



ST. XAVIER'S COLLEGE JAIPUR

Affiliated to the University of Rajasthan
Accredited with Grade A by NAAC (First Cycle, 2025)
An ISO 14001:2015 Certified Institution



ABOUT THE COLLEGE

St. Xavier's College Jaipur (Affiliated to the University of Rajasthan, Jaipur), Accredited with 'A' Grade by NAAC (First Cycle, 2025), and an ISO 14001:2015 Certified Institution, was established in 2010 by the Jaipur Xavier Educational Association (J.X.E.A.), a Jesuit charitable society founded in 1950. The college is recognized under Sections 2(f) and 12(B) of the UGC Act. The college shifted to its modern Nevtā campus in 2021 from its city campus, where it offers nine undergraduate and four postgraduate courses along with Research Centres in English and Business Administration, strengthening its academic and research profile.

ABOUT THE DEPARTMENT OF ECONOMICS AND THE RESEARCH AND DEVELOPMENT CELL

Department of Economics

The Department of Economics was established in 2010 and was upgraded to PG level in 2018. It has consistently set high academic standards, emphasizing intellectual growth, life skills, and research skills. The department enhances student learning through innovative initiatives such as national seminars, symposia, workshops, projects, field surveys, exchange programs, and its publications—the department magazine *Arthika* and journal *Illuminatus*—preparing students to meet the changing global demands. This dedication to excellence is reflected in its alumni, who secure admissions in prestigious institutions like Harvard, Cambridge, the Delhi School of Economics, and IIMs, among others, and find placements in multinationals such as Morgan Stanley, Deloitte, E&Y, Amazon, as well as clearing UPSC and other government sector exams.

Research & Development Cell (RDC)

The Research & Development Cell (RDC) promotes a participatory action research culture rooted in Jesuit values of social equity, dignity, and sustainability. It formulates research policies, identifies thrust areas, and fosters collaboration with industry, academic institutions, and funding agencies. Acting as a central hub, RDC guides researchers in proposal preparation, ensures ethical practices, and promotes innovation through workshops, training, and incubation. The cell nurtures a strong research ecosystem aligned with societal and national development goals.

Department of Economics

in collaboration with

Research & Development Cell (RDC)

is organising

CAPACITY BUILDING PROGRAM SERIES ON ECONOMETRICS

Five-days' Workshop

on

**CAUSAL IDENTIFICATION: RETHINKING
ECONOMETRIC METHODS
(CROSS-SECTIONAL AND PANEL DATA
METHODS)**

(Hybrid Mode)

27 - 31 December 2025

ABOUT THE CAPACITY BUILDING PROGRAM SERIES ON ECONOMETRICS

Introduction: The prevailing approach to econometrics education often places undue emphasis on learning a multitude of statistical models. This, in turn, may produce researchers more adept at applying rote methods than at genuinely understanding research problems. The econometrics curriculum in many settings is shaped primarily by keeping statistics to its core, which can misalign it with the needs of effective economic research.

Current Challenges in Econometrics Education:

- **Overload of Models and Methods:** An exhaustive focus on models risks limiting the ability of researchers to think critically and creatively.
- **Emphasis on Techniques over Insight:** Teaching by listing models and methods, as found in many textbooks or online resources, often leads to superficial understanding that does not translate to quality research or publications.
- **Divergence from Research Needs:** The curriculum being modelled after statistical traditions frequently treats econometrics as a fitting exercise, rather than a discipline centred on answering causal questions.
- **Limits of Workshop Teaching:** The statistical foundations underpinning econometric methods are too complex to be thoroughly addressed in short-term workshops. Attempting to do so turns faculty & students into “button pushers,” relying on packaged solutions rather than understanding methodology.

STRUCTURE FOR THE PROGRAM SERIES

The workshop proposes a structure that divides econometric methods into two broad primary domains:

- **Causal Identification:** Methods of cross-sectional and panel data econometrics, focused on establishing cause-and-effect relationships. (First Workshop December 2025)
- **Forecasting and Prediction:** Time series econometrics, increasingly taught alongside machine learning due to overlapping techniques and goals. (Second Workshop tentatively in May - June 2026)

ABOUT THE WORKSHOP ON CAUSAL IDENTIFICATION:

1. Modern econometrics, especially outside time series analysis, rarely relies on model-fitting for publication in top journals. By prioritizing causal identification and grounding methods in research logic, this workshop seeks to realign econometric education with the demands of high-quality research and effective teaching.

