



**CENTRE FOR DEVELOPMENT ECONOMICS**

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**DELHI SCHOOL OF ECONOMICS**

**The Seventeenth Annual Report**

**AUGUST 2010**

**CENTRE FOR DEVELOPMENT ECONOMICS  
DELHI SCHOOL OF ECONOMICS  
UNIVERSITY OF DELHI  
DELHI 110007**

## CONTENTS

Page	Nos.
Introduction	4
Activities During 2009 – 10	9
Research Projects	12
Seminars	19
Research Publications of the Members	21
Papers presented at Conferences/ Seminars by the Members	27
Lectures/talks presented by the Members	31
Honours received by the Members	33
Working Papers	34
Computing Facilities	35
Office Staff	35

## INTRODUCTION

The Centre for Development Economics (CDE) was set up with a generous grant from the Ministry of Finance, Government of India as a research adjunct at the Delhi School of Economics (Department of Economics) to provide better research facilities to the faculty and the students of the Department of Economics. It is a non-profit organization that supports research in all areas of Economics. It came into existence in August 1992 and began effectively functioning from early 1993, with the full range of activities picking up only in late 1993 after it received its grants from the Government of India and the Ford Foundation.

## AIMS

- To promote and disseminate research;
- To sponsor economists from all over India and abroad to visit to Delhi School of Economics;
- To conduct regular conferences and workshops;
- To upgrade research infrastructure, including communication and computing facilities.

## THE COUNCIL

- **Santosh C. Panda**  
*Executive Director*
- **Uday Bhanu Sinha**  
*Secretary*
- **B. L. Pandit**  
*Member*
- **Aditya Bhattacharjea**  
*Member*
- **Parikshit Ghosh**  
*Member*
- **Sunil Kanwar**  
*Managing Director*
- **Ram Singh**  
*Treasurer*
- **Pami Dua**  
*Member*
- **Ashwini Deshpande**  
*Member*

## ADVISORS

- **Kaushik Basu**  
C. Marks Professor of International Studies, and Professor of Economics, Cornell University and, Padma Bhushan, Currently, Chief Economic Adviser to the Ministry of Finance, Govt. of India
- **Bimal Jalan**  
Ex-Governor, Reserve Bank of India and Member of Parliament (Rajya Sabha)
- **Joseph E. Stiglitz**  
Professor of Economics, Columbia University, Former Senior President & Chief The World Bank and, Nobel Laureate in Economics
- **Kenneth J. Arrow**  
Professor of Economics (Emeritus) Stanford University and Nobel Laureate in Economics
- **Mrinal Datta Chaudhuri**  
Former Professor of Economics and Ex-Director, Delhi School of Economics
- **Amartya Sen**  
Thomas W. Lamont University Professor and Professor of Economics & Philosophy, Harvard University, Cambridge, and, Economist, Nobel Laureate in Economics and Bharat Ratna.

## THE GOVERNING COUNCIL OF THE ENDOWMENT FUND

The Office Bearers of the Centre for Development Economics and the Head of the Department of Economics together with Chief Economic Advisor of the Ministry of Finance, Government of India, constitute the Governing Council of the Endowment Fund.

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## CONFERENCES, WORKSHOPS & SEMINARS

One of the important features of the Centre since its inception has been to engage in continuous dialogue with economists all over the world through regular Seminars, Conferences and Workshops covering a wide range of economic issues.

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## PUBLICATIONS

The Centre regularly publishes working and occasional papers of the faculty members of the department of economics and visiting fellows, honorary professors and research scholars who visit it. The publications of the Centre are currently being exchanged with about thirty research institutes in India and abroad.

The CDE continues to substantially facilitate the research conducted by its members. The current faculty of the Delhi School of Economics ranks first among economics institutions in India in research output, ahead of the Indian Statistical Institute, Delhi (ranked 2), Indian Statistical Institute, Kolkata (3), Centre for Studies in Social Sciences, Kolkata (3), NIPFP (5), RBI, Mumbai (6), IGIDR, Mumbai (7), CESP, Jawaharlal Nehru University (8), ICRIER (16), Centre for Development Studies, Trivandrum (12), Institute of Economic Growth, Delhi (17) and NCAER (15).

A comprehensive set of rankings is maintained by RePEc (<http://ideas.repec.org/top/top.india.html#authors>).

Working papers by the faculty members are listed on the Centre's website <http://www.cdeds.org> from where recent papers can be downloaded.

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## RESEARCH PROJECTS

The Centre also houses research projects. Currently five research projects are being housed in the Centre.

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## LIBRARY

The Centre maintains a mini library, which consists of specialized research resources including collection of published material and data sources related to economic research.

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## VISITORS & FELLOWS

The Centre from time to time entertains visitors and appoints fellows. During the year Dr. Sanjay Banerji (University of Essex, U.K.) was a visiting fellow at the Centre.

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## TRAINING

The Centre has organized some short-term refresher courses and exposure programs on request from the Government of India.

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## FINANCE & ACCOUNTS

### *Finance & Accounts*

: **Jayaraman & Co.**  
**Chartered Accountants**  
V. K. Krishna Menon Bhawan  
9, Bhagwandass Road  
New Delhi 110001

### *Auditors*

: **Khanna & Annadhanam**  
**Chartered Accountants**  
3/7B, Second Floor,  
Asaf Ali Road,  
New Delhi 110002

## ACTIVITIES DURING 2009 – 2010

### WINTER SCHOOL 2009

The Centre for Development Economics organized an international workshop, called **Winter School 2009**, during December 11 to 14, 2009. The workshop consisted of two parts. The first part consisted of a series of expository lectures by invited eminent economists on their fields of research expertise. The second part consisted of short presentations of current research papers by scholars from India and abroad.

