CAPACITY BUILDING TRAINING PROGRAM

Advanced Research Methods for Agricultural Technology and Policy Analysis



18 – 21 November 2026

ORGANISED BY

Division of Agricultural Economics
ICAR-Indian Agricultural Research Institute
New Delhi – 110012

Course Directors

Dr. Alka Singh
Head, Division of Agricultural Economics, ICAR-IARI

Dr. Anjani Kumar
Senior Research Fellow
IFPRI

Course Coordinators

Dr. Praveen K V
Dr. Asha Devi S S
Dr. Harish Kumar H R

About the Division

The Division of Agricultural Economics at the ICAR-Indian Agricultural Research Institute (IARI), New Delhi, is one of the country's leading centres for research, postgraduate teaching and policy support in agricultural economics. Its faculty work on agricultural development and policy, technology assessment and impact analysis, production and resource economics, agricultural markets and trade, and food and nutrition security. The Division offers M.Sc. and Ph.D. programmes and regularly organises capacity building programmes for students and researchers from across the country, in collaboration with national and international partners.

Why This Training

Research and policy institutions are increasingly asked for credible evidence. Which technologies work, for whom, and at what cost? How do policies and shocks affect farmers, markets and the wider economy? Answering such questions calls for methods that go beyond standard coursework.

Impact assessment tools and randomized controlled trials show what a technology or programme actually changed, CGE models trace economy-wide effects, and value chain analysis shows where value is created and lost. This four-day program combines theory sessions with hands-on practical sessions on each of these methods.

Participants Will Learn To

- Choose the right method for a technology or policy question
- Apply impact assessment tools and design randomized trials
- Interpret results from CGE models
- Analyse agricultural value chains

Course Outline

Day 1
Wednesday
18 Nov 2026

Computable General Equilibrium Modeling

Theory: Social Accounting Matrices and CGE model structure

Hands-on: Running economy-wide policy simulations

Day 2
Thursday
19 Nov 2026

Impact Assessment: Endogenous Switching Regression & Synthetic Control Method

Theory: Introduction to impact assessment; causal inference and selection bias; Endogenous Switching Regression; Synthetic Control Method and recent advances

Hands-on: Estimating ESR models with farm household data and applying SCM to evaluate a policy or programme

Day 3
Friday
20 Nov 2026

Randomized Controlled Trials

Theory: Design, randomization, sampling and power

Hands-on: Analysing experimental data and treatment effects

Day 4
Saturday
21 Nov 2026

Value Chain Analysis

Theory: Value chain concepts, actors, margins and governance

Hands-on: Mapping and analysing an agricultural value chain

Resource Persons

Experts from the International Food Policy Research Institute (IFPRI)

Dr. Devesh Roy
Senior Research Fellow, IFPRI

Dr. Sudha Narayanan
Senior Research Fellow, IFPRI

Dr. Anjani Kumar
Senior Research Fellow, IFPRI

Dr. Avinash Kishore
Senior Research Fellow, IFPRI

Dr. Barun Deb Pal
Research Coordinator, IFPRI

Eligibility and Prerequisites

This is an intensive, hands-on program. To ensure that every participant benefits fully, applicants must meet the following requirements.

- **Ph.D. scholars:** in an advanced stage of doctoral research in agricultural economics or allied disciplines, who have sound knowledge on statistical and econometric analysis and can independently handle data in STATA or similar software
- **Early-career researchers:** scientists, faculty or researchers who can demonstrate proficiency in quantitative analysis through peer-reviewed publications, working papers or ongoing research projects
- **Econometrics:** sound knowledge of econometric methods, including regression, panel data and limited dependent variable models
- **Software:** hands-on proficiency in STATA (data management, estimation and do-files) is essential; familiarity with R or GAMS is an advantage
- **Laptop:** participants must bring their own laptop

Applications that do not meet these requirements will not be considered.

How to Apply

1. Apply online through the Google Form (link or QR code)
2. In the form, give details of your research, econometric and software skills, and publications
3. Upload the approval of your Head of Department / Director
4. Last date to apply: **10 November 2026**

Scan to apply

Google Form: https://forms.gle/SsPDoriVaBaVZZiE8

Selection

- **Seats are limited**
- Candidates will be selected on the basis of research stage and relevance, proficiency in econometric tools and software, and publication record
- Selected candidates will be informed by email

Travel and Accommodation

- Selected out-station participants are entitled to II AC train fare or road transport etc., as per ICAR guidelines
- Participants must certify that they have not received TA/DA from their parent institute
- Food and accommodation for out-station participants will be arranged at the ICAR-IARI campus

Venue
Division of Agricultural Economics
ICAR-IARI, Pusa, New Delhi – 110012

Contact
Training.agecon@gmail.com