





# 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

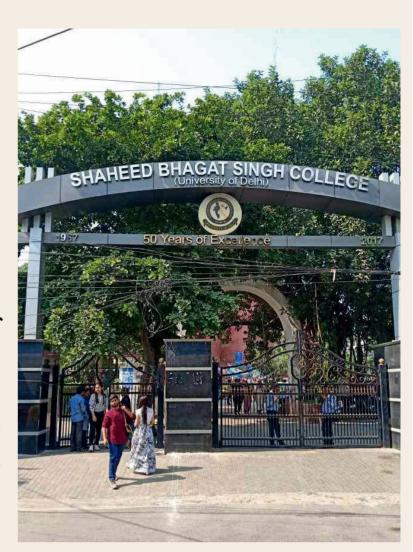
# QUANTITATIVE METHODS FOR ECONOMIC RESEARCH

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 culture and student holistic campus development. It offers a wide spectrum of undergraduate and postgraduate programs in diverse disciplines, supported by modern including technologically infrastructure 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 **Delhi** 



Dr. Wasim Ahmad Institute of Economic Growth, 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.
- Faculty: ₹1000 • Registration Fee:

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. Gurpinder 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: Zoom



Location: Shaheed Bhagat Singh College

**Shaheed Bhagat Singh College** 

(University of Delhi)
NAAC A Accredited

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