**Contents**

1. Introduction \hfill 3
2. Conferences and Workshops \hfill 5
3. Lectures and Seminars \hfill 7
4. Visitors and Fellowships \hfill 7
5. Research Projects \hfill 10
6. Working Papers \hfill 17
7. Faculty Publications \hfill 19
8. Appendix \hfill 29
1 Introduction

The Centre for Development Economics (CDE) was established as a non-profit society in 1992 with an endowment grant from the Ministry of Finance, Government of India. It is located at the Delhi School of Economics. The Centre promotes collaboration with other institutions and individuals interested in economics and development policy. It acts as a research adjunct to the Department of Economics augmenting the infrastructure and providing research support. It hosts visitors, organizes conferences and workshops, houses faculty research projects, offers fellowships to masters’ and doctoral students and engages with the government on matters of economic policy. The CDE also runs an active seminar series, holds occasional public lectures in collaboration with the Department of Economics and publishes a working paper series to disseminate recent research by its members and their collaborators.

The Centre has well-equipped 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. It also has an archive of major secondary data sets and a library for use by local researchers.

The Centre is governed by a council of eight members, elected for a two-year term from among the faculty of economics. The regular members of the CDE are all faculty in the Department of Economics. Selected ex-faculty and other economists of eminence are co-opted as associate members. A list of all members are found at the end of this report.

The activities of the CDE are funded by income received from two endowment grants from the Ministry of Finance, from project income and from contributions by individuals and institutions interested in promoting the goals of the Centre. In addition to the endowment grant in 1992, the Centre received a corpus fund from the Ministry of Finance in 2012 for hosting visitors and awarding fellowships for doctoral and post-doctoral research.
The composition of the current council is:

**Rohini Somanathan** Executive Director  
**Parikshit Ghosh** Managing Director  
**Sugata Bag** Secretary  
**Mausumi Das** Treasurer  
**Aditya Bhattacharjea** Member  
**Surender Kumar** Member  
**Sudhir A. Shah** Member  
**Dibyendu Maiti** Member  

There are six regular staff to administer Centre activities and support programmes at the Delhi School of Economics:

**Surjeet Singh** Manager  
**Rajesh Papnai** Senior Office Assistant  
**Mandeep Kaur** Systems Administrator  
**Rohit Koli** Junior. Systems Administrator  
**Mritunjay Singh Bisht** Office Assistant  
**Ashok Kumar** Junior Office Assistant  

Accounts are maintained by chartered accounts Jayaraman & Co. and are audited by the firm Khanna & Annadhanam.
2 Conferences and Workshops

Winter School

The CDE held its annual Winter School from December 13-15, 2016. Each year, the Winter School combines plenary lectures by distinguished economists with parallel sessions where junior researchers present their work. The plenary speakers are leading researchers in their fields and give multiple lectures that survey their research areas and discuss ways of moving the field forward.

The three distinguished plenary speakers for the 2016 Winter School were Professor Abhijit Banerjee (MIT), Professor Glenn Loury (Brown University), and Professor Gita Gopinath (Harvard University). Professor Banerjee discussed the microfoundations of neoclassical growth theory. Professor Loury focussed on racial discrimination, crime and incarceration in the United States. Professor Gopinath lectured on international prices, exchange rates and sovereign debt. The Winter School also included a panel discussion on Tackling Inequalities. Professor Glenn Loury was also part of the panel and discussed the problems of inequality and race in the United States. The other two panelists were Professor Abhijit Sen from Jawaharlal Nehru University and Dr. Nachiket Mor, the current Director of the Bill and Melinda Gates Foundation in India. Generous funding was provided by the Export-Import Bank of India and by SpiceJet Airlines.

Over 50 faculty, policy makers and advanced doctoral students from within and outside India presented their research. The Institutions represented included the University of Arizona, Ben Gurion University, Boston College, University of Cambridge, University of Exeter, Economic Research Service (Washington D.C.), University of Glasgow, University of Goettingen, HSBC, Income Tax Department of the Government of India (GOI), Indian Institute of Technology (Kanpur and Delhi), Indian Statistical Institute (Delhi and Kolkata), Indian Institute of Management (Bangalore and Kolkata), Indira Gandhi Institute of Development Research, Indian School of Business, ITESM (Mexico), University of Liverpool, Queensland University of Technology, University of Massachusetts, National Council for Applied Economic Research (NCAER), National Institute for Public Finance and Policy (NIPFP), National Institute of Technology (Jamshedpur), National Law University, New York University, Norwegian Institute of International Affairs, Ohio State University, Oklahoma State University, Reserve Bank of India, Shiv Nadar University, University of South Pacific (Fiji), Stockholm University, Tata Institute of Social Sciences, TERI University, Vidyasagar College for Women (West Bengal), Ministry of Statistics & Program Implementation (GOI) and Yale University.
Workshops

In addition to the Winter School, the CDE hosted two workshops. These workshops provide a more relaxed environment for academic exchange and collaboration across departments.

The first of the two workshops for the year was on the *Political Economy and Development*. It was held on September 29-30, 2016 in collaboration with the The Centre for Competitive Advantage in the Global Economy (CAGE) at the University of Warwick in the U.K. This was the second workshop in a series that is based on a memorandum of understanding between the Centre for Development Economics and CAGE. The first workshop was held at the University of Warwick during July 2015. Papers presented at the Delhi workshop covered a wide range of topics including industrialization and public policy during the colonial period in India and Africa, political failure in electoral systems, clientelism, education, corporate environmentalism, malnutrition and gender and caste discrimination. There were a total of 11 presentations, five by researchers from Warwick and six by faculty from within the Delhi School of Economics. Funding was provided by the ICSSR. The third workshop in this series was on the theme of *Public Economics and Development* and was held at the University of Warwick from 30th June-1st July this year. Four CDE members presented papers, in addition to faculty members from Warwick and other institutions from the UK. The fourth workshop is scheduled for September 2018 at the CDE in Delhi.