**Professor Charles Manski** of Northwestern University delivered a series of lectures on econometric theory, entitled '*Identification for Prediction and Decision*'. **Professor William Thomson** of Rochester University delivered a series of lectures on cooperative game theory, entitled '*Adjudication of Conflicting Claims*'. In addition to these lectures, short research talks were given by scholars from Centre de Sciences Humaines (New Delhi), Dartmouth College (Hanover, USA), Delhi School of Economics, Institute of Financial Management and Research (Chennai), Indian Statistical Institute (Delhi), Indian Statistical Institute (Kolkata), Indira Gandhi Institute of Development Research (Mumbai), International Monetary Fund, National University of Singapore and Universit'e Paris I Sorbonne.

The Winter School was extremely well-attended. Apart from the students and faculty of the Department of Economics, Delhi School of Economics, students and faculty from various other institutions in Delhi also attended the sessions and participated in the discussions.

The Centre for Development Economics would like to express its gratitude to NABARD and ICSSR, New Delhi, for their generous support to the Winter School.

### LECTURE SERIES BY PROFESSOR DEBRAJ RAY

The Centre hosted a special series of three lectures by Professor Debraj Ray on "*Distribution and Development*" between March 22 and 23,

2010. Professor Ray is Julius Silber Professor of Economics at New York University, and the author of numerous academic papers and books, including *Development Economics*, the leading textbook on economic development used in undergraduate curricula all over the world. The lecture series was sponsored by a special grant from the University of Delhi, and attracted students and scholars from within Delhi University as well as outside.

### INTERNATIONAL CONFERENCE ON 'SOCIAL CONFLICT'

On April 9-10, 2010, the Centre hosted an Interdisciplinary Conference on 'Social Conflict' jointly with the Centre of Equality, Social Organization and Performance (ESOP) at the University of Oslo. It attracted scholars from economics, sociology and political science, and from several prominent universities and research institutions including New York University, Yale, University of Oslo, Jawaharlal Nehru University, University of Delhi and the Institute for Economic Growth. Speakers discussed both theoretical issues and case studies on conflict from a multi-disciplinary perspective. The conference was jointly funded by University of Delhi and ESOP.

### REFRESHER TRAINING PROGRAMME FOR ISS OFFICERS AND SENIOR OFFICERS OF STATE GOVTS. & UTs

The Centre organized a refresher training course based on "*Recent Developments in Index Numbers*" during February 1 – 5, 2010, for in-service ISS Officers and Senior Officers of the State Govts. / UT's, nominated by the National Academy of Statistical Administration (NASA), Central Statistics Organization (CSO), Ministry of Statistics & Programme Implementation, Government of India.

Professor Suresh D. Tendulkar, *Former Faculty Member & Director, Delhi School of Economics and Ex-Chairman of the Council of Economic Advisers to the Prime Minister*, delivered the inauguration lecture, while Professor Amitabh Kundu, *Faculty at the Centre for the Study of Regional Development, School of Social Sciences, JNU and Member, National Statistical Commission, Government of India*, delivered the valedictory lecture to the participants.

## KRISHNA RAJ SUMMER PROGRAMME 2009

Two field surveys were conducted by the M.A. (Economics) students of the Delhi School of Economics during the summer vacations of 2009.

The first study entitled “A Comparative Study Assessing the Quality of Public Health Facilities and Health Practices of the Households Across Two Indian Villages” (under the supervision of Aditya Bhattacharjea) compared health facilities in a village in Uttarakhand with those found in a village in Madhya Pradesh. Through semi-structured interviews of households, and triangulation of information by speaking with key informants, the students find that the access to and quality of public health facilities at the local level (primary health centre) to be lacking, and this being the main reason for the demands placed on the district hospitals, in both states. Also the anganwadi centres did not function well. The students conclude that physical distance is also a major determinant of the utilization of public health services.

The second study entitled “An Analysis of Health Seeking Behaviour, Health Decision Making and Health Attitudes of Individuals” (under the supervision of J. V. Meenakshi) focused on two districts of Bihar and concludes that there are gender differences in whether perceived health needs are met; with more women perceiving unmet needs than men. Affordability, distance to the health care facility, a belief that the problem would go away, and self-medication were all major factors underlying the unmet needs for women. There is a dependence on private sector health care services (although there is no quality assurance); however women and poorer people tend to rely on the public sector more.

## KRISHNA RAJ SUMMER PROGRAMME 2010

Under the Krishna Raj Summer Programme, fellowships were granted to nine groups of students of M.A. (Economics & Sociology) of the Delhi School of Economics, for conducting field surveys under the supervision of Aditya Bhattacharjea, Ashwini Deshpande, J. V. Meenakshi and Anirban Kar, during May and June 2010. The detailed reports on these surveys will be provided in next year's annual report.

## RESEARCH PROJECTS 2009-10

### INTERNATIONAL ECONOMETRIC INDIA LINK MODEL

*(Forecasts are developed as part of World Project LINK.)*

Project Coordinators : Pami Dua and N.R. Bhanumurthy  
Research Associates : Lokendra Kumawat and Deepika Goel  
Advisers : K. Krishnamurty and V. Pandit

**The following activities were undertaken during the year 2009-10:**

- Updation and reformulation of the model using higher frequency data (quarterly).
- Report on **INDIA LINK Macroeconomic Outlook for 2009-10 & 2010-11**, October 2009.
- Report on **INDIA LINK Macroeconomic Outlook for 2010-11**, June 2010.
- Publication of Outlook and Mid-Year Review: **INDIA LINK: Economic Outlook 2009-10 to 2010-11**, October 2009.
- Presentation of forecasts in the World Project LINK International Meeting held at UNESCAP, Bangkok in October 2009.
- Presentation of paper entitled “Synchronization of Recessions in Major Developed and Emerging Economies” by Pami Dua at the World Project LINK International Meeting held at UNESCAP, Bangkok in October 2009.

