



**SHAHEED BHAGAT SINGH COLLEGE**  
UNIVERSITY OF DELHI

**DEPARTMENT OF ECONOMICS**

In Collaboration With

**The Indian Econometrics Society (TIES)**  
Under the Aegis of IQAC

Organises  
**Three Day Workshop on**

**QUANTITATIVE METHODS  
FOR ECONOMIC  
RESEARCH**

**Theoretical Foundation | Hands On Training | Hybrid mode**

**24-26 September 2025**

## ABOUT THE COLLEGE

Established in 1967, Shaheed Bhagat Singh College, University of Delhi, is a distinguished institution of higher learning accredited with an 'A' grade by NAAC. Located in Sheikh Sarai, New Delhi, the college is recognized for its commitment to academic excellence, vibrant campus culture and holistic student development. It offers a wide spectrum of undergraduate and postgraduate programs in diverse disciplines, supported by modern infrastructure including technologically equipped classrooms, a comprehensive library and advanced computer laboratories.



## ABOUT TIES

Established in 1960, The Indian Econometric Society (TIES) is among the oldest and largest professional bodies of econometricians and quantitative economists with over 2,000 members from India and abroad. The society organizes annual conferences, workshops, training programs and publishes the internationally reputed Journal of Quantitative Economics (JQE).

### Objectives

- To provide a forum for researchers in India and abroad through conferences and deliberations.
- To promote the development of econometric methodology and techniques with special emphasis on Indian conditions and challenges.
- To undertake training, research and publication of econometric studies through its journal and other platforms.



## ABOUT THE DEPARTMENT

The department emphasizes rigorous training in theory and quantitative methods, preparing students for higher studies, research and professional careers in economics and related fields. With a dedicated faculty of 18 members, it offers B.A. (Hons.) Economics and B.A. Programme courses that provide a strong academic foundation coupled with practical exposure.



## ABOUT THE WORKSHOP

The Workshop on Quantitative Methods for Economic Research is designed to strengthen participants' understanding of econometric tools and techniques through a structured combination of lectures, discussions and interactive sessions.

### Objectives

- Provide foundational understanding of econometric methodology and analytical techniques.
- Designed to engage faculty members currently teaching or intending to teach Quantitative Methods to fourth year Economics Honours students and learners in allied disciplines within the social sciences.
- To provide hands on training in R Studio, perform empirical analysis and make informed forecasts and policy decisions.

## Resource Persons



**Prof. Neeraj Hatekar**  
Azim Premji University,  
Bengaluru



**Prof. Vikram Dayal**  
Institute of Economic Growth,  
Delhi



**Dr. Wasim Ahmad**  
Associate Professor, Department  
of Economic Sciences, IIT Kanpur



**Dr. M. Rahul**  
Assistant Professor, Institute of  
Economic Growth, Delhi



**Dr. Lokendra Kumawat**  
Associate Professor,  
University of Delhi

- Online recordings of all lectures will be provided.
- Certificate of participation will be awarded to all the registered participants.
- Participants are required to arrange for their own travel and accommodation.
- Registration Fee: Faculty: ₹1000  
Research Scholars: ₹500



# PROGRAM SCHEDULE

DAY 1: 24 SEPTEMBER (ONLINE)	
10:00 AM - 5:30 PM	Data collection – primary vs secondary data, survey design and sampling, understanding economic and social datasets, working with large datasets (Census, NSS, NFHS, satellite data, etc.), high-dimensional and high frequency data and its applications in economic research, regression with panel data – pooled OLS, fixed effects vs random effects models.
DAY 2: 25 SEPTEMBER (ONLINE)	
10:00 AM - 5:30 PM	Introduction to causal inference, Regression Discontinuity Design (RDD), matching methods (propensity score matching, synthetic controls), case studies and applications, Difference-in-Differences (DID), Randomized Control Trials (RCTs)
DAY 3: 26 SEPTEMBER (HYBRID)	
10:00 AM - 5:30 PM	Time series analysis – Introduction, ARMA and ARIMA models and forecasting, ARDL models, non-stationarity and unit roots, tests for unit roots (simple and with structural breaks), binary dependent variable models – LPM, logit and probit models

- Complete program schedule will be provided to registered participants only.
- Tea and Lunch will be provided to registered participants attending offline on 26 September at SBSC.



# ORGANISING COMMITTEE

## PATRON

Prof. Arun Kumar Attree  
Principal

## IQAC CONVENOR

Prof. V.A.V. Raman  
Department of Geography

## TEACHER IN CHARGE

Dr. Saumya Verma  
Department of Economics

## CONVENOR

Dr. Amit Kumar Sharma  
Department of Economics

## Advisory Committee

### Dr. K. Shanmugan

Secretary, TIES

Associate Professor, Department of Business Economics,  
The M.S. University of Baroda, Vadodara

### Dr. Lokendra Kumawat

Executive Council Member, TIES

Associate Professor, University of Delhi

## Organising Team (Faculty)

Dr. Jai Ram Meena

Ms. Gurbinder Kaur

Dr. Pragya Nayyar

Dr. Nahid Parveen

Dr. Ashish Singh

Mr. Naman Jain

Mr. Shubh Sejwar

Mr. Pankaj Yadav

Mr. Deepanshu Yadav

Ms. Saumya Kumar

Ms. Jaspreet Kaur

**Register here :** <https://eazypay.icicibank.com/eazypayLink?P1=NTnfYRZH1fb5HZPx3Xn6KQ==>

**or Scan the QR Code**



**For queries related to this workshop, mail us at:**

**qmworkshop2025@sbs.du.ac.in**

**or contact Ms. Swati: +91 8368715742**

Join Us On Zoom: 



Location: **Shaheed Bhagat Singh College**

**Shaheed Bhagat Singh College**

(University of Delhi)

NAAC A Accredited

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