

Workshop: Use of Research Techniques in Social Sciences

Event Dates: February 20th-21st, 2025

Event Time: 10:00 AM

Venue: Computer Lab 1, SLC (M)

Organized By: ECOMANIACS, Economics Society, Shyam Lal College (M)

Teacher-In-Charge/Convenor: Dr. Supriti Mishra

Introduction

The Department of Economics, Shyam Lal College (M), organized a two-day workshop on “Use of Research Techniques in Social Sciences” on February 20th and 21st, 2025, under the convenorship of Dr. Supriti Mishra. Designed for undergraduate students, the workshop combined conceptual learning with practical training, helping participants understand how to approach, conduct, and present research effectively. Over the course of two days, attendees gained both a theoretical foundation and valuable technical skills, enabling them to apply research tools in real academic and professional settings.

Objectives

- To introduce students to the fundamentals of social science research and its applications.
- To provide exposure to data collection, processing, and interpretation techniques.
- To train students in using Microsoft Excel for data organization and analysis.
- To familiarize students with R programming for advanced statistical work and visualization.

Participants

The workshop was attended by:

- **Students:** Undergraduate students from the Department of Economics, including research-enthusiastic final-year learners.
- **Faculty:** Members of the department who actively supported and guided the sessions.

- **Resource Persons:**

- **Dr. Devesh Birwal**, Assistant Professor, Delhi School of Economics, with expertise in research methodology and data analytics.
- **Dr. Prabhat Mittal**, Professor, Satyawati College (Evening), University of Delhi, specializing in applied research and statistical tools.

Workshop Agenda

Day 1

- **Introductory Address:** Welcome and outline of the workshop objectives, emphasizing the department's commitment to promoting research culture among undergraduates.
- **Session 1:** Led by *Dr. Devesh Birwal* — Introduction to research basics: identifying topics, framing researchable questions, and selecting appropriate methodologies. Practical tips for narrowing down a topic and structuring a research plan were discussed.
- **Session 2:** Conducted by *Dr. Prabhat Mittal* — Hands-on training in Microsoft Excel for research: data entry, tabulation, visualization (charts and graphs), and initial statistical computations such as averages, correlation, and pivot tables.

Day 2

- **Session 3:** Led by *Dr. Devesh Birwal* — Advanced data analysis techniques in both qualitative and quantitative research, including case studies to illustrate application.
- **Session 4:** Hands-on training in R programming — importing datasets, cleaning data, creating visualizations, and performing statistical modelling. Students worked with real datasets to practice coding and interpretation.

Key Takeaways

1. A clear roadmap for designing and executing a research project in social sciences.
2. Competence in using Microsoft Excel as a versatile tool for data management and preliminary analysis.
3. Foundational knowledge of R programming to conduct advanced statistical and graphical work.
4. The ability to integrate theory with practice in research tasks.
5. Enhanced confidence in handling research assignments at both undergraduate and postgraduate levels.

Feedback

- **Positive Feedback:** Participants appreciated the clarity of explanations, the balance between theory and practical application, and the approachable nature of both resource persons. Many highlighted that the R programming session, though challenging, gave them confidence to explore data analysis tools further.
- **Suggestions for Improvement:** Requests were made for additional follow-up sessions specifically on R programming and more time for case-based exercises.

Conclusion

The workshop proved to be an enriching and transformative learning experience for participants. By offering a rare combination of theoretical grounding and practical exposure, it prepared students to independently undertake research with a professional approach. The Department of Economics extends its heartfelt thanks to **Dr. Supriti Mishra** for convening the program, the resource persons for their expert guidance, and the student volunteers for their active support. This initiative marked another step in the department's ongoing mission to nurture analytical thinking and research competence among its students.





SLC (UNIVERSITY OF DELHI) Shyam Lal College

DEPARTMENT OF ECONOMICS
Presents

TWO DAY WORKSHOP ON USE OF RESEARCH TECHNIQUES IN SOCIAL SCIENCES

Learn the essentials of research writing—topic selection, structure, and citations—to excel in your final year!

Patron - Prof. Rabi Naryan Kar (Principal)

20-21 February 2025

Venue - Computer Lab 1
10:00 AM Onwards

Resource Persons



DEVESH BIRWAL

Assistant Professor, DSE



PRABHAT MITTAL

Associate Professor, SATYAWATI

Faculty of Economics with vast experience in research techniques



Organising Team

Dr. Bharat Garg	Ms. Gunjan Khandelwal
Dr. Bisla Devi	Ms. Suman Rani
Dr. Deepika Kumari	Mr. Sanjeev Kumar
Dr. Jitender Kumar	Ms. Priyambada Gupta
Mr. Aakash Kumar Soni	Ms. Kavita Meena
Ms. Jyoti Atri	Ms. Ashani Dhar

Convenor - Dr. Supriti Mishra

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