

$$x_p(k+1) = x_p(k) + T \cdot v_p(k) + \frac{1}{2} \cdot T^2 \cdot a_p(k)$$

$$v_p(k+1) = v_p(k) + T \cdot a_p(k)$$

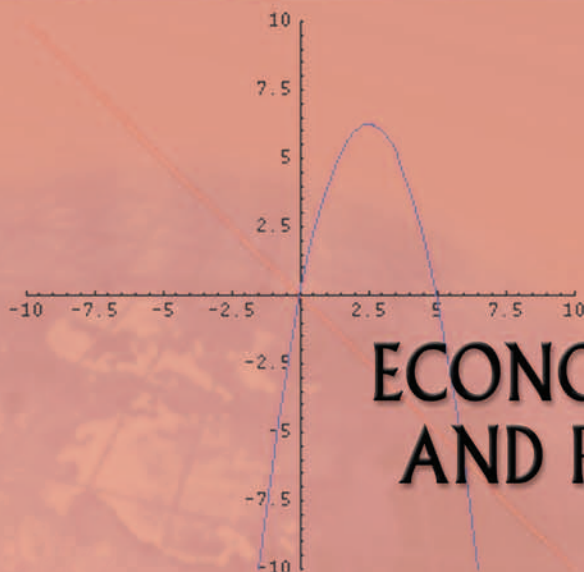
$$x_p(k) = x_p(k) + \alpha \cdot (x_0(k) - x_p(k))$$

$$v_p(k) = v_p(k) + \frac{\beta}{T} \cdot (x_0(k) - x_p(k))$$

$$a_p(k) = a_p(k-1) + \frac{\gamma}{T^2} \cdot (x_0(k) - x_p(k))$$



# ISEC



## CENTRE FOR ECONOMIC STUDIES AND POLICY (CESP)



## THE INSTITUTION

The Institute for Social and Economic Change was established in 1972 by the visionary, scholar, statesman and distinguished social scientist Prof. V K R V Rao. It has always been conceived as an all-India institute of interdisciplinary research and training in social sciences. The principal objective of the Institute is conducting research, pure and applied, in social sciences and enlarging the canvas to include doctoral programme, training and policy dissemination.

The main objectives of the Institute summarily stated are to:

- undertake pure and applied research in social sciences encompassing all aspects of a developing society in an inter-disciplinary framework;
- assist central, state and local governments by providing advice based on policy-related studies;
- undertake regular training of doctoral students and teachers in universities and colleges, and for the officials and political functionaries, particularly at local levels;
- maintain a documentation and data centre in social sciences;
- take all measures within the competence of the Institute for the promotion of pure and applied research in social and economic development and change;
- assist the multilateral organisations such as the World Bank, Asian Development Bank, UNFPA, UNICEF, WHO and ILO in undertaking research and training programmes and
- collaborate with universities, research institutions and the non-governmental organisations (NGO) in the region in improving the quality of research and training.

## CENTRE FOR ECONOMIC STUDIES AND POLICY (CESP)



The Centre for Economic Studies and Policy (CESP) is one of the core centres in the Institute and is actively engaged in research and teaching. The Centre also houses the Reserve Bank of India endowment Chair. The Centre contributes to the research in core Economics themes as well as to the PhD training programme. The Centre has eight faculty members specializing in varied branches of Economics and on an average has about 35 students pursuing their PhD at a given point of time with an annual intake of about six students based on an all-India selection process. In particular, the Institute's entire pre-PhD teaching courses in Economics and Basic Statistics for non-economics students are designed and implemented by the Centre's faculty. The Centre's faculty members provide guidance to a large number of PhD scholars in the Institute. Faculty members are engaged in theoretical and empirical research.

### GOALS AND MISSION

Centre for Economic Studies and Policy aims at becoming a centre of excellence in the conduct of research and PhD training, the Centre hopes to achieve the same by conducting cutting edge research in the core areas of Economics and disseminate the research findings far and wide.

### RESEARCH PERSPECTIVE

The Centre for Economic Studies and Policy engages in teaching and research in diverse themes of core Economics. The Centre's research encompasses a broad spectrum of themes from National income transfer accounts for India, trade, services sector, Public Economics, banking and finance, labour and informal sector, public utilities and their pricing etc., The Centre's research has for long revolved around the themes of current importance and are policy intense. This focus would continue in future times.