### A STUDY OF APPROPRIATE TAX AND REGULATORY POLICIES FOR THE USE OF PLASTIC BAGS IN DELHI.

Principal Investigators : Kanupriya Gupta & Rohini Somanathan  
Funded by : SANDEE, Kathmandu, Nepal

Plastic bags and packaging materials are a significant component of solid waste in most countries. In recent years, many countries have attempted to limit the use of plastic bags through interventions which operate at the level of the retailer and consumer. These include the mandatory pricing of plastic bags, explicit levies on each bag, subsidies



on current or future purchases, awareness campaigns and in some cases total bans on their use. There is no systematic evidence on the effectiveness of these policies in poor countries. Our project is designed to fill this gap. We examine the effects of both price and non-price incentives on the use of plastic bags in the Delhi metropolitan area.

We collected data from repeated surveys in 4 neighborhoods in Delhi and 1 in Ghaziabad. Our sample consists of 180 shops selling either groceries or fruits and vegetables. We distinguish between Delhi and non-Delhi areas because, in January 2009, the Government of Delhi introduced a wide-ranging ban on the use of plastic bags in market places. The ban is poorly implemented, but we would nevertheless expect consumer behavior to differ within the area covered by the ban. The study is designed as a field experiment with three types of treatments:

1. Information- Posters providing information on the effects of plastic bags.
2. Cash-Subsidies of 1% or 2% on the value of purchases for consumers not using a retailer provided plastic bag
3. Availability of cloth bags- cloth bags were stocked in the shops for purchase at cost price of Rs15.

In each neighbourhood, we introduced these interventions sequentially in each shop with a gap of two weeks between each intervention.

We hope that our results will point to the policies that can effectively reduce plastic waste in urban India. Although the study consists of subsidies offered by retailers, it can provide estimates of the price elasticity of demand for plastic bag. These can then be used to formulate appropriate tax policies.

### THE IMPACT OF SCHOOL MEALS ON ATTENDANCE, LEARNING AND HEALTH OUTCOMES IN DELHI.

*Principal Investigator* : **Rohini Somanathan**

*Funded by* : **Directorate of Education, Mid Day-Meal Cell, Govt. of NCT of Delhi**

The project examined the impact of school meals on school participation and learning outcomes for upper-primary classes. The Government of Delhi introduced mid-day meals in Classes VI- VIII from September 2009. This scheme was already in place for primary classes since 2003. In order to evaluate the impact of the meals on the upper-primary classes, we randomly selected 32 schools from all districts of Delhi and conducted a baseline survey before the introduction of the meals and then re-surveyed these schools after the meal program was implemented. We gave students simple tests to measure their level of concentration. We also collected anthropometric data on each student tests and obtained attendance records. We found were able to complete harder puzzles after the meal and we also found significant gains in measures of body size after the introduction of the meals. The project report was submitted to the Directorate of Education on April 1, 2010.

**ASIA-PACIFIC DISPUTE RESOLUTION PROGRAM – UNDERSTANDING INTEGRATED COMPLIANCE WITH INTERNATIONAL TRADE AND HUMAN RIGHTS STANDARDS IN COMPARATIVE PERSPECTIVE OF THE SOCIAL SCIENCES AND HUMANITIES RESEARCH COUNCIL OF CANADA (SSHRC).**

*Funded by* : **The University of British Columbia, Vancouver, Canada**

This project encompasses five individual/team projects. Following is the progress report up to July 2010.

1. **Ashok Kotwal (The University of British Columbia), Bharat Ramaswami (Indian Statistical Institute, Delhi) and Wilima Wadhwa (Indian Statistical Institute, Delhi)**

This team worked on a paper entitled “*Economic Liberalization and Indian Economic Growth: What is the Evidence?*”. This paper takes stock of what we know about the impact of economic liberalization on growth as well as on poverty. The paper has gone through extensive revisions and has now been accepted by the 'Journal of Economic Literature'.

## 2. Milind Murugkar (Pragati Abhiyan, Nashik)

This project is primarily focused on exploring the alternatives to the Public Distribution System. As a part of exploring these alternatives, Milind spent time in New York, meeting with civil society groups and food stamp recipients to understand the functioning of the food stamp system in the USA. During the last year, he has documented and analysed these interviews, which will form the basis of future work. He is also studying the evolution of a pilot project of cash transfers as an alternative to PDS, implemented by the Delhi government.

Another issue being explored is that of the controversy surrounding genetically modified organisms (GMOs) and their relationship to food security. Milind spent some time in London meeting civil society groups opposed to GMOs, as well as some academics working on the issue.

## 3. Bharat Ramaswami (Indian Statistical Institute, Delhi)

The study quantifies the gain to the poor from an additional unit of public spending on food subsidies. It is defined as the product of the participation rate of the poor and their share in the total cost of food subsidies. Nationally representative household expenditure data together with administrative data on costs and subsidized food supplies is used to compute these figures. The paper finds that for every rupee spent by the government, the expected income impact on the poor is less than Rs. 0.05. Part of the explanation for this low impact lies in the fact that the participation rate of the poor is low. The other part of the explanation lies in the fact that the share of the poor in food subsidy spending is only of the order of 10%. The reason why the poor receive such small shares is not just bad targeting; it is also because of program waste (due to fraud and excess costs). Such waste accounts for as much as 71% of the total spending.

## 4. Ashwini Kulkarni (Pragati Abhiyan, Nashik)

The project aims to assess the implementation of the NREGA by focusing on one state, viz., Andhra Pradesh. The exploration so far finds that labourers get the works started in their villages in time, get paid in time and get benefits, as per law. We also find widespread use of information technology such that it ensures transparency. We find that

in many public works, public-private partnership has been used to ensure timely wage payments to the workers, minimizing leakages. There is also a grievance redressal mechanism, where the workers can lodge complaints and give feedback. This analysis is based on visits to work sites, to government offices and civil society organizations, as well as discussions with academics working on these issues.