2. Broad Topics to be covered during the workshop:

Days	Topic
1	<i>Introduction & Foundation - Statistics</i>
2	<i>Econometrics Challenges in Cross-Sectional Work: Role of Multivariate OLS Models</i>
3	<i>Empirical Strategies: Dummy Variables, Fixed Effects and Panel Data</i>
4	<i>Empirical Strategies: Difference in Difference and Instrumental Variable Estimation</i>
5	<i>Discrete Choice Models and Introduction to Non-Linear Econometrics</i>

3. First three days (27-29 Dec) offline lectures with hands-on sessions using STATA for 3 hours and 2 hours, respectively.

4. The last two days' (30-31 Dec) topics will be covered through recorded/online lectures of 2-3 hours.

5. Follow-up/ Review online session (one/two days) will be planned in March/April for the cohort to discuss the doubts on the topics taught online, as well as on the data-related queries regarding the research topics of the participants.

6. Pre-workshop reading material and recording Offline lectures will be recorded and will be shared with all the registered participants.

Teaching Philosophy & Approach

The workshop will focus on developing a deep understanding of causal identification. Rather than presenting a rapid-fire overview of available models and tests, the curriculum will emphasize the logic and intuition underpinning causal methods. The aim is to move away from the tradition of treating econometrics as a model-fitting exercise and instead frame it as a discipline of inquiry centred on establishing cause and effect.

Who should attend?

- **Postgraduate students, PhD, and Post-Doctoral Scholars aiming to strengthen their econometric and research skills.**
- **Faculty members interested in enhancing their expertise in econometric research and applications.**

TOTAL SEATS AVAILABLE: 40



Resource Person

Prof. Abhiroop Mukhopadhyay is a distinguished faculty member in the Economics and Planning Unit at the Indian Statistical Institute (Delhi Centre).

- His academic and research contributions span labor economics, econometrics, and applied microeconomics.
- He holds several prestigious affiliations, including Research Fellow at IZA (Bonn), Research Fellow at the Global Labor Organization, Associate Researcher at the Centre de Sciences Humaines (CNRS), and Member of CECFEE.
- Prof. Mukhopadhyay's expertise and extensive experience make him a highly respected voice in the field, and his guidance will provide participants with valuable insights into both the theoretical foundations and applied aspects of **causal identification** as well as **forecasting and prediction** in econometrics.

Important Dates

Last Date for Registration: 15 December 2025

Workshop Dates:

27–29 December 2025 – Offline Sessions at St. Xavier’s College Jaipur (Hathroi Fort Campus)

30–31 December 2025 – Pre Recorded Lecture /Online Sessions

Recorded lectures will be provided to all registered participants.

Guidelines for the Attendees

- All participants are required to complete the registration process by making the payment (via QR code provided in the Google Form) and submitting the filled Google Form. Final registration will be confirmed only after successful payment.
- Participants are requested to arrive at the venue at least 15 minutes before the start of each session.
- Active participation in discussions, activities, and assignments is strongly encouraged.
- Participants are requested to bring their own laptops to facilitate hands-on learning and better understanding of the workshop content.
- Attendance in all sessions is compulsory for eligibility to receive the certificate.

Registration information

Category	Fees
Students and Research Scholars	₹1500
Academicians / Faculty Members	₹2000



1. All participants are required to complete the registration process by making the payment (via QR code provided in the Google Form) and submitting the filled Google Form.
2. Final registration will be confirmed only after payment is successful.
3. Registration is on a first-come cum first-served basis.

Google form Link/QR Code: <https://forms.gle/j4Md6DT7bU7as5Q86>

ORGANISING COMMITTEE



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Important Information

Second Workshop
on
Macro Econometrics: Time Series, Forecasting, and Prediction

Date: Tentatively in May or June 2026