The current research agenda of the Centre includes topical themes such as financial exclusion of the urban poor, an emerging area in the context of rapid urbanization trends noted in India. In the international context, the issues examined include Regional Disparities, Industrial Development and Inclusive Growth in India focusing on sub theme such as role of services sector in generating income and employment in India. Study of the international best practices in the context of the recently emerging focus on results/outcomes for government programs is yet another topical research theme of the Centre. A socio-economic analysis of increasing resilience of Coffee Production to Leaf Rust Disease is another area of study in the international context. On the policy front, financial sector reforms have brought several changes to the Indian banking sector. Study of these issues will remain a major thrust in the coming years.

Extent of rural indebtedness is significantly high in India impacting farmers' households significantly. Self-help group bank linkage programme of NABARD is an initiative in enhancing accessibility to micro-credit to the rural populace, in addition to developing savings habit and income generating activities. In addition, institutions such as cooperative banks also act as purveyor of credit to the small and marginal farmers and help in poverty

reduction. As the health of the cooperative banks have deteriorated in the recent times a revival package has been developed which also mandates several prudential and accounting norms for the cooperative banking sector for the first time in India. In the medium term, faculty from the centre will be engaged in studying these areas in depth.

Public budgeting and financial management are going through drastic reforms across the globe which is changing the manner in which the public sector performance is measured. In this background, the centre's research will focus on study of the Budget reforms and performance assessment of the Public sector in the international context. In addition theory and practice of performance assessment of the public sector and public expenditure planning and management will be other areas of interest of the faculty at CESP.

Metro railway has been introduced as an important and promising urban infrastructure in the state of Karnataka. However, the usefulness of this infrastructure will depend critically on its pricing. Thus fare fixation remains a crucial issue for the performance of this sector. Centre's faculty would attempt to contribute in this area in the medium term.

International financial integration is a complex process that can be defined and quantified by different measures, which can be categorized as de jure and de facto measures. These approaches, despite their increasing sophistication suffer from a variety of shortcomings and they fail to fully capture the complexity of real world capital controls for a number of reasons. The pertinent question which arises in this issue is whether to stick with using one of these types of measures (as most of the empirical works does) or look for alternatives. The Centre's research plan is to look for an alternative, which is construction of an alternative measure to gauge the level of financial integration among the countries. Not only is the plan intended to construct an index but also to empirically test the index and its applicability in an international context.

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*Has the SHG-Bank Linkage Helped the Poor Gain Access to Capital?: A Comparative Study between Karnataka and Gujarat* (2009): Veerashekharappa, H S Shylendra, Sampati Guha, ISEC Monograph No. 16, Bangalore.

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*Khomuvada Mattu Deshodhara* (2010, in Kannada): M Kusanna, Matanga Prakashana.

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Sl. No.	Title of the Project	Project Director/s	Year
1	"Construction of National Transfer Accounts for India", A collaborative research work for the international project on: <i>Asia's Dependency Transition: Intergenerational Equity, Poverty Alleviation and Public Policy</i> , funded and coordinated by the Nihon University Population Research Institute (Tokyo).	Dr. M R Narayana	2009
2	The Institutional and Political Dimensions of Public Primary Education: Karnataka in Comparative Perspective : Sponsored by Sir Ratan Tata Trust Endowment Fund	Dr. S Madheswaran [with Mary Breeding, George Town University]	2010
3	New Dimensions of Rural Indebtedness in India: An Assessment of the Challenges to the Credit Institutions	Dr. Meenakshi Rajeev	2010
4	Assets as Liability?: Non-Performing Assets in the Indian Commercial Sector	Dr. Meenakshi Rajeev	2010
5	"Estimation of Public and Private Investment and Consumption of Goods and Services in Karnataka State", sponsored by Planning Department and Finance Department, Government of Karnataka (Bangalore).	Dr. M R Narayana	2011
6	State-Level Health Budget and Expenditure Tracking System: Karnataka, A Study: Sponsored by National Health Systems Resource Center, Ministry of Health Government of India, New Delhi.	Dr. K. Gayithri	2011
7	Water Resources Management in Karnataka for State of Environment Report, Karnataka, 2011, Sponsored by Ministry of Environment & Forests, Gol, Dept of Forest, Ecology and Environment, GoK and EMPRI, Bangalore	Dr. Krishna Raj	2011
8	"Economic Instruments for Environmental Conservation and Management" for State of Environment Report, Karnataka, 2011. Sponsored by Min of Environment & Forests, Gol, Dept of Forest, Ecology & Environ, GoK and EMPRI, Bangalore.	Dr. Krishna Raj	2011
9	Impact of the Revival Package for Short-Term Co-operative Credit Structure, in Andhra Pradesh	Dr. Veerasekharappa, Dr. Meenakshi Rajeev	2011