## 5. Ashwini Deshpande (Delhi School of Economics)

A keenly debated issue in the context of caste disparities in contemporary India is how exactly they are changing as the Indian economy globalises and liberalises. One view is that globalization, specifically captured by FDI and entry of MNCs, is likely to reduce inter-caste disparities by providing new employment opportunities and sources of upward mobility, hitherto unavailable to traditionally marginalized groups such as the Dalits. The project seeks to analyse whether, and to what extent, this view is valid, or is it the case that globalization is actually exacerbating pre-existing disparities by reinforcing traditional hierarchies. In order to explore this, the project starts with a review of international experiences of the impact of globalization on domestic group disparities. It then builds an all-India profile of FDI in the last two decades – its total magnitude, employment created, by state, by sector, and wherever possible, by district or region within a state. This employment generation (employment elasticity) is compared with domestic private industries and the public sector. This is being followed up by a causal analysis of the relationship between measures of caste disparities and FDI (work in progress).

**THE DUTCH FACTORIES IN INDIA, VOLUME III, 1628 – 1630: A COLLECTION OF DUTCH EAST INDIA COMPANY DOCUMENTS PERTAINING TO INDIA.**

*Principal Investigator* : **Om Prakash**

*Funded by* : **Indian Council of Historical Research (ICHR), New Delhi**

The aforementioned project was sanctioned vide ICHR letter number 1-33/2009-ICHR (GIA-III) RP dated 23 November 2009. The project was formally started on 1 December 2009.



The records of the Dutch East India Company are recognized to be a major source material on Indian history for the seventeenth and the eighteenth centuries. The Company, established in 1602, was the biggest trading entity of its time. It engaged in extensive trading operations in India for nearly two hundred years. The letters, reports and other documents available in the Company's archives contain an enormous amount of details on a variety of subjects. While commercial and economic matters arising out of the Company's own trade in the subcontinent as well as that of its rivals, including the Indian merchants, figure prominently in its documentation, these are not the only concerns of these records. Political, social, religious, and other matters are often found to have been discussed extensively in these documents. A particular strength of these records is the solid quantitative data they contain on a large number of variables.

The work done so far on the project relates to a part of the year 1628. Note that as in the earlier volumes in the series (Vol. I covered the years 1617 to 1623 and Vol. II 1624 to 1627), each document has had to be translated from the original seventeenth century Dutch version into English. The documents were then edited and footnoted.

## SEMINARS

The following seminars were organized by the Centre during 2009 – 10:

Date	Speaker	Topic
September 10, 2009	<b>Pami Dua</b> Delhi School of Economics	Synchronization of Recessions in Major Developed and Emerging Countries
September 17, 2009	<b>T. C. A. Anant &amp; Ram Singh</b> Delhi School of Economics	Distribution of Highways Public Private Partnerships in India: Key Determinants
September 24, 2009	<b>Guilhem Cassan</b> Paris School of Economics and LEA-INRA	British Law and Caste Identity Manipulation in Colonial India: The Punjab Alienation of Land Act
October 22, 2009	<b>Ramgopal Agarwala</b> Research and Information System for Developing Countries, New Delhi	On Managing Risks Facing the Indian Economy: Towards a Better Balance Between Public and Private Sectors
October 28, 2009	<b>Shasikanta Nandeibam</b> University of Bath, U.K.	On Randomized Rationality
October 29, 2010	<b>Jean-Marie Baland</b> University of Namur, Belgium	The Distributional Implications of Group Lending
November 12, 2009	<b>Peter Lanjouw</b> The World Bank, Washington D.C.	Revisiting Between Group Inequality Measurement: An Application to the Dynamics of Caste Inequality in Two Indian Villages
December 3, 2009	<b>Gurbachan Singh</b> Jawaharlal Nehru University	Banking Crisis and Liquidity: A Perspective
December 24, 2009	<b>Jean-Philippe Platteau</b> University of Namur, Belgium	Transformation of the Family under Rising Land Pressure: A Theoretical Essay
January 14, 2010	<b>Neha Khanna</b> Binghamton University	Income Inequality and Consumer Behavior: A Model of Conspicuous Consumption
January 15, 2010	<b>Timothy Daiton</b> Kansas State University, Manhattan	Active Learning Education and Soil Conservation in Asian Cassava Systems
January 28, 2010	<b>Sudhir A. Shah</b> Delhi School of Economics	Comparative Riskiness of Random Vector Outcomes
February 4, 2010	<b>Arup Sen</b> Boston University	Moral Hazard in Long-term Guaranteed Contracts: Theory and Evidence from the NBA
February 18, 2010	<b>Yukinobu Kitamura</b> Hitotsubashi University, Tokyo	How to Make the Japanese Public Pension System Reliable and Workable
February 19, 2010	<b>Anmol Rattan</b> University of Maryland	Reference-Dependent Preferences in First Price Auctions

Date	Speaker	Topic
February 25, 2010	<b>Reetika Khara</b> Delhi School of Economics	BPL Census: A Possible Alternative
March 4, 2010	<b>V. Bhaskar</b> University College London	Sex Selection and Gender Balance
March 11, 2010	<b>Manimay Sengupta</b> Indian School of Business and Finance, Delhi	How Long is the Spell that the Poor are Poor: The Time Dimension in the Measurement of Poverty
March 19, 2010	<b>S. Subramanian</b> Madras Institute of Development Studies, Chennai	A Chakravarty-D'Ambrosio View of Multidimensional Deprivation
March 26, 2010	<b>Suchismita Tarafdar</b> Arizona State University	Optimization in Economies with Nonconvexities
April 1, 2010	<b>Sonalde Desai</b> NCAER, New Delhi & University of Maryland	Educational Inequalities: Reservations and Beyond
April 8, 2010	<b>Saptarshi Mukherjee</b> Jawaharlal Nehru University	Choice in Tree-based Decision Problems
April 15, 2010	<b>Sanjay Banerji</b> University of Essex, U.K.	Collusion and Incentives: The Role of Expertise in Corporate Reorganization
April 22, 2010	<b>Radek Stefanski</b> University of Oxford	Structural Transformation and the Oil Price
July 20, 2010	<b>Alok Bhargava</b> University of Houston	Executive Compensation, Share Repurchases and Investment Expenditures: Econometric Evidence from U.S. Firms
July 22, 2010	<b>Sushanta Mallick</b> Queen Mary, University of London	Pricing-to-Market with Trade Liberalization: The Role of Market Heterogeneity and Product Differentiation in India's Exports
July 23, 2010	<b>Tanika Chakraborty</b> DIW, Berlin	Mother's Decision-making and Child Welfare in Mexico: A New Measure and Some New Evidence
July 29, 2010	<b>Pushkar Maitra</b> Monash University, Victoria, Australia	Social Exclusion in a Laboratory Microfinance Experiment
August 8, 2010	<b>Emmanuel Dechenaux</b> Kent State University	Preemptive Corruption, Hold-Up and Repeated Interactions
August 12, 2010	<b>Saurabh Singhai</b> University of Southern California	The Economic Costs of Naxalite Violence and the Economic Benefits of a Unique Robust Security Response
August 13, 2010	<b>Rajiv Sethi</b> Columbia University	Economic Consequences of Speculative Side Bets: The Case of Naked Credit Defaults Swaps