On March 9-10, 2017, the Centre hosted a workshop on *Development in Comparative Perspective*. This was organized in collaboration with the Centre for research on the Economics of Climate, Food, Energy and Environment (CECFEE) at the Indian Statistical Institute in Delhi and the University of Gothenburg in Sweden. Eight faculty members from the Department of Economics at the University of Gothenburg participated in the conference in addition to faculty and students from the Indian Statistical Institute and the Delhi School of Economics. The focus was on development policy and the fields covered included education, foreign aid, energy, environment and cultural influences on development. In addition to faculty from these three institutions, Anant Sudarshan and Santosh Harish from the Delhi unit of the Energy Policy Institute of the University of Chicago attended and presented their work on urban air pollution. The closing session on the second day of the workshop consisted of a panel discussion on bridging the gap between research and policy. The panelists included Santhosh Matthew, Chairperson of the National Council for Teacher Education in Ministry of Human Resource Development of the Government of India, Pierre Jacquet, head of the Global Development Network and Arne Bigsten from the University of Gothenburg. Emmanuel Jimenez, the Executive Director of the International Initiative for Impact Evaluation attended and participated in the session on Education. Funding was provided by the Indian Statistical Institute and the project on Growth and Economic Opportunities for Women housed at the CDE.
3 Lectures and Seminars

There were two public lectures and 28 seminars. The first public lecture was on *Biofortification*, delivered on November 10, by Prof. Howarth Bouis, winner of the 2016 World Food Prize. The second, on July 20, was by Prof. Anirudh Krishna from the Sanford School of Public Policy at Duke University. The lecture was based on his recent book, *The Broken Ladder: The Paradox and the Potential of India’s One Billion*. The complete list of seminars is in the Appendix.

4 Visitors and Fellowships

The CDE hosted the following visitors over the past year.

<table>
<thead>
<tr>
<th>Dates</th>
<th>Visitor</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 6-10, 2016</td>
<td>Hans-Bernd Schafer</td>
<td>Bucerius Law School, Hamburg.</td>
</tr>
<tr>
<td>Jan 10- July 31, 2017</td>
<td>Nishtha Kochhar</td>
<td>Georgetown University.</td>
</tr>
<tr>
<td>August 1-4, 2017</td>
<td>Rajiv Sethi</td>
<td>Barnard College, Columbia University.</td>
</tr>
</tbody>
</table>

**Post-Doctoral Fellowship**

The CDE instituted a post-doctoral fellowship in 2015. For the year 2016-2017 this was offered in collaboration with the Institute of Economic Growth (IEG). The two institutions jointly decided that the CDE would provide financial support for the selected candidate and the IEG would offer accommodation on its campus. Recent PhD graduates as well as those who have submitted their PhD thesis (but are yet to be awarded their degree) were eligible to apply. To add to the diversity of the institution, the candidates from institutions other than the Delhi School of Economics were encouraged to apply. The fellowship for this year was awarded to Chandril Bhattacharya. Chandril completed his doctoral research at the Indian Statistical Institute, Kolkata. His thesis, entitled, *Unionization, Optimal Fiscal Policy and Endogenous Economic Growth* was submitted in July 2016. He was selected from among 60 applications received for this position.
Ph.D and Masters’ Student Fellowships

The CDE offers monthly stipends to meritorious doctoral candidates who are not in receipt of other forms of support. The following 7 students received stipends over the past year:

<table>
<thead>
<tr>
<th>Name</th>
<th>Year of Joining</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sanyyam Khurana</td>
<td>2016</td>
</tr>
<tr>
<td>Ajay Yadav</td>
<td>2016</td>
</tr>
<tr>
<td>Rimjhim Singh</td>
<td>2015</td>
</tr>
<tr>
<td>Mrinalini Jha</td>
<td>2014</td>
</tr>
<tr>
<td>Saumya Verma</td>
<td>2013</td>
</tr>
<tr>
<td>Aditi Saxena</td>
<td>2013</td>
</tr>
<tr>
<td>Archana Dang</td>
<td>2012</td>
</tr>
</tbody>
</table>

A scholarship fund was established in 2012 in memory of Professor Suresh Tendulkar. The endowment for the fund was created with contributions from the family of late Professor Tendulkar, Professor T. A. Bhavani and selected alumni from the 1981 graduating batch of masters’ students at the DSE. The fund is housed in the CDE and scholarships are awarded in consultation with the Department of Economics. During the 2016-17 academic year, scholarships were awarded to two masters’ students in economics, Ritika Gupta of the final year and Anisha Garg of the entering first year.

**Krishna Raj Travel Fellowships** In 2006, the Sameeksha Trust established the *Krishna Raj Summer Travel Fellowships*, in memory of the longest serving editor of Economic and Political Weekly (EPW). It has been housed in CDE since its initiation. Under this programme, MA students from Economics, Sociology and Geography are invited to apply for fieldwork-based short research projects, either individually or in groups. Inter-disciplinary research collaborations are particularly encouraged. This research is conducted in the summer vacation in between the MA programme, followed by a written report and presentation. Some of the best papers from this fellowship have been published in the EPW over the years.
The reports for the nine fellowships that were awarded during the summer of 2016 have been received and are listed below:

<table>
<thead>
<tr>
<th>Authors and Department</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Akshay Raghupathy and Amaan Shreyas (Sociology)</td>
<td>The Delhi Metro and Disability.</td>
</tr>
<tr>
<td>2 Kapilan Mahalingam and Ritwik Shukla (Economics)</td>
<td>Analysing Discrimination in Rural Development through the Saansad Adarsh Gram Yojana.</td>
</tr>
<tr>
<td>5 Shambhavi Gosain, Dakshita Kant and Anubhav Kumar Das (Sociology)</td>
<td>Dastan-e-Dastangoi: The Tale of a Revival.</td>
</tr>
<tr>
<td>6 Siddhesh Kumar Gooptu, Meghna Joshi and Nisha Das (Sociology)</td>
<td>PAHAL (Pratyaksh Hanstantrit Labh): Direct Benefits Transfer for LPG - A Study of Marginalized households.</td>
</tr>
<tr>
<td>7 Samhita Das (Sociology)</td>
<td>Addiction and Addicts: An Interpretative Study of Addicts as a Closed Community.</td>
</tr>
<tr>
<td>8 Safeeda Hameed (Geography), Vishnupriya Nagamalai and Athira Sugathan (Sociology)</td>
<td>The Women Workers' Movement in Munnar's Tea Plantations.</td>
</tr>
<tr>
<td>9 Pallab Deb and Samiksha Bhan (Sociology)</td>
<td>Little Sylhet: A Report on The East Bengali Community in Barak Valley, Southern Assam.</td>
</tr>
</tbody>
</table>
5 Research Projects

1. NOPOOR PROJECT on *Enhancing Knowledge for Renewed Policies against Poverty*


The EU-funded research project NOPOOR - Enhancing Knowledge for Renewed Policies against Poverty- was designed to generate new knowledge on the nature and extent of poverty in developing countries. More than 100 scientists from all over the world collaborated on innovative methods to improve living conditions in Africa, Asia and Latin America. The project brings new knowledge to policymakers around the globe and complements the EU agenda with consultations, guidance notes and policy briefs. The inclusive research design takes in important poverty alleviation stakeholders- donors and beneficiaries, civil society and researchers, development practitioners and media. A team of six researchers from the CDE undertook seven research studies under the NOPOOR project. Farzana Afridi studied the effect of politics on poverty-alleviation programs, Sugata Bag studied multi-dimensional poverty in urban settings using data from Indian slums, Ashwini Deshpande studied education, social mobility and discrimination in two separate projects, Deepti Goel used data National Sample Survey Organization for the years 2004-05 and 2011-12 to study recent changes in wage inequality, Anirban Kar linked local structures of power to conflict and poverty and Rohini Somanathan examined the effects of alternative public programs on inequality and poverty. Working papers for most of these studies are published in the CDE working paper series. Final papers for three of the studies have been submitted to the funders. Remaining papers are in progress and will be submitted this year.

2. Projects funded by the International Growth Centre (IGC) at the London School of Economics.

The IGC has two centres in India, one focussed on policy-relevant research in the state of Bihar, and the other for the rest of the country. Funding from the India and Bihar centres was received for the following projects over the past year:

(a) **Identifying an Effective Teacher in Public Schools in Delhi.**
(a) Principal Investigator (PI): Deepti Goel (CDE), Co-PI: Bidisha Barooah (3ie).

Project Summary: The project aimed to quantify the influence of teacher assignment on test scores at the higher secondary level in state-run schools, and to identify characteristics that correlate with an effective teacher. Our preliminary analysis suggests that over a two-year period, being taught by a one standard deviation better than average teacher moves a student at the middle of the achievement distribution to the 72nd percentile. That teachers play such an important role is heartening as good quality teachers can perhaps overcome some of the shortcomings that students in government schools face on account of their weaker socio-economic backgrounds. We also find that being ‘open’ or ‘unconventional’ as opposed to being ‘closed to experiences’ positively correlates with an effective teacher. An important policy implication is to re-work compensation structures in public schools and allow teacher remuneration be based on value addition to test scores. This would require the state to collect and maintain large administrative data sets.

(b) Does Choice of Procurement Matter for Cost and Quality of Infrastructure?
PI: Ram Singh (CDE).

Project Summary: The project compares the performance of different types of contracts used for procurement of national highways in India, with respect to project costs, and quality of road services for completed national highways. The study has policy implications for the design of the ‘Public Private Partnerships’ (PPP) projects and therefore of interest to all of the stakeholders-project planners, designers, government officials, investors, creditors as well as private partners. Specifically, the project studies the effect of contractual factors on the cost and quality of road construction. These include contract duration, degree of risk allocated to the private sector, and the general contractual form such as PPP or traditional procurement contracts.

(c) Food Security, Malnutrition and Poverty in India
PIs: Rohini Somanathan (CDE) and Anders Kjelsrud (University of Oslo, Norway).

Project Summary: The Food Security Bill was passed by the Lok Sabha in August 2013. The purpose of the legislation is to remove hunger and reduce malnutrition. The extent to which it will be able to do so depends largely on whether it results in higher food consumption. This project estimates the distribution of food grain consumption using recent rounds of the National Sample Survey and characterizes the households for which
a well-implemented program would change the marginal price of grains and therefore increase the share of grains in the consumption basket.

(d) **From Clean Fuel to Clean Air in India’s Metropolitan Cities**  
PIs: Rohini Somanathan (CDE) and Parikshit Ghosh (CDE).  

Project Summary: In response to court mandates and public pressure, several Indian states have passed legislation to improve air quality through the use of cleaner fuels, an improved vehicle fleet and traffic restrictions. We use data from ambient air pollution monitoring stations in Delhi and Kolkata to estimate the effect of air quality legislation on major pollutants. For Kolkata, we find that the introduction of LPG and the phasing out of old vehicles systematically reduced levels of carbon monoxide and particulate matter. In Delhi, we find that driving restrictions did improve air quality and reduce traffic in the first phase, but these effects were much smaller in the second phase. Levels of air pollution vary considerably by season and the smaller effects in the second phase could result from these extraneous factors.