10	Impact of the Revival Package for Short-Term Co-operative Credit Structure, in Madhya Pradesh	Dr. Veerasekharappa, Dr. Meenakshi Rajeev	2011
11	Impact of the Revival Package for Short-Term co-operative credit Structure, in Bihar.	Dr. Veerasekharappa, Dr. Meenakshi Rajeev	2011
12	Quality and Sustainability of SHGs: In Karnataka State	Dr. Meenakshi Rajjev & Dr. Veerasekharappa	2011
13	Study on Government Subsidies in Karnataka, Expenditure Reforms Commission, GoK	Dr. K Gayithri with Dr. R S Deshpande	2012
14	Farm Sector in Karnataka: Farmers' Indebtedness and Risk Management.	Dr. Meenakshi Rajeev & Ms B P Vani	2012
15	Mid-term Appraisal of 11 <sup>th</sup> Five-Year Plan of Karnataka, Sponsored by Gol.	Dr. S Madeshwaran & Dr. K Gayithri	2012
16	'Results Framework Document: A Rapid Appraisal', Sponsors: Karnataka Evaluation Authority, GoK	Dr. K Gayithri	2012
17	Study on Framework for Assessing Performance and Outcome Monitoring of Schemes/ Programmes Implemented by GoK: A Study sponsored by Expenditure Reforms Commission, GoK, Bangalore.	Dr. K Gayithri	2012
18	Migration, Informal Work and Welfare: A Policy Perspective on Urban Deprivation in Karnataka's Cities.	Ms B P Vani (with Dr SupriyaRoy Chowdhury Dr K S James, Dr N Sivanna).	2012
19	District-level Funds Flow and Expenditure Analysis under NRHM in Karnataka and Tamil Nadu.	Dr. K Gayithri	2012
20	Status of Women in Karnataka – A Monograph	Ms B P Vani with Dr K G Gayathri Devi & Dr Lekha Subaiya	2013
21	Evaluation Study on Conservation of Magadi Fort, Sponsored by the Directorate of Archaeology & Museums, Mysore.	Dr. Veerasekharappa	2013

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## **B P Vani**

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Contributed to Second Human Development Report on the "Dimensions of Regional Disparity" (with G K Kadekodi and H K Amarnath).

*Status of Women in Karnataka – a Monograph*, (with Dr K G Gayathri Devi & Dr Lekha Subaiya). Draft Report submitted to the State Planning Board.

## **Malini L Tantri**

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Trade Performance of SEZs in India: A Disaggregated Level Analysis, *Margin: The Journal of Applied Economic Research*, Vol. 5 (2): 267-292, 2011.

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*WTO, Trade Facilitation and India's Initiative - With a special reference to SEZs*, in the International Seminar on 'India and WTO', 6-8 October 2013, Central University of Kerala, 2013.

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## **Barun Deb Pal**

*India's GHG Emission Profile: Results of Five Climate Modelling Studies*, Ministry of Environment and Forests, Government of India, 2009.

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## **M Kusanna**

Financial Composition of Gram Panchayaths in Karnataka: Postulations and Realities. *The Indian Journal of Political Science*, Vol. LXXXII, No.4 Oct-Dec-2011

Property Tax Reforms in Urban Local Bodies of Karnataka: Strategies for Fiscal Management. *Nagar Lok Journal of IIPA*, New Delhi Vol. XLII, No.4 Oct-Dec-2011.