## RESEARCH PUBLICATIONS OF THE MEMBERS 2009 – 10

The CDE continues to substantially facilitate the research conducted by its members. The current faculty of the Delhi School of Economics ranks first among economics institutions in India in research output, ahead of the Indian Statistical Institute, Delhi (ranked 2), Indian Statistical Institute, Kolkata (3), Centre for Studies in Social Sciences, Kolkata (3), NIPFP (5), RBI, Mumbai (6), IGIDR, Mumbai (7), CESP, Jawaharlal Nehru University (8), ICRIER (16), Centre for Development Studies, Trivandrum (12), Institute of Economic Growth, Delhi (17) and NCAER (15). A comprehensive set of rankings is maintained by RePEc (<http://ideas.repec.org/top/top.india.html#authors>).

### FARZANA AFRIDI

"Women's Empowerment and the Goal of Parity Between the Sexes in Schooling in India", *Population Studies*, Vol. 64, No. 2, July 2010, pp.131-145. (Previous title: 'Women's Empowerment and the Gender Gap in Schooling in India').

"Child Welfare Programs and Child Nutrition: Evidence from a Mandated School Meal Program", *Journal of Development Economics*, Vol. 92, No. 2, July 2010, pp.152-165.

"The Impact of School Meals on School Participation in Rural India", *Journal of Development Studies*, 2010, forthcoming.

### A. BANERJI

"Local Network Externalities and Market Segmentation" (with Bhaskar Dutta), *International Journal of Industrial Organization*, Vol. 27, No.5, September 2009.

"Groundwater Markets, Irrigation Efficiency and Sustainability" (with Gauri Khanna and J. V. Meenakshi), in Sucha Singh Gill, Lakhwinder Singh and Reena Marwah (eds.), *Economic and Environmental Sustainability of Asian Economic Development*, Routledge India, July 2010.

### ADITYA BHATTACHARJEA

"Of Omissions and Commissions: India's Competition Laws", *Economic and Political Weekly*, Vol. 45, No. 35, August 28, 2010.

"International Cartels and Spheres of Influence", in K. G. Dastidar, H. Mukhopadhyay, and U. B. Sinha (eds.), *Dimensions of Economic Theory and Policy: Essays for Anjan Mukherji*, Oxford University Press, New Delhi, forthcoming

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### MAUSUMI DAS

"Economic Growth and the Quality of Teachers in a Public Education System" (with Subrata Guha), in K. G. Dastidar, H. Mukhopadhyay, and U. B. Sinha (eds.), *Dimensions of Economic Theory and Policy: Essays for Anjan Mukherji*, Oxford University Press, New Delhi, forthcoming.

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### ASHWINI DESHPANDE

"*Capital Without Borders: Challenges to Development*" (edited volume), Anthem Press, London, 2010.

"Merit, Mobility and Modernism: Caste Discrimination in Contemporary Urban Labour Markets in India", *Indian Journal of Labour Economics*, forthcoming.

"Who is Eligible: Should Affirmative Action Be Class or Group-Based?" (with William Darity, Jr. and Thomas Weisskopf), *American Journal of Economics and Sociology*, forthcoming.

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### PAMI DUA

"Synchronization of Recessions in Major Developed and Emerging Economies" (with Anirvan Banerji), *Margin – The Journal of Applied Economic Research*, Vol.4, No.2, May 2010, pp.197-223.

"Determination of Inflation in an Open Economy Phillips Curve Framework: The Case of Developed and Developing Asian Countries" (with Upasna Gaur), *Macroeconomics and Finance in Emerging Market Economies*, Vol.3, No.1, 2010, pp.33-51.

"Exchange Rate Policy and Modelling in India" (with Rajiv Ranjan), *Development Research Group Study No. 33*, Reserve Bank of India, Mumbai, January 2010.

Monthly Article on 'Forecasting and Tracking the Indian Economy Using DSE-ECRI Leading and Coincident Indexes' (with Anirvan Banerji), *Business Cycle Monitor*, ICICI Bank.

"Determinants of Weekly Yields on Government Securities in India," (with Nishita Raje), in B. Kamaiah and S.V. Seshaiyah (eds.), *Selected Issues in Macroeconomics: A Quantitative Approach*, ICFAI Press, forthcoming.

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### ANIRBAN KAR

"On Obligation Rules for Minimum Cost Spanning Tree Problems" (with Gustavo Bergantinos), *Games and Economic Behavior*, Vol. 69, No. 2, July 2010, pp. 224-237.

"Allocation via Reduction on Minimum Cost Spanning Tree Games" in Banasri Basu, Bikas K. Chakrabarti, Satya R. Chakravarty and Kausik Gangopadhyay (eds.), *Econophysics and Economics of Games, Social Choices and Quantitative Techniques*, New Economic Window Series, Springer Verlag Italia, Milan, 2010.