(e) **The Effects of Food Policy on Cropping Patterns and Income Distribution in Rural Bihar**  
PIs: Rohini Somanathan (CDE) and Rajnish Kumar (Queen’s University, Belfast).  

Project Summary: This project aims at understanding the combined effect of two state policies related to the production and distribution of food, namely the sharply rising minimum support prices (MSPs) offered to farmers the subsidized distribution of food grains through the public distribution system (PDS). Higher support prices are likely to disproportionately benefit mainly large farmers who are likely to have the relevant networks and are able to cover the fixed costs of selling to the government. Food subsidies on the other hand, are designed to provide the largest quantities and the lowest prices to the poorest households. The combined expansion of these two schemes may adversely affect small and medium landowners who face depressed prices for selling food grains in the local market while obtaining limited food subsidies through the PDS.

3. **The Tara Akshar Literacy Project**  
PIs: Ashwini Deshpande (CDE), Alain Desrochers (University of Ottawa), Christopher Ksoll (Mathematica Research Foundation), Annemie Maertens (University of Sussex).

Funded by the Social Science and Humanities Research Council, Canada

Project Summary: India has more illiterate people than any other country in the world. TARA Akshar+ is a literacy project that provides high-quality adult education, through innovative methods, to women in some of the poorest areas of India. The objective is to provide rigorous evidence of the impact of an innovative adult literacy program targeting adult women. Tara Akshar+ (hereafter TA) is a computer-based learning program comprising of two modules, ‘TARA Akshar’ (a 36-day literacy program) and ‘TARA Ganit’ (a 18-day numeracy program). The project demonstrates the impact of TA on the women’s learning outcomes as well as on knowledge, confidence, beliefs, preferences, intra-household decision-making and impacts on health and education of children.

4. Choice, constraint and gender dynamics of labour markets in West Bengal

PIs: Ashwini Deshpande (CDE), Naila Kabeer (London School of Economics).

Funded by the Economic and Social Research Council (ESRC), UK.

Project duration: July 2016 - July 2019.

Project Summary: The project focuses on West Bengal as a case study for exploring the factors that differentiate labour force participation behaviour by men and women with a view to better understanding the recent decline in female participation rates. The proposed research will seek to address research questions such as what combination of social norms and economic motivations help to explain how men and women engage with the labour market in West Bengal and how this varies for men and women from different socio-economic groups. The project will draw out concrete policy implications from this analysis. The field survey is currently on-going across 8 districts in West Bengal.

5. Disaggregated Industry Level Productivity Analysis for India: A KLEMS Approach

PI: K.L. Krishna (CDE). Co-PIs: B. N. Goldar (Institute of Economic Growth), Deb Kusum Das (U. of Delhi), Suresh Aggarwal (U. of Delhi), Abdul Azeez Erumban (The Conference Board, Brussels)

Funded by the Reserve Bank of India

Project Summary: The project aims at the measurement and analysis of factor productivity in 27 industries comprising the Indian Economy from the year 1980-81 onwards. The KLEMS productivity methodology developed by Professor Dale Jorgenson (Harvard University, Cambridge, USA) and his associates, as part of the World KLEMS Initiative inaugurated at Harvard in 2010 and implemented in many countries across the globe is being exploited for the Indian economy. Data sets on measures of output and factor inputs for the years 1980-81 onwards are being constructed for the 27 industries, broad sectors and the total economy, using official data sources, such as NAS (National Accounts Statistics), ASI (Annual Survey of Industries), NSS Employment-Unemployment Surveys, for use in the project. This is a three year project, 2015 to 2017, funded by the Reserve Bank of India. Presentations of the ongoing research on such themes have been made by the team members at the 4th Asia KLEMS Conference held in Tokyo on July 31 and August 1, 2017. Two presentations were made in June 2017 at the Second World Comparative Economics Congress at St. Petersburg, Russia.

6. International Econometric Link India Model

PIs: Pami Dua (CDE) and N.R. Bhanumurthy(NIPFP).

Project Activities: Over the past year, the model was updated and the Indian Economic Outlook for 2016-17 was presented by Pami Dua at the UN DESA Expert Group Meeting on the World Economy (LINK Project) held in Toronto during October 2016. A paper entitled ‘Macro Stress Testing and Resilience Assessment of Indian Banking’ was also presented. V.N. Pandit (Sri Sathya Sai University, Andhra Pradesh) is an adviser on the project and Lokendra Kumawat (Ramjas College, University of Delhi) is a research associate.

7. India’s Economic Development: Informing Economic Policy Choices

PIs: Abhijit Banerji, J.V. Meenakshi, Parikshit Ghosh, Deepti Goel, Ashwini Deshpande, Mausumi Das & Anirban Kar (all CDE members).

Funded by the Ministry of Finance, Government of India.


Project Summary: Despite a good record of growth and significant decline in poverty in the past 2 or more decades, faster development could be achieved. Various reform measures and policy initiatives have already been initiated by the government in several sectors; and in consonance with this intent and action across multiple economic fronts, the present study comprises 6 individual research papers. Each addresses an issue central to current economic policy initiatives (a few of which are highlighted for example in Chapter 1, Box 1.2 of the
latest Economic Survey). We expect that answers to these questions will contribute to the
debate, design, and fine-tuning of policy initiatives by the Government of India.

8. Overweight and Obesity in Asia & the Pacific: Facts, Prospects, Consequences 
and Policies for Better Health

PI: J. V. Meenakshi (CDE)

Funded by the Asian Development Bank Institute, Tokyo.

Project duration: June 22, 2016- October 31, 2016.