## WORKING PAPERS (2009-2013)

- M R Narayana: *Demographic Dividends for India: Evidence and Implications based on National Transfer Accounts*, ADB Economics Working Paper Series No.292, December 2011, Asian Development Bank (Manila). (with L. Ladusingh).
- M R Narayana: *ICT Sector, globalization and urban economic growth: Evidence for Bangalore (India)*, Working Paper No.2010/80, UNU-WIDER (Helsinki): July 2010.
- Rajeev Meenakshi (2013): *Identifying Credit Constraint Farmers: An Alternative Approach* [with Manojit Bhattacharjee], ISEC Working Paper No.304.
- Rajeev Meenakshi (2013): *Determinants of Capital Structure of Indian Corporate Sector* (with Kaushik Basu): ISEC working paper no. 306.
- Rajeev Meenakshi and Bhattacharjee, M (2013): *Credit Exclusion of the Poor: A Study of Cultivator Households in India*, Working Paper, University of Kassel, Germany.
- Rajeev, M. and Bhattacharjee, M (2012). *Repayment of Short-term loans in the formal credit market*, ISEC Working Paper No. 273.
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- Mandal, S.K., Madheswaran, S. 2010. *Causality Between Energy Consumption and Output Growth in Indian Cement Industry: An Application of Panel Vector Error Correction Model*, ISEC working paper No 238.
- Ghatak, Amrita, and S Madheswaran, (2011), *Burden of Income Loss due to Ailment in India: Evidence from NSS Data*, Working paper No. 269, ISEC.
- Jajati Parida and S.Madheswaran, *Determinants of Migration and Remittance in India: Empirical Evidence*, (2011), ISEC Working Paper No. 272.
- Jajati Parida and S.Madheswaran, *Spatial Heterogeneity and Population Mobility in India*, (2010), ISEC Working Paper No. 234.
- Jajati Parida and S. Madheswaran, *Higher Wages, Cost of Separation and Seasonal Migration in India*, (2012), ISEC Working Paper No. 281.
- S. Madheswaran: *District Funds Flow and Expenditure: Sub-National Evidence from the State of Karnataka*, ISEC Working Paper No. 278, 2010.

S. Madheswaran (with Rajdeep Singha): *Engineering Industry, Corporate Ownership and development: Are Indian firms catching up with the global standard?* ISEC Working Paper No. 256, 2010.

S. Madheswaran (with Rajdeep Singha): *Government policy and performance: A study of Indian Engineering Industry*, ISEC Working Paper No. 253, 2010.

S. Madheswaran (with Rajdeep Singha): *Spill-over effects from Multinational Corporations; Evidence from West Bengal Engineering Industries*, ISEC Working Paper No. 247, 2010.

K. Gayithri, *District Funds Flow and Expenditure: Sub-National Evidence from the State of Karnataka*, ISEC Working Paper No. 278, 2010.

K. Gayithri, (with Rajdeep Singha). *Engineering Industry, Corporate Ownership and development: Are Indian firms catching up with the global standard*, ISEC Working Paper No. 256, 2010.

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Krishna Raj: *Where all the Water has gone? Unreliable Water Supply in Bangalore City*, Working Paper 307, ISEC, Bangalore.

Tantri, Malini L (2013): *India's SEZ Policy: A Retrospective Analysis*, ISEC Working Paper No.301, 2013.

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Tantri, Malini L (2010): *The Performance of Indian SEZs: A Disaggregated Analysis*, Working Paper No 251, ISEC, Bangalore.