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### J. V. MEENAKSHI

"Cost-Effectiveness of Biofortification", Best Practice Paper, Copenhagen Consensus Centre, 2009.

"How Cost-Effective is Biofortification in Combating Micronutrient Malnutrition? An Ex ante Assessment" (with Nancy L. Johnson, Victor M. Manyong, Hugo DeGroot, Josyline Javelosa, David R. Yanggen, Firdousi Naher, Carolina Gonzalez, James Garcia and Erika Meng), *World Development*, Vol.38, No.1, January 2010, pp. 64-75.

"Groundwater Markets, Irrigation Efficiency and Sustainability" (with A. Banerji and Gauri Khanna), in Sucha Singh Gill, Lakhwinder Singh and Reena Marwah (eds.), *Economic and Environmental Sustainability of Asian Economic Development*, Routledge India, July 2010.

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### PULIN B. NAYAK

"*India's Economy and Growth: Essays in Honour of V.K.R.V. Rao*" (edited book), (with Bishwanath Goldar and Pradeep Agrawal), Sage Publishers, New Delhi, 2010.

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**SANTOSH C. PANDA**

"India's Growth Story: Challenges and Prospects", *International Journal of Economic Policy Studies*, Vol. 4, 2009.

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**V. PANDIT**

"Technological Change and Factor Substitution in Indian Agriculture" (with Harish Mani, G. Bhalachandran, C. H .Shah) in Jagannath Lenka (ed.), *Current Issues in Indian Agriculture*, Serials Publications, New Delhi, 2010.

"Policy Reforms and Stability of the Money Demand Function in India" (with Muralikrishna Bharadwaj B.), *Margin - The Journal of Applied Economic Research*, Vol. 4, No. 1, January 2010, pp. 25 – 47.

"Inferences in Longitudinal Mixed Models for Survey Data" (with Sutradhar Brajendra, R. Prabhakaran Rao), *The Indian Journal of Agricultural Statistics (special volume)*, forthcoming.

"GMM versus GQL Inferences in Semi-Parametric Linear Dynamic Mixed Models" (with Sutradhar Brajendra, R. Prabhakaran Rao), *The Brazilian Journal of Probability and Statistics*, forthcoming.

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**OM PRAKASH**

"The New State in the Indian Ocean After the Arrival of the Dutch and the English", *Proceedings of the International Turkish Sea Power History Symposium*, Istanbul, 2009, pp. 21-27.

"Indian Textiles in the Indian Ocean Trade in the Early Modern Period" in Prasannan Parthasarathi and Giorgio Riello (ed.), *The Spinning World: A Global History of Cotton Textiles, 1200-1850*, Oxford University Press, Clarendon, 2009.

"From Market-determined to Coercion-based: Textile Manufacturing and Procurement in Bengal in the Eighteenth Century" in Tirthankar Roy et al (ed.), *How India Clothed the World: The World of South Asian Textiles, 1500-1850*, Brill, Leiden, 2009.

"Some Reflections on the Portuguese in the Indian Ocean Trade" in Joao Paulo Oliveira e Costa and Vitor Luis Gaspar Rodrigues (eds.) *O Estado*

*India eos Desafios Europeus, Actas do XII Seminario Internacional de Historia Indo-Portuguesa*, Lisbon 2010, pp. 277-280.

Entry on "The Dutch East India Company", *The Oxford Encyclopaedia of the Modern World*, forthcoming.

Entry on "First European Interventions in India", *The World and its People Encyclopedia*, forthcoming.

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**SUDHIR A. SHAH**

"A Noncooperative Quantity-Rationing Theory of Transboundary Pollution", *Journal of Public Economic Theory*, Vol. 12, No. 3, May 2010, pp. 437–470.

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**RAM SINGH**

"Comparative Vigilance" (with Allan Feldman, Brown University), *American Law and Economics Review*, Vol.11, No.1, 2009, pp. 134-161.

"A High-handed Approach to National Highways", *Economic and Political Weekly*, Vol. 45 No. 8, February 20 – 26, 2010, pp. 19–21.

"Delays and Cost Overruns in Infrastructure Projects in India: Extents, Causes and Remedies" (special article), *Economic and Political Weekly*, Vol. 45, No. 21, 2010, pp. 43 - 54.

"The Efficiency of Comparative Causation" (with Francesco Parisi, University of Minnesota), *Review of Law and Economics*, forthcoming.

"Determinants of Cost Overruns in Public Procurement of Infrastructure: Roads and Railways", *India Policy Forum*, forthcoming.

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**UDAY BHANU SINHA**

"Attitude to Schooling, Wage Premium and Child Labour" (with Diganta Mukherjee), *Indian Growth and Development Review*, Vol. 2, No. 2, 2009, pp.113-125.

"Strategic Licensing, Exports, FDI and Host Country Welfare", *Oxford Economic Papers*, Vol. 62, No. 2, January 2010, pp.114 – 131.

"Patent Licensing from a High-Cost Firm to a Low-Cost Firm" (with Sougata Poddar), *Economic Record*, forthcoming.

"Dimensions of Economic Theory and Policy: Essays for Anjan Mukherji", Edited Volume (with K. G. Dastidar and H. Mukhopadhyay), Oxford University Press, New Delhi, forthcoming.

"Price Competition in a Mixed Duopoly" (with K. G. Dastidar) in K. G. Dastidar, H. Mukhopadhyay, and U. B. Sinha (eds.), *Dimensions of Economic Theory and Policy: Essays for Anjan Mukherji*, Oxford University Press, New Delhi, forthcoming.

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#### ROHINI SOMANATHAN

"Climate Change: Challenges Facing India's Poor" (with E. Somanathan), *Economic and Political Weekly*, Vol. 44, No. 31, August 1 - 7, 2009, pp. 51 – 58.

"Mapping Indian Districts across Census Years, 1971-2001" (with Hemanshu Kumar), *Economic and Political Weekly*, Vol. 44, No. 41, October 10 – 23, 2009.

