



MHRD, Govt. of India Sponsored
Global Initiative on Academic Network(GIAN) workshop
on
CURRENT GLOBAL ECONOMIC POLICIES: ISSUES
AND ANALYSIS IN INDIAN CONTEXT
21st to 31st December 2017
Number of participants limited to around forty



Government of India
Ministry of Human Resource
Development

Organized by Department of Humanities and Social Sciences, NIT Tiruchirappalli, Tamil Nadu



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1. Overview

Over the past couple of years, global economic policies in major countries in the world are undergoing enormous transformation. Countries that had long been champions of free trade have all of a sudden become proponents of extreme protectionism, with massive public support behind such radical policies. For example, UK (United Kingdom) has voted to leave the European Union, of which it was a founding member; the new US (United States) administration has backed out of the Trans Pacific Partnership (TPP), which was conceptualized and pushed for strongly by the US for the past half a decade. US has also tightened its immigration policies in a short period, quickly evolving from a land of immigrants to a land hostile to even potential visitors. China on the other hand has become a strong new proponent of free trade.

In such a rapidly changing world, India has been faced with multitude of policy options to either face the challenges arising out of these developments, or tap into the opportunities created by them. Since India was left out of TPP, it was

increasingly concerned about the ramifications from staying out of an integrated rest of the world. However, given the setback to TPP, India now can evolve as a global leader in trade policies, perhaps by being more proactive in the Regional Comprehensive Economic Partnership (RCEP) currently under negotiations.

In order to understand the complexities involved in these global transformations happening so quickly, it is important to perform thorough quantitative economic analysis. Tools such as applied econometrics and Computable General Equilibrium (CGE) are of vital importance in this area – even for the mainstream policy and business strategy discussions, not only for academic discourse. An article in the Economist recently points to the importance and limitations of CGE models for example, drawing upon some of the studies published by this author in the recent past in the area of international trade. Econometric analysis involves an ex-post study of past data to understand relationships between different variables, from a statistical viewpoint.

For global trade analysis, a popular tool is gravity model, which is inspired by the physical principles of gravity; firstly, the trade between two countries is inversely proportional to physical/economic/cultural or political distance between them; secondly, trade between two countries is directly proportional to the economic size of each of them. Regressions are usually run with trade at bilateral level, as a dependent variable and different measures of distance and economic size as the independent variables.

Computable General Equilibrium models capture the linkages between industries and countries across the world. These models capture the movement of different variables in response to a shock to the global supply chain economic system from one equilibrium to another. They are based on economic theories, interacting with comprehensive economic data that captures input-out tables, trade, production, consumption, tax/tariffs, policy variables, etc.

This proposed course addresses both the issues and methodologies relevant to the current changing landscape of global economic policies with special reference to Indian context. State of the art methodologies published in recent top economics journals will be covered in this course.

2. Objectives

The main objectives of this course are:

1. To educate the participants about the recent global economic policy developments.
2. To expose them to their implications for Indian policy-makers and business leaders.
3. To introduce them to state-of-the-art econometric and CGE models used to analyze global trade policies.
4. To help them practically use and apply these models for their research in these areas.

4. Who can attend?

The target audience for this course include MA/MSc/MBA and PhD level students in economics, public policy and management sciences, with strong quantitative background. We would also like to keep it open for experienced professionals who have a similar educational background, particularly those in the government, in ministries such as Commerce, Agriculture, Finance, etc., as well as other government bodies such as Competition Commission of India, etc.

5. Fees

The participation fees (Excluding Lodging & Boarding) for attending the course is as follows: Student participants: ₹ 1,000/-. Faculty ₹ 2,000/-, Persons from Industry/Consultancy firms: ₹ 5,000/-, Student participants from abroad: USD 100, Other participants from abroad: USD 200. The above fee includes all instructional materials, tutorials, assignments and internet facility. Fee does not include accommodation and food. On request, accommodation will be provided to the participants on payment basis on first come first serve .

6. How to Register

Stage-1: Web Registration visit GIAN Website: <http://www.gian.iitkgp.ac.in/GREGN/index> and create login user ID and Password. Fill up blank registration form and do web registration by paying ₹ 500/- on line through Net Banking/ Debit/ Credit Card. This provides the user with life time registration to enroll in any no. of GIAN courses offered.

Stage-2: Course Registration (Through GIAN Portal): Log in to the GIAN portal with the user ID and Password created. Click on “Course Registration” option given at the top of the registration form. Select the Course titled “**Current Global Economic Policies: Issues and Analysis in Indian Context**” from the list and click on “Save” option. Confirm your registration by Clicking on “Confirm Course”. Only Selected Candidates will be intimated through Email by the Course Coordinator. They have to remit the necessary course fee in the form of DD drawn in favour of “The Director, NIT, Tiruchirappalli – 620015” payable at NIT-Tiruchirappalli.