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## CURRENT RESEARCH

### List of ongoing Projects in CESP as on December 2009

Sl. No.	Title of the Project	Project Director/s
1	Socio-Economic Analysis of Increasing Resilience of Coffee Production to LRD – sponsored by ICO and CFC through Coffee Board.	Dr. M R Narayana
2.	Universal Old Age Pension in India: Estimates of economic demand, public cost and financing options, sponsored under the UNFPA's <i>Building Knowledge Base on Aging in India: Increased Awareness, Access and Quality of Elderly Services at ISEC</i>	Dr M.R. Narayana
3	Climate Change and Efficiency of Urban Water Supply and Demand Management in Bangalore and New York Cities : ICSSR Sponsored Project	Dr. Krishna Raj
4	Valuing Eco-tourism in Bandipura and Nagarhole National Parks: Estimating Recreational Benefits by Using Travel Cost and Contingent Valuation Methods	Dr. Krishna Raj
5	Climate Change and Efficiency of Urban Water Supply and Demand Management in Bangalore and New York Cities : A Comparative Study by ISEC & Univ. of Wisconsin, USA	Dr. Krishna Raj & Dr. David Soll, Univ of Wisconsin, USA
6	A Comprehensive Study on the Status of Scheduled Castes (SCs) in Karnataka, Sponsored by The Planning, Programme Monitoring & Statistics Dept, GoK.	Dr. Manohar Yadav & Dr S Madheswaran
7	<b>Main theme:</b> India and Globalisation:Regional Disparities, Industrial Development and Inclusive Growth in India: <b>Sub-theme:</b> Role of services sector in generating income and employment in India	Dr. Meenakshi Rajeev, Dr. R.S. Deshpande & Dr. Sunil Nautiyal
8	Tariff Fixation for the Bangalore Metro Rail Project, sponsoring Bangalore Metro Rail Corporation Ltd (BMRCL).	Dr. Barun Deb Pal & Ms. B P Vani
9	Financial Exclusion in Urban Regions: A Case Study of Karnataka, Sponsoring agency: CAFRAL, RBI, Mumbai	Dr. Meenakshi Rajeev & Ms B P Vani
10	Evaluation study on the impact and advantages of the various services with a particular focus on the Helpdesk initiated by KSNDMC.	Dr Aditya Chavali & Dr V. Ramaswamy.
11	Third Party Evaluation Study of VGST Programs, sponsored by Vision Group on Science and Technology (Dept. of IT, BT & S&T, GoK).	Dr. Aditya Chavali
12	Evaluation Study of Saakshar Bharath Program in Karnataka, sponsored by Directorate of Mass Education, GoK.	Dr. Aditya Chavali & Dr. V Ramaswamy

13	Trade facilitation and trade performance: An appraisal in the context of India Select SEZs.	Dr. Malini L Tantri
14	Evaluation of State Finances [Sponsored by Govt. of India, 14 <sup>th</sup> Finance Commission].	Dr K Gayithri
15	Livelihood Security through Financial Access (An Assessment of VIRF-IDF Poverty Alleviation Initiative: Sponsored by Vattikutti India Foundation.	Dr Veerasekharappa & Ms B P Vani
16	New Dimensions of Rural Indebtedness in India	Ms. B P Vani
17	Child Poverty Across Socio-Economic Groups in India	Ms. B P Vani
18	Status of Women in Karnataka – A Monograh	Ms. B P Vani, Dr. K G Gayathri Devi & Dr Lekha Subaiya
19	Health Insurance for the Poor and Elderly: Is RSBY the Answer	Dr. Meenakshi Rajeev

## SEMINARS, CONFERENCES, WORKSHOPS AND TRAINING PROGRAMMES ORGANISED/COORDINATED BY CESP (2009-2013)

Sl. No.	Title of the Training Programmes/Workshops	Sponsored by In association with	Dates
1.	Economy of Tomorrow : Seminar on “Financing Development : State and the Market” (Dr. K Gayithri)	ISEC & Friedrich Ebert Stiftung, New Delhi	Nov. 28-29, 2013
2.	CIDA - BYID, Canada Intern Programme [Dr. K Gayithri with Dr. Malini L. Tantri)	CIDA, SEZ & ISEC	Jul. 2013 Jan. 2014
3.	Training Course in “Applied Econometrics Training Programme for ISS Probationer Officers” (Ms. Vani B P & Dr S Madheswaran)	Centre for Economic Studies & Policy with ISEC	Aug. 05-16, 2013
4.	Training Course in “Applied Econometrics Training Programme for ISS Probationer Officers” (Ms. Vani B P and Dr S Madheswaran)	Ministry of Statistics & Programme Implementation (National Academy of Statistical Administration) <i>Central Statistical Organisation, Gol.</i>	Aug. 13-24 2013
5.	A workshop on input output analysis had been organised at ISEC (Dr. Meenakshi Rajeev)	NCAER, New Delhi	Mar. 21-24, March 2013.
6.	Coordinated “Special Dissemination Exercise of the Reserve Bank of India” (Dr. Meenakshi Rajeev)	RBI, Mumbai & ISEC	March 25, 2013
7.	Workshop on “Input Output Analysis” (Dr. Meenakshi Rajeev)	ISEC	Mar. 21-24, 2013
8.	Training Program Lectures by Dr. Stanley Winer, Carleton University, Ottawa (Dr. K Gayithri)	Shastri Visiting Lecturer Grant with ISEC	Jan. 28 to Mar. 3, 2013