Project Summary: India is clearly far along in the nutrition transition. This research high-
lights the rapid increase in the intra-household dual burden of malnutrition, characterized 
by apparently-paradoxical situation of overweight and obese women (implying that these 
households are not income constrained) co-existing with undernourished young children. This 
phenomenon is observed not just in urban but in rural areas as well, and there are regional 
specificities. Correspondingly, diabetes and hypertension affect a large proportion of adults, 
even as childhood undernutrition remains a public health problem. These have important 
consequences for the design of public health systems, especially in rural India. Our analysis, 
based on the Indian Human Development Surveys suggests that, among other factors, house-
holds that are wealthier, or have women who are more educated seem more vulnerable to this 
intra-household dual burden.


Project coordinator: Rohini Somanathan (CDE). Co-PI: Mausumi Das (CDE).

Funded by the University of Goettingen from a grant awarded by the International Develop-
ment Research Centre to study the barriers to female labor force participation.


Project Summary: Many women in low-income countries are still self-employed in agricul-
ture and their long-term economic empowerment will depend on their ability to participate 
in the labor market and work in salaried non-agricultural jobs. Economic growth and struc-
tural change has helped remove barriers in labor markets, but in many contexts women have 
not been able to adequately benefit from these opportunities. This research program, brings 
together a set of researchers across multiple universities and is focused on understanding heterogeneity in the impact of growth and structural change on women’s employment oppor-
tunities. The project combines theoretical insights from models of occupational choice with
empirical patterns of female labor-force participation and time allocation. The project also supports the gender-related dissertation work of Garima Agarwal and Divya Gupta who are doctoral students at the Delhi School of Economics.

10. **Responsible Innovation, ICT and Wellbeing**


Funded by Research Council of Norway.


Project Summary: Over the past decade, the world has become increasingly integrated across countries and regions within a country through ICT (Information and Communications Technology) innovations. Limiting the distance and bridging the information and knowledge gaps it deeply redefines relationships between individuals, consumers and enterprises, and citizens and governments and introduces new opportunities. But it introduces also new challenges and risks in terms of individual rights and privacy, security, cybercrime, the flow of personal data, and access to information. This project explores the following questions: What factors explain the level of ICT penetration? What is the transmission mechanism? What is the level and pace of digital divide across the countries by regions, development types, country size etc.? Do the geographical remoteness, industrialization, R&D share, corruption, governance and trade openness explain the extent of digital divide? If rising, ICT access could improve growth, not overall wellbeing. This study would like to unfold some of these issue for better understanding the relation between them.
6 Working Papers

The Centre has an active working paper series to disseminate research by its members and visitors. A total of 18 new working papers were published during the past year. These are listed below and available for download from the CDE website: www.cdedse.org.

<table>
<thead>
<tr>
<th>No.</th>
<th>Month</th>
<th>Authors</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>261</td>
<td>October</td>
<td>K. L. Krishna, Deb Kusum Das, Abdul Azeez Erumban, Suresh Aggarwal and Pilu Chandra Das</td>
<td>Productivity Dynamics in India’s Service Sector: An Industry-Level Perspective.</td>
</tr>
<tr>
<td>263</td>
<td>October</td>
<td>Sugata Bag and Suman Seth</td>
<td>Understanding Standard of Living and Correlates in Slums: An Analysis using Monetary Versus Multidimensional Approaches in Three Indian Cities.</td>
</tr>
<tr>
<td>264</td>
<td>October</td>
<td>Farzana Afridi, Bidisha Barooah and Rohini Somanathan</td>
<td>Student Responses to the Changing Content of School Meals in India.</td>
</tr>
<tr>
<td>266</td>
<td>November</td>
<td>Aditi Singhal</td>
<td>Strength of Partisan and Candidate Ties in India.</td>
</tr>
<tr>
<td>267</td>
<td>December</td>
<td>Ashwini Deshpande and Rajesh Ramachandran</td>
<td>The Changing Contours of Intergroup Disparities and the Role of Preferential Policies in a Globalizing World: Evidence from India.</td>
</tr>
<tr>
<td>268</td>
<td>December</td>
<td>Ashwini Deshpande and Rajesh Ramachandran</td>
<td>Dominant or Backward? Political Economy of the Demand for Quotas by Jats, Patels and Marathas.</td>
</tr>
<tr>
<td>No.</td>
<td>Month</td>
<td>Authors</td>
<td>Title</td>
</tr>
<tr>
<td>-----</td>
<td>--------</td>
<td>-------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>270</td>
<td>February</td>
<td>Hemanshu Kumar and Rohini Somanathan</td>
<td>Caste Connections and Government Transfers: The Mahadalits of Bihar.</td>
</tr>
<tr>
<td>272</td>
<td>March</td>
<td>Tarun Kabiraj and Uday Bhanu Sinha</td>
<td>Outsourcing Under Incomplete Information.</td>
</tr>
<tr>
<td>273</td>
<td>April</td>
<td>K. L. Krishna, Abdul Azeez Erumban, Deb Kusum Das, Suresh Agarwal and Pilu Chandra Das</td>
<td>Industry Origins of Economic Growth and Structural Change in India.</td>
</tr>
<tr>
<td>274</td>
<td>April</td>
<td>Surbhi Badhwar and Mausumi Das</td>
<td>Inequality and Expectations in a Model of Technology Adoption and Growth.</td>
</tr>
<tr>
<td>275</td>
<td>May</td>
<td>Chandan Singha</td>
<td>Analysing Adoption of Soil Conversation Measures by Farmers in Darjeeling District, India.</td>
</tr>
<tr>
<td>276</td>
<td>June</td>
<td>Raushan Kumar</td>
<td>Price Discovery in Some Primary Commodity Markets in India.</td>
</tr>
<tr>
<td>278</td>
<td>July</td>
<td>Jean-Marie Baland, Rohini Somanathan and Lore Vandwwalle</td>
<td>Socially Disadvantaged Groups and Microfinance in India.</td>
</tr>
</tbody>
</table>
7 Faculty Publications

Publications

Sugata Bag


Abhijit Banerji


Aditya Bhattacharjea


Mausumi Das

*Economic Challenges for the Contemporary World: Essays in Honour of Prabhat Patnaik* (Co-editors: Sabyasachi Kar and Nandan Nawn), Sage Publications (India), 2016.

