

Report on Faculty Development Program on Research Methodology and Business Analytics

12th Dec 2024 – 18th Dec 2024

The Department of Commerce and the Department of Computer Science organized a week-long Faculty Development Program (FDP) on Research Methodology and Business Analytics under the aegis of the Internal Quality Assurance Cell (IQAC) of Sri Guru Gobind Singh College of Commerce. The program was conducted in association with the Department-College Interface, Department of Commerce, Faculty of Commerce and Business, Delhi School of Economics, University of Delhi.

This FDP was envisioned by Senior Professor Ajay Kumar Singh, Head of the Department of Commerce and Dean, Faculty of Commerce and Business, Delhi School of Economics, University of Delhi. Held under the department-college interface led by Prof. Amit Kumar Singh, the FDP was mentored by Prof. Hamendra Kumar Dangi from the Department of Commerce, Delhi School of Economics, University of Delhi. Prof. Dangi's guidance was instrumental in formulating the guidelines, drafting the curriculum, arranging resource persons, and motivating participants.

A special mention goes to our Principal, Dr. J.B. Singh, whose forward-thinking approach and unwavering support have always inspired us to organize events that foster the exchange of knowledge and wisdom.

The FDP aimed to equip educators, learners, and researchers with cutting-edge tools, techniques, and best practices for advanced teaching and research. Its objective was to empower participants to enhance their academic and professional journeys in research methodology and business analytics.

The program featured sessions by eminent resource persons from both academic and industry backgrounds, including:

- **Prof. H.K. Dangi**, Department of Commerce, Delhi School of Economics, University of Delhi
- **Prof. Prabhat Mittal**, Satyawati College
- **Dr. Anil Goswami**, Associate Professor, Department of Commerce, Delhi University
- **Dr. Arun Julka**, Associate Professor, Department of Commerce, Maharaja Agrasen College, Delhi University
- **Mr. Akshay Mahajan**, Senior Process Manager, American Express

FDP Schedule:

Date and day	Slot	Session	Resource person	Subject covered
12 th December, Thursday	Morning	Session 1	All Dignitaries	Inauguration & Keynote address
	Post lunch	Session 2	Prof. H.K. Dangi	Big Data, Analytics, and Research Methodology
13 th December, Friday	Morning	Session 3	Prof Prabhat Mittal	Data Preparation and Summarisation using spreadsheet
	Post lunch	Session 4	Prof Prabhat Mittal	Descriptive Statistics and Advance Excel
14 th December, Saturday	Morning	Session 5	Prof. Anil Goswami	Data Visualisation using Spreadsheet and Tableau
	Post Lunch	Session 6	Prof. Anil Goswami	Data Visualisation using Power BI
16 th December, Monday	Morning	Session 7	Prof. Arun Julka	Getting started with R and Data Structures in R
	Post lunch	Session 8	Prof. Arun Julka	Descriptive Statistics Using R
17 th December, Tuesday	Morning	Session 9	Mr. Akshay Mahajan	Predictive and Textual Analytics- I
	Post lunch	Session 10	Mr. Akshay Mahajan	Predictive and Textual Analytics- II
18 th December, Wednesday	Morning	Session 11	All participants	Presentations
	Post lunch	Session 12	All Dignitaries	Valedictory

These sessions provided participants with invaluable insights into both theoretical and practical aspects of research methodology and business analytics.

This program witnessed the enthusiastic participation of 40 vibrant individuals from various colleges of the University of Delhi and other esteemed institutions.

Profile of Participants:

Institution	Count
Sri Guru Gobind Singh College of Commerce, University of Delhi	12
University of Delhi	5

Indraprastha College for Women, University of Delhi	2
Jagan Institute of Management Studies	2
Shri Ram College of Commerce, University of Delhi	2
Shyama Prasad Mukherjee Collage for Women	2
VIPS - TC	2
Deen Dayal Upadhyaya College, University of Delhi	1
Hindu College, University of Delhi	1
Kamala Nehru College University of Delhi	1
Kirori Mal College, University of Delhi	1
Lady Shri Ram College for women	1
PGDAV College, Delhi University	1
Ram Lal Anand College, Delhi University	1
Ramanujan College, University of Delhi	1
Satyawati College (M)	1
Shriji Education College & BSGSS-NGO	1
Sri Guru Nanak Dev Khalsa College, University of Delhi	1
Swami Vivekanand Subharti University	1
Finance (Delhi University)	1

Of these 40 participants, 21 have never taught Business Statistics/Mathematics.

Designation/ work and learning profile of participants:

Designation/ work-learning profile	Count of participants
Assistant Professor	28
Assistant Professor (Guest)	4
Associate Professor	5
Professor	1
Student/ Research scholar	2

Grand Total	40
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This collaboration across institutions has been one of the most remarkable aspects of this program.

In the **final session, presentations from all participants were judged by** Dr. Sukrit Kumar from Rainbow children Hospital. He also enlightened the participants about business analytics applications and challenges through his expertise in consultation across spectrum of healthcare industries.

In the valedictory session, the chief guest Prof. Anil K Saini who is Dean of the University School of Management Studies (USMS), Director - Industry Interaction Cell and Director-Development of GGSIP University, New Delhi urged the participants to use this knowledge.

Two best presentations were awarded and all participants were presented with the participation certificate.

From the inspiring sessions led by our esteemed speakers to the enthusiasm and active participation shown by all the participants, this event has been nothing short of **remarkable**.