9.	Conducted "Applied Econometrics" Training for Indian Statistical Officers [ISS] [Dr. S. Madheswaran].		August 2012
10.	ISS Refresher Course in Econometrics [Ms. Vani B P and Dr S Madheswaran].	Ministry of Statistics & Programme Implementation (National Academy of Statistical Administration) <i>Central Statistical Organisation Gol.</i>	Nov. 14-28, 2011
11.	Workshop on Vision of Karnataka for the Approach Paper to the 12 <sup>th</sup> Five-Year Plan(Meenakshi Rajeev)	State Planning Bard, Government of Karnataka	May 30-31, 2011
12.	Workshop on Evolving Strategies to Ensure Faster Economic Growth in Karnataka :(Meenakshi Rajeev)	Federation of Karnataka Chambers of Commerce and Industries (FKCCI)	April 7, 2011
13.	Development Convention :(A joint endeavour of the Social Sciences Institutes situated in South-India funded by ICSSR) [Meenakshi Rajeev, K S James and Manohar Yadav].	ICSSR	January 2011
14.	Trade Possibilities between Poland and India(Meenakshi Rajeev)	FKCCI, Bangalore and Centre for Contemporary India Research and Studies, Institute of International Relations, the University of Warsaw	Dec. 8, 2010
15.	Round Table Discussion on Indo-EU Trade (Meenakshi Rajeev)	FKCCI, Bangalore and Centre for Contemporary India Research and Studies, Institute of International Relations, the University of Warsaw	Oct. 19, 2010
16.	Two days International Seminar on Global Relationships in Indian Perspective	ICSSR-NWO	Jun. 22-23, 2010
17.	Training Course on "Econometric Methods and Applications using STATA" [Data Analysis and Statistical Software]	ICRISAT, Patancheru	May 25-31, 2010
18.	Role of Economics in Societal Change [Dr. Krishna Raj]	Jointly with Don Basco Institute of Technology and ISEC, Bangalore	Nov. 3, 2009
19.	Farm Sector in Karnataka: Farmers' Indebtedness and Risk Management [Meenakshi Rajeev and B P Vani.]	State Planning Board, Government of Karnataka	June 23, 2009
20.	Training Programme on "Econometric Methods & Applications" for Senior IES Officers of Govt. of India: [The training programme has been rated as Excellent.]	ISEC	Mar. 1-27, 2009

## CESP FACULTY

Sl. No.	Name of the Faculty	Area of Specialization/Research interest
1.	Prof. M.R. Narayana Professor and Head mrn@isec.ac.in mrnarayana@yahoo.com	Macroeconomics; Urban and Regional Economics; Applied quantitative methods; Economics of education finance; Economics of Information Technology and Telecom Services
2.	Prof. Meenakshi Rajeev Professor	Banking and credit related issues; Issues related to Development Economics [game theoretic modelling]; meenakshi@isec.ac.in Industrial Economics; Labour Relations.
3.	Prof. S. Madheswaran Professor madhes@isec.ac.in	Economics of Labour; Economics of Education; Environmental Economics; Public Policy [Monitoring & Evaluation]; Applied Econometrics.
4.	Dr. K. Gayithri Associate Professor gayithri@isec.ac.in	Public Economics: Expenditure Planning and Management: Fiscal Policy analysis, Program Performance Budgeting and Measurement of Performance; Industrial Economics: Industrial Policy, Industrial Subsidies and Tax concessions; Development Economics; Public Policy Studies.
5.	Dr. Veerashekharappa Associate Professor vsa@isec.ac.in shekar47@yahoo.com	Development Economics-Institutional Finance and Labour Economics.
6.	Dr. Krishna Raj krishnaraj@isec.ac.in krishnarajisec@yahoo.co.uk	Environmental, Ecological and Resource Economics; Ecosystem Services of Common Property Resources: Forests and Water; Economic, Environmental and Institutional aspects of Forests and Water Conservation and Management; Urban Water Supply and Management (Bangalore City); Ecotourism in Protected Areas (Economic Valuation of biodiversity); Economic Instruments for Environmental Conservation.
7.	Ms. B.P. Vani Assistant Professor vani@isec.ac.in	Applied Quantitative Methods; Poverty and Income Distribution
8.	Dr. Malini L. Tantri malini@isec.ac.in malinit@gmail.com	Trade and development: Trade policy and trade facilitation; India China studies; Special Economic Zones; Agricultural trade
9.	Dr. B D Pal bdpal@isec.ac.in	Macroeconomic policy impact analysis with the help of Input-Output modelling, CGE Modelling and econometrics application; Climate Change Policy Analysis; Land Use Planning model for Agriculture.