“Aspirations, Inequality and Growth” in M. Das et al. (eds.), Economic Challenges for the Contemporary World: Essays in Honour of Prabhat Patnaik, Sage Publications (India), 2016.


Ashwini Deshpande


“Foreign Direct Investment and Intergroup disparities in India”, in Ashok Kotwal, Moshe Hirsh and Bharat Ramaswami (eds.), *The Right to Development: Making it Work in India*, University of British Columbia Press, 2017, forthcoming.

Pami Dua


**Parikshit Ghosh**


**Deepti Goel**


“Social Ties and the Job Search of Recent Immigrants” (with Kevin Lang), *ILR Review*, forthcoming.
Sunil Kanwar


Surender Kumar


Dibyendu Maiti


“Devaluation, Trade balances and the J-curve Phenomenon: The Case of Fiji” (with K. Prakash), Economic Modelling, Volume 55, 2016, pp. 382-393; DOI:10.1016/j.econmod.2016.02.023
J.V. Meenakshi


Sudhir Shah


Ram Singh


Uday Bhanu Sinha


Rohini Somanathan

Poverty and Income Distribution in India (co-edited with Abhijit Banerjee, Pranab Bardhan and T.N. Srinivasan), Juggernaut, 2017.

“Socially Disadvantaged Groups and Microfinance in India” (with Jean-Marie Baland and Lore Vandewalle), Economic Development and Cultural Change, forthcoming.


**Invited Lectures and Seminars**

**Sugata Bag**


**Aditya Bhattacharjea**

“Sylvania’s Indian Precursor and its Legacy”, Utrecht University School of Economics, The Netherlands, October 2016.

“How, When, and Why Should Governments Restrict or Promote Competition?” Valedictory Address at the refresher course training programme for officers of the Competition Commission of India, New Delhi, July 2017.

**Mausumi Das**


Ashwini Deshpande


“Bad Karma or Discrimination? Male-Female wage gaps in India”, XVIII International Economic Conference, Higher School of Economics, Moscow, April 2017.


“Caste, Class and Social Mobility: The Critical Role of High School Years”, University of Warwick, June 2017.

Pami Dua


“Protectionism and De-globalization”, Chair, Panel Discussion, Annual Research Conference of Department of Economic and Policy Research, Reserve Bank of India, June 2017.

**Parikshit Ghosh**


**Shreekant Gupta**


Sunil Kanwar


Anirban Kar


Surender Kumar


Dibyendu Maiti

“Labours, Innovation and Productivity”, South Asian University, New Delhi, April 28, 2017.


**Ram Singh**


“Litigation over Compensation under Land Acquisition: Actors and Outcomes”, Heidelberg University, Germany, July 04, 2017.

**Rohini Somanathan**


# Appendix

## List of Seminars

<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/9/16</td>
<td>Devesh Roy, IFPRI.</td>
<td>An Application (or Two) of the Synthetic Control Method (SCM) in Policy Evaluation.</td>
</tr>
<tr>
<td>22/9/16</td>
<td>Renuka Sane, ISI, Delhi.</td>
<td>Misled and Mis-sold: Financial Misbehaviour in Retail Banks?</td>
</tr>
<tr>
<td>06/12/16</td>
<td>Prasad S. Bhattatcharya, Deakin University.</td>
<td>The Political Economy of Land Reform Enactment and Implementation: New Cross-National Evidence (1900-2010).</td>
</tr>
<tr>
<td>10/1/17</td>
<td>Venoo Kakar, San Francisco State University.</td>
<td>Asset Prices and Optimal Monetary Policy.</td>
</tr>
<tr>
<td>2/3/17</td>
<td>Prachi Mishra, Reserve Bank of India</td>
<td>The Transmission of Monetary Policy within Banks: Evidence from India.</td>
</tr>
<tr>
<td>Date</td>
<td>Speaker</td>
<td>Title</td>
</tr>
<tr>
<td>--------</td>
<td>-------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>7/3/17</td>
<td>Sonalde Desai, U. of Maryland and NCAER</td>
<td>Do Public Works Programs Increase Women’s Economic Empowerment? Evidence from Rural India.</td>
</tr>
<tr>
<td>10/3/17</td>
<td>Elizabeth Webster, Swinburne U. of Technology, Australia</td>
<td>The Effect of Patents on Trade.</td>
</tr>
<tr>
<td>30/3/17</td>
<td>Vidya Sounderarajan, IIM, Bangalore</td>
<td>Role of Political Activists in Clientelistic Settings: Evidence from an Indian Public Works Program.</td>
</tr>
<tr>
<td>13/4/17</td>
<td>Girish Bahal, NCAER.</td>
<td>Employment Guarantee Schemes and Wages in India.</td>
</tr>
<tr>
<td>27/7/17</td>
<td>Jonathan Morduch, New York University.</td>
<td>Poverty and Migration in the Digital Age: Experimental Evidence on Mobile Banking in Bangladesh.</td>
</tr>
<tr>
<td>Date</td>
<td>Speaker</td>
<td>Title</td>
</tr>
<tr>
<td>--------</td>
<td>----------------------------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>3/8/17</td>
<td>Alok Kumar, University of Victoria, British Columbia.</td>
<td>Earning Risks, Parental Schooling Investment, and Old-Age Income Support from Children.</td>
</tr>
<tr>
<td>10/8/17</td>
<td>Shareen Joshi, Georgetown University.</td>
<td>Jati Inequality in Rural India.</td>
</tr>
<tr>
<td>17/8/17</td>
<td>Federico Lupo-Pasini, Queen’s University, Belfast.</td>
<td>Is Financial Nationalism on the Rise? A Discussion on the Logic of Cooperation in International Finance.</td>
</tr>
<tr>
<td>31/8/17</td>
<td>Ashwini Deshpande, DSE.</td>
<td>Do Livelihood Programmes Empower Women? Evidence from Self-Help Groups in Rural India.</td>
</tr>
</tbody>
</table>