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#### K. SUNDARAM

"Poverty Decline in India in the 1990s: A Reality and Not an Artifact" (with Suresh D. Tendulkar) in Sudhir Anand, Paul Segal and Joseph E. Stiglitz (eds.), *Debates on the Measurement of Global Poverty*, Oxford University Press, USA, February 2010, pp. 341-372.

## PAPERS PRESENTED AT SEMINARS/CONFERENCES IN INDIA/ABROAD BY THE MEMBERS DURING 2009-10

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#### SUGATA BAG

"Two-sided Informational Asymmetry, Bilateral Investment, Simple Incomplete Contract and the Legal Remedies", 4th French-German Talk in Law & Economics, University of Trier, Germany, December 2009.

"Whither Contract Damages: Contracts with Reliance and One-sided Private Information", Conference on 'Economic Theory, Markets and Institutions of Governance', Jawaharlal Nehru University, New Delhi, March 2010.

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#### ADITYA BHATTACHARJEA

"Country Report on India", 2nd Summer Workshop on Asian Competition Policy, Lingnan University, Hong Kong, June 2010.

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#### ASHWINI DESHPANDE

"Does Affirmative Action Lower Productivity in Indian Railways", at British Academy Conference, London, October 2009; at Institute of Development Studies, Jaipur, December 2009; at 'Winter School 2009', Centre for Development Economics, Delhi School of Economics, December 2009; at Annual Conference, Indian Statistical Institute (Delhi), December 2009; at University of Johannesburg, South Africa, April 2010; and, at University of Warwick, U.K., May 2010.

"Growth, Reforms, Inequality: Comparing India and China", at International Chinese Studies Conference, New Delhi, December 2009; at Indian Institute for Development Studies, Kolkata, December 2009; at The New School, New York, March 2010; at Annual Conference on Development and Change, Johannesburg, April 2010; and, at Institute for Chinese Studies, New Delhi, May 2010.

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#### PAMI DUA

"Exchange Rate Policy and Modelling in India", Reserve Bank of India, Mumbai, August 2009.



"Synchronization of Recessions in Major Developed and Emerging Economies", Project LINK International Meeting, UNESCAP, Bangkok, October 2009.

"Synchronization and Intensity of the Global Recession and Recovery", Dayalbagh Educational Institute, Agra, February 2010.

"Determinants of Weekly Yields on Government Securities in India", International Conference on 'Quantitative Methods in Money, Banking, Finance and Insurance', Indian Business School, Hyderabad, March 2010.

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### **PARIKSHIT GHOSH**

"Democracy, Free Speech, Right to Information: Rights as Self Interested Gifts", Conference on 'Human Rights', Centre for Economic Studies and Planning, Jawaharlal Nehru University, March 4-5, 2010.

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### **SUNIL KANWAR**

"Intellectual Property Protection and Overseas R&D", Centre for Economic Studies and Planning, Jawaharlal Nehru University, New Delhi, March 5, 2010.

"Intellectual Property Protection and Overseas R&D: An Economic Analysis", Indian Institute of Technology (Bombay), Shailesh J. Mehta School of Management, December 22, 2009.

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### **ANIRBAN KAR**

"How Level Should the Playing Field Be? Initial Positions and Fairness in Ultimatum Games", Economics Department, Seoul National University, November 2009.

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### **B. L. PANDIT**

"Outward Foreign Direct Investment", at United Nations Conference on Trade and Development (UNCTAD), Geneva, Switzerland, March 2010.

Chaired a UNCTAD Conference Session on "Towards a Theory of MNC", Geneva, Switzerland, March 2010.

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### **OM PRAKASH**

Attended Meeting of the Executive Committee, International Economic History Association, Utrecht, the Netherlands, August 2, 2009.

International Economic History Congress, Utrecht, the Netherlands, August 2009.

Indian History Congress, University of Delhi, May 2010.

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### **SUDHIRA. SHAH**

"Dual Representations of Cardinal Preferences When Outcomes are Vectors", Far Eastern and South Asian Meetings of the Econometric Society, Tokyo, August 2009.

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### **RAM SINGH**

"Distribution of Highways Public Private Partnerships in India: Key Determinants" (with T.C.A. Anant), at Planning Commission, Government of India, New Delhi, August 2009; and, at Ministry of Finance, Government of India, New Delhi, October 2009.

"Economic Analysis of Contracts for Expressways", 5th Annual Conference on 'Economic Growth and Development', Indian Statistical Institute, New Delhi, December 16-18, 2009.

"Litigations Over Land Acquisition: Causes and Consequences", Conference on 'Rights in Economics and Law', Centre for Economic Studies and Planning, Jawaharlal Nehru University, New Delhi, March 5, 2010.

"Incomplete Contracts, Renegotiations and Cost Overruns", International Conference on 'Contracts, Procurement and Public-Private Agreements', The Economics of Public Private Partnerships Chair, University of Paris, Sorbonne, June 14-15, 2010.

"Incomplete Contracts and Renegotiations", Faculty of Business and Economics at K. University Leuven, Belgium, June 29, 2010.

"Determinants of Cost Overruns in Public Procurement of Infrastructure: Roads and Railways", Annual Conference of the India Policy Forum, New Delhi, July 13-14, 2010.

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## UDAY BHANU SINHA

"Patent Protection and Southern Innovation: A Strategic Analysis", Conference on 'Frontier Issues in Technology, Development and Environment', Madras School of Economics, Chennai, March 19 – 21, 2010.

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## ROHINI SOMANATHAN

"Public Goods Access and Juvenile Sex Ratios in Rural India: Evidence from the 1991 and 2001 Village Census Data", Fifth Annual Conference on 'Economic Growth and Development', Indian Statistical Institute, New Delhi, December 18, 2009.

"Repayment Incentives and the Design of Microfinance Institutions", at University of Melbourne, February 2010; and, at Conference on 'Economic Theory, Markets and Institutions of Governance', Jawaharlal Nehru University, New Delhi, March 2010.