## STUDENTS AWARDED PhD (2009-2013)

Sl. No.	Name of the Student	Topic of Ph D	Year of Award	Supervisor
1	Dr. H P Mahesh	Impact of Financial Sector Reforms on Commercial Banks in India: Deposits, Credit and Efficiency	2009	Prof. Meenakshi Rajeev
2	Dr. Lija Ramachandran K.	Impact of International Trade Agreements on Performance of India's Foreign Trade: An Empirical Study	2009	Prof. M.R. Narayana
3	Dr. Ashish Dash	Provisioning and Pricing of Telecommunication Services in India: An Empirical Analysis during Post-Reform Years	2009	Prof. M.R. Narayana
4	Dr. Subir Sen	Financial Liberalisation and Regulation in India: A Study of the Insurance Industry	2010	Prof. S. Madheswaran
5	Dr. Somashekar T S	Performance and Regulation of Mutual Funds in India: An Economic Analysis	2010	Prof. S. Madheswaran
6	Dr. Sabuj Kumar Mandal	Energy and Productivity Growth: A Study of Indian Cement Industry	2010	Dr. S. Madheswaran
7	Dr. Naveen Kumar K	Micro-finance Institutions in Karnataka: An Analysis of Sustainability and Impact of Credit Plus Services	2010	Dr. Veerashekarappa
8	Dr. Mainak Majumdar	Performance of Pharmaceutical Companies in India: A Critical Analysis of Industrial Structure, Firm Specific Recourses and Emerging Strategies	2011	Prof. Meenakshi Rajeev
9	Dr. Pratheeba J	Fiscal Reforms and Government Financing of Health Care in India	2011	Dr. K Gayithri
10	Dr. Durba Biswas	Economic Valuation of Irrigation Water using Stated Preference Method: A Case Study of Malaprabha Basin, Karnataka, India	2011	Dr. Krishna Raj (Co-guide)
11	Dr. Rajdeep Singha.	Multinational Corporations and Spillover Effects in the Indian Engineering Industries	2011	Dr. K Gayithri
12	Dr. Jagannath Mallick	Private Investment and Economic Growth in India: An Empirical Analysis	2011	Dr. M R Narayana

13	Dr. Indrajit Bairagya	Economic Performance of Informal Sector during Liberalisation Period: An Empirical Study of India	2012	Prof. M R Narayana
14	Manojt Battachrajee	Indebtedness in the Household Sector: A Study of Selected States in India	2012	Dr. Meenakshi Rajeev
15	Prashobhan Palakkeel	Monetary Policy Transmission: Significance and Sectoral Impact of Channels in Indian Economy	2013	Dr. Meenakshi Rajeev
16	Dr. Sabyasachi Tripati	Urban Agglomeration and Urban Economic Growth in India: An Empirical Study	2013	Prof. M R Narayana

### PhD STUDENTS ON ROLL

Sl. No.	Name of the Student	Topic of Ph D	Year of Joining	Supervisor
1	Mr. Avishek Chanda	An Empirical Study on Measurement of Efficiency, Productivity and Competitiveness of Small Scale Industries in India	2009	Prof. M R Narayana
2	Mr. Amit Kumar Sahoo	Health Care Utilisation and Financial Protection: The Role of Health Insurance	2009	Prof. S Madheswaran
3	Ms. Moumita Das (Sociology)	Culture of Health Care in Urban Slums: A Comparative Study of Two Metropolitan Cities in India - Kolkata and Bangalore	2009	Dr. Krishna Raj (Co-guide)
4	Ms. Chandara K	Urban Governance and Public Health in the Urban Slums of Bangalore City	2009	Dr. Krishna Raj (Co-guide)
5	Mr. Nagesha	Public-Private Partnerships (PPPs) in the Promotion of Infrastructure in India: An Empirical Study of India	2009	Dr. K Gayithri
6	Ms Mini Thomas P	Service Sector and Economic Growth in India with Special Reference to International Trade in Services: An Empirical Study	2010	Prof. M R Narayana
7	Mr. Krishanu Pradhan	Sustainability of India's Fiscal Policy: An Empirical Study	2010	Prof. M R Narayana