**Programmes for Conferences and Workshops**

The programs for the Winter School and the two workshops held during the year are appended below:
## Programme

### Tuesday, December 13

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 AM - 8:45 AM</td>
<td>Registration &amp; Tea</td>
<td>Ground Floor</td>
</tr>
<tr>
<td>8:45 AM - 9:00 AM</td>
<td>Welcome Remarks: Pami Dua, Director, DSE Aditya Bhattacharjea, Head, Dept of Economics, DSE</td>
<td>Front Lawns</td>
</tr>
<tr>
<td>9:00 AM - 10:30 AM</td>
<td>MISALLOCATION - I Abhijit Banerjee, MIT Chair: Sudhir A. Shah</td>
<td>Lecture Theatre</td>
</tr>
<tr>
<td>10:30 AM - 11:00 AM</td>
<td>TEA</td>
<td>Front Lawns</td>
</tr>
<tr>
<td>11:00 AM - 12:30 PM</td>
<td>LUNCH (for registered participants)</td>
<td>Front Lawns</td>
</tr>
<tr>
<td>2:00 PM - 3:30 PM</td>
<td>Parallel Sessions 1: 1.1 Political Economy</td>
<td>Room 116</td>
</tr>
<tr>
<td>2:00 PM - 3:30 PM</td>
<td>1.2 Productivity</td>
<td>Room 104</td>
</tr>
<tr>
<td>2:00 PM - 3:30 PM</td>
<td>1.3 Education and Development</td>
<td>Room 206</td>
</tr>
<tr>
<td>2:00 PM - 3:30 PM</td>
<td>1.4 Environmental Issues</td>
<td>Room 205</td>
</tr>
<tr>
<td>2:00 PM - 3:30 PM</td>
<td>1.5 Networks</td>
<td>Room 208</td>
</tr>
<tr>
<td>3:30 PM - 3:45 PM</td>
<td>BREAK</td>
<td></td>
</tr>
<tr>
<td>3:45 PM - 5:15 PM</td>
<td>Parallel Sessions 2: 2.1 Political Economy: Empirics</td>
<td>Room 116</td>
</tr>
<tr>
<td>3:45 PM - 5:15 PM</td>
<td>2.2 Labour</td>
<td>Room 205</td>
</tr>
<tr>
<td>3:45 PM - 5:15 PM</td>
<td>2.3 Public Finance</td>
<td>Room 104</td>
</tr>
<tr>
<td>3:45 PM - 5:15 PM</td>
<td>2.4 Macro Empirics</td>
<td>Room 208</td>
</tr>
<tr>
<td>5:15 PM - 5:30 PM</td>
<td>TEA</td>
<td>Front Lawns</td>
</tr>
<tr>
<td>5:30 PM - 6:30 PM</td>
<td>BAI SE BEGUM</td>
<td></td>
</tr>
<tr>
<td>6:30 PM - 9:00 PM</td>
<td>MISALLOCATION - II Abhijit Banerjee, MIT Chair: Parikshit Ghosh</td>
<td>Lecture Theatre</td>
</tr>
<tr>
<td>7:00 PM - 9:00 PM</td>
<td>CONFERENCE DINNER (for registered participants)</td>
<td>Maidens Hotel, Front Lawns (7, Sham Nath Marg)</td>
</tr>
</tbody>
</table>
29 September (Thursday):

9.15 a.m.: Welcome Address (J.V. Meenakshi)

9.30 a.m. – 11.15 a.m.: Session 1 (Chair: Aditya Bhattacharjea)

*Bishnupriya Gupta*: Does Geography determine Industrialization? (9.30-10.20)

*Yannick Dupraz*: Colonial Public Finances and State Building in Africa (10.20-11.10)

11.15-11.45 am: Tea Break

11.45 a.m. – 1.30 p.m.: Session 2 (Chair: Parikshit Ghosh)


*Parikshit Ghosh*: Fluctuating Fortunes and Persistent Policies: A Dynamic Theory of Political Failure (12.35-1.25)

1.30-2.45p.m.: Lunch

2.45- 5.15 p.m.: Session 3 (Chair: Surender Kumar)


*Mausumi Das*: Public versus Private Provisioning: Collective Action and Elite Participation (3.35-4.25)

*Surender Kumar*: Corporate Environmentalism in India: Determinants and Deterrence (4.25-5.15)

5.30 pm: Tea/Coffee

7 p.m.: Conference Dinner by invitation

30 September (Friday):

9.30 – 11.10 a.m.: Session 4 (Chair: Ashwini Deshpande)

*Roland Rathelot*: Ethnic Discrimination on Online Marketplace of Vacation Rentals (9.15-10.05)

*Ashwini Deshpande*: Does Affirmative Action Work? Caste Disadvantage and Political Economy of the Demand for Quotas (10.05-10.55)

11.10-11.45 a.m.: Tea Break
Workshop on
Development in Comparative Perspective
SESSION DETAILS

All sessions will be held in the AmEx Room (Room 206), Department of Economics, Delhi School of Economics.

