAN QR TO REGISTER

PROGRAMME SCHEDULE

6 Days Winter FDP Schedule (10th December 2025 – 17th December 2025)

Day	Theme / Focus Area	Session 1 (09:15am to 11:15am)	Session 2 (11:30am to 01:30pm)		Session 3 (02:30pm to 04:30pm)
Day 1 (10 th Dec. 2025- Wednesday)	Introduction to Multivariate Analysis (Prof. Abhijit Das)	Overview of Multivariate Data Analysis — Concepts, types, and importance in research	Overview of SPSS : Multivariate Data Analysis — Concepts, types, and importance in research Data Preparation & Assumption Testing — Reliability & Validity, Normality, multi collinearity, outliers, missing data handling	Lunch Break	Exploratory Data Analysis — Correlation, Regression, covariance, and data visualization techniques
Day 2 (11 th Dec. 2025 Thursday)	Exploratory Factor Analysis (EFA) (Dr. Kalpana Agrawal)	Understanding Factor Analysis — Purpose, concepts, and data suitability tests (KMO, Bartlett's Test)	Extraction & Rotation Methods — Principal component vs. principal axis factoring, varimax rotation		Reliability & Validity — Cronbach's alpha, composite reliability, and construct validation
Day 3 (12 th Dec. 2025 - Friday)	Confirmatory Factor Analysis (CFA) (Prof. Urvesh Chaudhery) & (Dr. Vinki Rani)	Introduction to CFA — Difference between EFA and CFA, model specification	Model Estimation & Fit Indices — χ^2 , CFI, TLI, RMSEA, SRMR interpretation Model Modification & Validation — Modification indices, cross-validation, and reporting CFA results		Writing Results & Discussion Sections — Translating statistical findings into narratives Journal Selection & Submission Process — Choosing appropriate journals, avoiding predatory ones Publication Ethics & Reviewer Feedback — Ethical writing, plagiarism check, responding to reviewers (Prof. Urvesh Chaudhery)

Day 4 (15th Dec. 2025 - Monday)	SEM Foundation – Concepts to Path Analysis (Dr. Ajay Kumar Chauhan)	Introduction to SEM, latent vs. observed variables, measurement vs. structural models, model identification	Conceptual framework building, direct and indirect effects, drawing path diagrams		Dataset setup, variable assignment, developing a basic path model (AMOS/SmartPLS)
Day 5 (16th Dec. 2025 - Tuesday)	Mediation & Moderation in SEM (Dr. Ajay Kumar Chauhan)	Understanding mediation and moderation logic, theoretical justification	Bootstrapping, effect estimation, interpreting mediation & moderation output		Running mediation/moderation models, interpretation of p-values, t-values, effect sizes
Day 6 (17th Dec. 2025 - Wednesday)	Advanced SEM Applications (Dr. Ajay Kumar Chauhan)	Multi-group analysis (MGA), higher-order constructs (HOCs), formative vs. reflective constructs	Model fit indices, tables, path diagrams, writing results section (APA/Scopus format) Participants develop and present their SEM model with outputs		Question & Answer Session Valedictory Session

ORGANISING COMMITTEE

Chief Patron

Shri R.N Jindal
Chairman

Patron

Shri Anirudh Jindal
Vice-Chairman

Chief Coordinator

Prof (Dr.) Vikas Nath
Director

Conveners

Prof. (Dr.) Urvesh Chaudhery
Professor
Cordinator

Ms. Vandana Rastogi
Assistant Professor
Co-Cordinator

Organised By

GITARATTAN INTERNATIONAL BUSINESS SCHOOL

PSP 2A & 2B Complex II Madhuban Chowk, Sector 14, Rohini (East), Delhi-110085

Contact: +91-11-27555607/08 +91-11-27555609