8	Ms. Sumedha Bajar	Infrastructure and Economic Growth: Evidence from India	2010	Prof. Meenakshi Rajeev
9	Ms. Veena Renjini	Determinants of Trade Performance: A Post - WTO Analysis of Fisheries Sector in India	2010	Dr. Krishna Raj
10	Mr. Tarun Arora	International Trade Competitiveness of the Indian Textile Industry: An Empirical Study	2011	Prof. M R Narayana
11	Ms. Tulika Bhattacharya	Measuring Linkages to identify Key Economic Sectors in India: An Input-Output Analysis	2011	Prof. Meenakshi Rajeev
13	Ms. Smrutirekha Singari	Labour Market Discrimination in India: An Econometric Analysis	2011	Prof. S Madheswaran
14	Mr. Anantha Ramu M R	Impact of Fiscal Deficit on Select Macroeconomic Variables: Evidence from India	2011	Dr. K Gayithri
15	Mr. Appa Rao Kasa	Budget Incidence in Karnataka	2011	Dr. K Gayithri
16	Mr Ramanjini	Loan Financing of Higher Education: Financial Efficiency and Labor Market Outcomes	2011	Dr K Gayithri
17	Ms Laxmi Rajkumari	Power Sector Reforms: Case of Karnataka	2012	Dr K Gayithri
18	Ms Rosa Alphonsa Abraham	Exploring Linkages between Informal Employment and Distributional Outcomes	2012	Prof M R Narayana
19	Ms Soumita Khan	Energy Usage in the Manufacturing Sector: A Study of Fertilizer Industry	2012	Prof Meenakshi Rajeev
20	Ms Sovna Mohanty	Economic Growth and Income Distribution under Economic Globalisation: Empirical Evidence from India	2012	Prof M R Narayana
21	Mr Amit Kumar	An Economic Analysis of Returns from Migration: Development Perspective	2013	Prof M R Narayana
23	Mr Dhananjaya K	The Impact of the Growth of Organised Retail Sector on Unorganised Retail Sector in Karnataka	2013	Dr. Krishna Raj

24	Ms Shikha S	Populations in Transit: A Proposal to Study India's Seasonal Migrants	2013	Prof Meenakshi Rajeev
25	Ms Darshini J S	Corporate Social Responsibility and Human Capital Development: A Case Study	2013	Dr. K Gayithri
26	Ms Kavya Shree K	A Two Decade (1992-2012) Economic Analysis of Fiscal Decentralisation: A Case Study of Karnataka	2013	Dr. Krishna Raj

## COLLABORATIONS

Faculty members of the Centre have collaborated in several studies with national and international Institutions like: University of California, Berkeley (USA), East-West Centre, Honolulu, Hawaii (USA), The University of Tokyo, Tokyo (Japan), The Stanford Centre for International Development, Stanford, The World Bank, Princeton University, USA, Indian Institute of Dalit Studies, NewDelhi, Nihon University, Tokyo, Norwegian Institute for International Affairs, IREDU, University of Bourgogne, France, USAID, Department for International Development (DFID).

## POLICY INTERFACE

Over years the faculty members of the Centre have provided strong support in policy formulation at the State and Central level. The report of the Task Force on Higher Education, Government of Karnataka and that of the Core Group of Experts on Design of New Industrial Policy 2006-2011 was contributed by the faculty of the Centre. The Faculty members of the CESP also help the Department of Industries and Commerce, Government of Karnataka in preparing many policy issues as well as to the State Resource Group for TQM/HRD. Ministry of Commerce and Industry, Government of India and the Census on Micro, Small and Medium Enterprises, Directorate of Industries and Commerce have received the policy related suggestions from the studies conducted at the Centre. Minimum Wage committee has an expert from our faculty and the Value Added Tax policy of the Government of Karnataka received inputs on the structure of the scheme from our faculty members. The Environmental Status Report for Bangalore City-2009 received significant contributions from the faculty members of the centre.

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