WORKSHOP SCHEDULE

DAY	SESSION 1	SESSION 2	TUTORIAL
DAY 1	Introduction to recent global economic developments (Dr.R.Murugesan)	Global economic policy issues relevant for India (Dr.R.Murugesan)	Discuss about specific instances of policies and how they affect Indian businesses and people. Present the discussions in different groups (Dr.R.Murugesan)
DAY 2	International Trade: Theoretical principles (Dr.R.Murugesan)	International Trade: practical applications (Dr.R.Murugesan)	Understand the current trade policies in the light of standard economic theories on international trade. Solve some basic problems on comparative advantage and trade. (Dr.R.Murugesan)
DAY 3	Gravity Modeling: Theoretical Principles and Application (Dr.Badri)	CGE Modeling: Introduction and practical applications (Dr.Badri)	Run gravity model regressions for specific policy issues. (Dr.Badri)
DAY 4	CGE Modeling: Accounting principles (Dr.Badri)	CGE Modeling: Underlying data (Dr.Badri)	Learn how to read GTAP (Global Trade Analysis Project) data. (Dr.Badri)
DAY 5	CGE Modeling: Introduction to different markets, supply, demand and prices (Dr.Badri)	CGE Modeling: Equilibrium and market-clearing (Dr.Badri)	Learn how to understand and modify GTAP (Global Trade Analysis Project) model. (Dr.Badri)
DAY 6	CGE Modeling: Behavioral equations and analysis (Dr.Badri)	CGE Modeling: Elasticities estimation and calibration (Dr.Badri)	Start working on a project to be presented on the final day – on using CGE for any of the global trade issues relevant for India. (Dr.Badri)
DAY 7	CGE Modeling: Advantages and Limitations (Dr.Badri)	CGE Modeling: Links to other models (Dr.Badri)	Continue working on a project to be presented on the final day – on using CGE for any of the global trade issues relevant for India. (Dr.Badri)
DAY 8	CGE Modeling: GEMPACK Software and its use (Dr.Badri)	CGE Modeling: Closure rules (Dr.Badri)	Continue working on a project to be presented on the final day – on using CGE for any of the global trade issues relevant for India. (Dr.Badri)
DAY 9	CGE Modeling: Combination of macro-economic and micro-economic aspects (Dr.Badri)	CGE Modeling: Dynamic modeling (Dr.Badri)	Continue working on a project to be presented on the final day – on using CGE for any of the global trade issues relevant for India. (Dr.Badri)
DAY 10	CGE Modeling: Welfare analysis (Dr.Badri)	CGE Modeling: How to develop new models based on existing ones (Dr.Badri)	Present the results of the project in groups. This will be an oral examination as part of the project presentation. (Dr.Badri)

Resource Persons

Dr. Badri Narayanan Gopalakrishnan



Dr. Badri Narayanan is an economist with University of Washington-Seattle and McKinsey Global Institute. He also co-founded an international firm that focuses on economic model consulting, namely, Infinite-Sum Modeling Inc., with offices in Canada, USA and China. His broad expertise lies in international trade policy analysis in relation to agricultural, industrial, labor, energy/environmental and health issues, both from economic and inter-disciplinary perspectives, employing a variety of quantitative models. He has published three books, over 50 research papers in reputed journals, books and other outlets and presented his research in several countries across the world. Apart from top scholarly journals including Nature and American Economic Review, his research has been cited in popular magazines such as The Economist and several news outlets.

He has been an independent consultant with several organizations including the World Bank, Food and Agricultural Organization, World Health Organization, European Commission, World Resources Institute, International Trade Center, United Nations Economic Commission for West Asia, KPMG, London School of Economics Enterprise, Woodrow Wilson International Center for Scholars, International Agricultural Trade Research Consortium, the Commonwealth of Nations, Price Water House Coopers, Harvard University, Bournemouth University, Indian Institute of Foreign Trade and the governments of India, the United States, Finland, Turkey and others. He was a board member of Young Professionals Chronic Diseases Network, which was based out of Harvard University. Currently, he is on the board of Governments Integration through FTAs (GIFTA) project, UK. He is also an Advisor, ARTNet, United Nations ESCAP, Bangkok and a Fellow, SANEM, Dhaka. He has been honored with the title of GTAP Research Fellow in 2017.

Dr. R. Murugesan



Dr.R.Murugesan is an Associate Professor in the Department of Humanities and Social Sciences, NIT Trichy. He has been seconded to Asian Institute of Technology (AIT), Bangkok by Ministry of Human Resource Development (MHRD), Government of India. He is currently involved in several sponsored research projects of Government of India. He is the recipient of an award for having top 3 sponsored research projects at NIT, Trichy for the annual year 2016-2017. He has published several articles in journals published by Elsevier, Sage and Emerald Insights. He has been a visiting faculty at many engineering colleges in South India. His expertise lies in the areas of Applied Economics, Econometrics and Entrepreneurship. His research interests are in the areas of Entrepreneurship, International Economics and Environmental Economics.