5-Day GIAN Module

30 June – 04 July 2025
Dept. of HSS, IIT Roorkee

On

New Trade Models and Methods: With Special Reference to Indian Firms and Role of Gender in Firm Performance

Overview

This course is intended for both MA/PhD students and professionals focusing on international trade and development issues. It is intended to provide support for research, by making them aware with different quantitative methods used in current work in international trade and development literature with special reference to the firm level literature on the role of females in firm performance. The course will discuss various topics and tools employed in trade and development such as, heterogeneous firm-level theory and empirics; trade and productivity issues; trade and labour market issues, and role of gender in firm performance.

The proposed module would explore the nuances and dynamics of trade with a focus on cases from different countries using firm level data, similar studies on Indian firms, and the role of gender in firm performance. Participants will engage with key new trade theories, emerging methods, and econometric techniques while handling latest dataset on trade. The module also focuses on gender diversity as a driver of business success, leading participants with strategies to integrate gender-responsive practices in trade. The dedicated lectures, workshops, and group discussions in this module will foster participants' insights on firms' competitiveness and the role of gender in the global level.

Objectives

The primary objectives of the course are as follows:

(i) To provide participants an analytical framework for understanding recent developments in trade issues and gender role in firm performance.

(ii) To bridge the gaps in understanding the theory and empirics in trade analysis for better strategic trade analysis.

(iii) To enable participants with hands-on experience using real time data and indices as well as indicators for trade related analysis emphasizing the role of gender in firm performance.

(iv) To explain country's policy strategies to deal with the latest complexities in trade restrictions and facilitations to enhance trade.

Course details

Duration: 30 June – 04 July, 2025 (5 days)
Venue: Dept. of HSS, IIT Roorkee, Uttarakhand, India -247667

Day1

Lecture 1: 2 hrs: PM
Evolution of Trade Theories – Classical to Neo New Classical theories
Lecture 2: 1 hr: PC
New Trade Theory: Monopolistic Competition and Homogeneous Firms, Economic Geography, Heterogeneous Models of Trade
Tutorial 1: 1 hr: PM
Hands-on session using statistical software (e.g., R, Stata) to estimate trade models; Exposure to real data on Indian trade to practice estimation techniques

Day 2

Lecture 3: 1 hr: PC
Firms in International Trade; Recent Empirical Evidence; Melitz Model
Lecture 4: 1 hr: PC
Eaton and Kortum Model; Meltiz and Ottaviano Model
Tutorial 2: 2 hrs: PC
Testing of Firm-level Data - Why exporters are different from non-exporters? Effect of Trade Reforms on Firm-level performance

Day 3

Lecture 5: 1 hr: PC
Trade and Productivity; Olley-Pakes Method; Levinshon-Petrin Method
Lecture 6 : 1 hr: PC
Trade and Labour Markets: Testing of Estimation of Stolper-Samuelson Theorem – Trade Reforms and Wage Inequality
Tutorial 3: 2 hrs: PC
Estimation of Productivity Indices at Firm-level; Levinshon-Petrin Method; Estimating effect of trade on productivity of firms

Day 4

Lecture 7: 1 hr: PC
Overview of India's trade landscape: Major sectors and key players; Case studies of successful Indian firms utilizing new trade models
Tutorial 4: 1 hr: PC
Overview of Indian firms in the global trade landscape; Success stories: Exploring important dataset covering Indian firms; Analyze a selected Indian firm's trade strategy
Tutorial 5: 1 hr: PM
Handling large-scale informal enterprise survey data and ASI data in STATA

Day 5

Lecture 8:1 hr: PC
Why gender diversity is important for firm performance?
Lecture 9: 2 hrs: PM

Theoretical frameworks linking gender diversity to performance – Organized and unorganized sector

Lecture 10: 1 hr: PC

Evidence of gender impacts on innovation, decision-making, profitability; Importance of gender considerations in trade policy formulation; Best practices from successful global case studies

Tutorial 6: 1 hr: PC

Analyzing data with gender composition of employment at the firm level using ASI and possibly from different countries. Running correlation with firm performance and gender diversity at the firm level

Eligibility Criteria

MA/PhD students and professionals focusing on international trade and development issues

Maximum number of Participants: 30

Fees

Fees include all instructional materials, computer use for tutorials and assignments, laboratory equipment usage charges, food (during sessions) and internet access throughout the campus.

- *Indian Student: ₹1025*
- *Academic institutions: ₹5025*
- *Industry / research organization: ₹12025*
- *Participants (abroad): $249*

The participants will be provided with accommodation on the campus on a payment basis.

Fees are non-refundable.

Some limited number of scholarships for food and accommodation to be provided to PhD students having no fellowships/scholarships (proof letter from HoD/Dean/Registrar/Director is required).

Payment Details:

The payment link is to be shared to the shortlisted participants.

Deadlines

- Registration: 31 March 2025 (last date to apply)
- Fee payment: 05 April 2025 (After receiving confirmation email)

Apply: https://forms.gle/5bfzRnXdkxK2YpfX9

Resource Persons

	Dr. Pavel Chakraborty is an Associate Professor (Senior Lecturer) at the Department of Economics, Lancaster University. He finished his PhD at Graduate Institute (IHIED), Geneva in 2013. Upon completion, he was a postdoctoral fellow at the University of Oxford between 2013-2016. His research mainly focuses on the dynamics of firms in developing countries in relation to various issues regarding international trade, innovation, labour markets, and economic development.
	Dr. Pratap C. Mohanty is an Associate Professor of Economics at IIT Roorkee, with over 17 years of experience in teaching, research, and administration. He has previously taught at Delhi University, IIFT New Delhi, and IIM Indore. His research focuses on socio-economic issues in India, including healthcare and development, with a notable project on 'traditional medicine'. He also shares his expertise through popular NPTEL courses on 'Health Economics', 'Handling Large-scale Data with STATA', 'International Trade', and 'Exploring Survey Data on Healthcare'. He serves as an Academic Editor for BMC Public Health and has previously been with PLOS ONE.

Course Coordinator

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Contacts:

Hosted by: **AHEAD Lab**, IIT Roorkee.
Urmi Paul (PhD student, IIT Roorkee)
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