**Session 1: Education**
Thursday, March 9 (10:00 - 11:30 AM)
- IMPROVING LEARNING OUTCOMES THROUGH INFORMATION PROVISION: EVIDENCE FROM INDIAN VILLAGES
  - Farzana Afridi (Indian Statistical Institute, Delhi), Bidisha Barooah (3ie) and Rohini Somanathan (Delhi School of Economics)
- WITHIN-FAMILY INEQUALITIES IN HUMAN CAPITAL ACCUMULATION IN INDIA: BIRTH ORDER AND GENDER EFFECTS
  - Heather Congdon Fors and Annika Lindskog (University of Gothenburg)
- GOLD MINING AND EDUCATION: A LONG-RUN RESOURCE CURSE IN AFRICA?
  - Pelle Ahlerup (University of Gothenburg), Thushyanthan Baskaran (University of Siegen) and Arne Bigsten (University of Gothenburg)

**Session 2: Affirmative Action**
Thursday, March 9 (12:00 - 1:00 PM)
- THE FAIRER SEX? WOMEN LEADERS, STRATEGIC DECEPTION AND AFFIRMATIVE ACTION
  - Lata Gangadharan (Monash University), Tarun Jain (Indian School of Business, Hyderabad), Pushkar Maitra (Monash University) and Joseph Vecci (University of Gothenburg)
- EFFICIENCY CONSEQUENCES OF AFFIRMATIVE ACTION IN ELECTIONS: THEORY AND EVIDENCE FROM INDIA
  - Sabyasachi Das, Abhiroop Mukhopadhyay and Rajas Saroy (Indian Statistical Institute, Delhi)

**Session 3: Culture**
Thursday, March 9 (2:30 - 3:30 PM)
- CULTURAL TRANSMISSION OF TRAITS: SOME MACROECONOMIC IMPLICATIONS
  - Mausumi Das (Delhi School of Economics)
THE IMPACT OF ABORTION LEGALIZATION ON FERTILITY AND FEMALE EMPOWERMENT: NEW EVIDENCE FROM MEXICO
- Damien Clarke (Oxford University) and Hanna Muhlrad (University of Gothenburg)

Session 4: Foreign Aid
Friday, March 10 (10:00 - 11:00 AM)

- CHINESE AID AND LOCAL CORRUPTION
  - Ann-Sofie Isaksson (University of Gothenburg) and Andreas Kotsadam (University of Oslo)

- ON AID ORPHANS AND DARLINGS (AID EFFECTIVENESS IN AID ALLOCATION BY RESPECTIVE DONOR TYPE)
  - Sven Tengstam (University of Gothenburg)

Session 5: Trade
Friday, March 10 (11:30 - 12:30 PM)

- ARE FAIRTRADE PRICES FAIR? AN ANALYSIS OF THE DISTRIBUTION OF RETURNS IN THE SWEDISH COFFEE MARKET
  - Dick Durevall and Gunnar Kohlin (University of Gothenburg)

- INDUSTRIAL ENERGY PRICES AND EXPORT COMPETITIVENESS: EVIDENCE FROM INDIA
  - Surender Kumar (Delhi School of Economics) and Prerna Prabhakar (University of Delhi)

Session 6: Air Pollution
Friday, March 10 (2:00 - 3:00 PM)

- CLEARING THE AIR ON DELHI'S ODD-EVEN PROGRAM
  - Michael Greenstone (University of Chicago), Santosh Harish (University of Chicago), Rohini Pande (Harvard University) and Anant Sudarshan (EPIC-India)

- DRIVING WHILE GREEN: VEHICULAR REGULATION AND AIR QUALITY IN INDIAN CITIES
  - Parikshit Ghosh and Rohini Somanathan (Delhi School of Economics)

Panel Discussion: The Policy-Research Bridge
Friday, March 10 (3:00 - 4:30 PM)

Panelists:

- A. Santhosh Mathew (Political economist, Indian Administrative Service)
- Pierre Jacquet (Global Development Network)
- Arne Bigsten (University of Gothenburg)
List of CDE Members

<table>
<thead>
<tr>
<th>Current Faculty</th>
<th>Associate Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>T. C. A. Anant</td>
<td>G. Balachandran</td>
</tr>
<tr>
<td>Sugata Bag</td>
<td>Kaushik Basu</td>
</tr>
<tr>
<td>Abhijit Banerji</td>
<td>O. P. Bhardwaj</td>
</tr>
<tr>
<td>Aditya Bhattacharjea</td>
<td>R. K. Das</td>
</tr>
<tr>
<td>Mausumi Das</td>
<td>Jean Dreze</td>
</tr>
<tr>
<td>Ashwini Deshpande</td>
<td>Nira Goyal</td>
</tr>
<tr>
<td>Pami Dua</td>
<td>K. L. Krishna</td>
</tr>
<tr>
<td>Parikshit Ghosh</td>
<td>Puran B. Mongia</td>
</tr>
<tr>
<td>Deepti Goel</td>
<td>Badal Mukherji</td>
</tr>
<tr>
<td>Shreekant Gupta</td>
<td>Pulin B. Nayak</td>
</tr>
<tr>
<td>Sunil Kanwar</td>
<td>B. L. Pandit</td>
</tr>
<tr>
<td>Anirban Kar</td>
<td>V. Pandit</td>
</tr>
<tr>
<td>Surender Kumar</td>
<td>R. N. Pradhan</td>
</tr>
<tr>
<td>Dibyendu Maiti</td>
<td>Om Prakash</td>
</tr>
<tr>
<td>J. V. Meenakshi</td>
<td>Ranjan Ray</td>
</tr>
<tr>
<td>Santosh C. Panda</td>
<td>Partha Sen</td>
</tr>
<tr>
<td>Paramjit</td>
<td>Sanjay Subramanyam</td>
</tr>
<tr>
<td>Sudhir A. Shah</td>
<td>K. Sundaram</td>
</tr>
<tr>
<td>Ram Singh</td>
<td></td>
</tr>
<tr>
<td>Uday Bhanu Sinha</td>
<td></td>
</tr>
<tr>
<td>Rohini Somanathan</td>
<td></td>
</tr>
</tbody>
</table>