"Caste Hierarchies and Social Mobility in India", at Conference on 'Social Conflict', Delhi School of Economics, April 9 - 10, 2010; and, at Conference on 'Growth and Development: Future Directions for India', Centre for International Trade and Development (CITD), Jawaharlal Nehru University, New Delhi, April 23 - 24, 2010.

"Group Inequality and Social Mobility", at Paris School of Economics, June 4-5, 2010; and, at University of Warwick, July 3, 2010.

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## LECTURES/TALKS PRESENTED BY THE MEMBERS DURING THE YEAR 2009-10

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### ADITYA BHATTACHARJEA

"Economics of Competition Law", to officers of the Competition Commission of India, Indian Institute of Corporate Affairs, New Delhi, March 2010.

Chaired a session at the 'Conference on Growth and Development: Future Directions for India', organized by Centre for International Trade and Development (CITD), Jawaharlal Nehru University, April 2010.

Lectures on "Trade, Competition Policy and Government Procurement", WTO Regional Trade Policy Course, National University of Singapore, June 2010.

"Economics of Competition Law", National Conference on 'Recent Developments in Competition Analysis: Theory and Evidence' (co-sponsored by the Indian Council of Social Science Research and the Planning Commission), Centre for Development Studies (CDS), Thiruvananthapuram, August 2010.

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### ASHWINI DESHPANDE

"Caste Discrimination in Urban Labour Markets" (Keynote Address), Annual Conference of the Indian Society of Labour Economics, Patiala, December 2009.

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### PAMI DUA

"Econometric Modelling and Forecasting", Refresher Programme in Economics, Centre for Professional Development in Higher Education, University of Delhi, October 2009.

"Analysis of Business Cycles Using Coincident and Leading Indexes: An Application to the Global Recession", Refresher Training Programme on 'Index Numbers' for ISS Officers and Senior Officers of State Govts./UTs, Centre for Development Economics, Delhi School of Economics, February 2010.

"Forecasting: The State of the Art", Dayalbagh Educational Institute, Agra, April 2010.

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#### **SUNIL KANWAR**

Refresher Programme in Economics, Centre for Professional Development in Higher Education, University of Delhi, October 23, 2009.

Workshop on "Study Design and Methodology of Coordinated Projects Assigned 2009", Ministry of Agriculture, Government of India; Session on 'Possibilities for and Constraints on Increasing the Production of Pulses in India, and the Impact of the National Food Security Mission on Pulses, Institute of Economic Growth, February 11, 2010, invited discussant.

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#### **SANTOSH C. PANDA**

"India's Development Strategy: Big Country Issues", Invited Lecture, International Conference on 'Economies of Big Countries', Hunan University of Commerce, Changsha, China, November 2009.

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#### **UDAY BHANU SINHA**

"Economics of R&D and Innovation", Academic Staff College, Jamia Milia Islamia University, New Delhi, October, 2009.

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#### **ROHINI SOMANATHAN**

"Repayment Incentives and the Design of Microfinance Institutions", University of Sydney, February 2010.

"Caste Hierarchies and Social Mobility in India", at Queen Mary's College, University of London, May 15, 2010; and, at Universidad Carlos III de Madrid, May 26, 2010

### **HONOURS RECEIVED BY THE MEMBERS DURING THE YEAR 2009-10**

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#### **ASHWINI DESHPANDE**

*V.K.R.V. Rao Award for Economics, January 2010*

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#### **RAM SINGH**

*Erasmus Mundus Scholarship 2010 in Economics*

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183	<b>A. Banerji Gauri Khanna J. V. Meenakshi</b>	Social Contracts, Markets and Efficiency: Groundwater Irrigation in North India (April 2010)
184	<b>Rohini Somanathan Kala Krishna Sergey Lychagin Sanghamitra Das</b>	Back on the Rails: Competition and Productivity in State-Owned Industry (April 2010)
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186	<b>J. V. Meenakshi A. Banerji Victor Manyong Keith Tomlins Nitya Mittal Priscilla Hamukwala</b>	Using a Discrete Choice Experiment to Elicit the Demand for a Nutritious Food: Willingness-To-Pay for Orange Maize in Rural Zambia (June 2010)
187	<b>Pami Dua Nishita Raje</b>	Determinants of Weekly Yields on Government Securities in India (June 2010)
188	<b>Sunil Kanwar</b>	Intellectual Property Protection and the Licensing of Technology to Developing Countries (July 2010)

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## COMPUTING FACILITIES

The Centre has well-equipped air-conditioned computer labs with software and hardware for meeting the research and training needs of M.A., M.Phil and Ph.D. programmes of the Department of Economics, Delhi School of Economics. Currently there are 100 Desktop Computer Systems linked through network with DELL Power Edge SC430 (Linux Server). Broadband internet connectivity from SIFY Technologies Limited has been provided to all of the Computer Systems. The Centre also provides in-house web based e-mail facility to the faculty, visiting research scholars, M.Phil. and Ph.D. students of the Department of Economics. Besides, the Centre has acquired several data sets to support the research need of the Members and students.

The Centre has acquired wide range of statistical and econometric software packages such as: *Stata, E-Views, Shazam, Gauss, RATS, LIMDEP, NLOGIT, MICROFIT, Mathematica, and Scientific Work Place*. It has access to various online and offline databases including *National Sample Survey (NSS), National Accounts Statistics of India, National Accounts Statistics of India, Annual Survey of Industries (ASI), Census of India Company Directory Series, Time Use Survey, Domestic Product of States of India, (EPWRF), Prowess, Econlit, Institute for Studies in Industrial Development (ISID), JSTOR (through university), Indiastat.com, Sciencedirect.com (through university), SCC Online (Supreme Court Case Finder & Supreme Court Cases), Economic & Political Weekly (EPW) online.*

## OFFICE STAFF – AUGUST 2010

**Sanjeev Sharma**

*Sr. Systems Administrator*

**K. P. Vinayan**

*Sr. Systems Administrator*

**Surjeet Singh**

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