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## ***Report of the Secretary*** (October 25, 2013)

I welcome you all to the general Body Meeting of the Forum for Global Knowledge Sharing (Knowledge Forum).

Before presenting the report I would like to place the Condolence Resolution on the death of Professor P V Indiresan. This resolution was passed by the Governing Council by circulation.

### **Report on activities: Since April 2012**

Since April 2012 we have made considerable progress in publications. We have added about 27 new research papers in our “*Research Papers*” folder. In addition we have also added a new folder “*Case Studies*” containing seven case studies. We also have two volumes published this year. **Springer** has brought out a volume on *Human Capital and Development* containing select papers presented at our 2010 conference held at IIT Bombay. In addition the *Routledge* journal, *Innovation and Development* has brought out a special issue of the journal ***Innovation and global competitiveness: case of India’s manufacturing sector*** containing select papers presented at our VII Annual Conference held in Pune. This year 18 scholars became members of the Forum.

I wish to place on record our sincere thanks to eSocialSciences and in particular to its editor Dr. Padma Prakash, for hosting and maintaining our website and for helping us in our academic activities

### ***Conferences Organised Since April 2012***

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#### **Seventh Annual Conference: “*Technology Intensity and Global Competitiveness*” (Symbiosis International University, Pune November 30 – 2<sup>nd</sup> December, 2012)**

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The Seventh Annual Conference was hosted by the Symbiosis International University Pune, and the conference was held at their Lavale campus. About 67 scholars registered and participated in the conference. In addition to Knowledge Forum members, scholars from Symbiosis International University also presented papers and participated in the discussions. In the Introductory Session on November 30, two volumes based on sets of select papers presented at the 2010 Annual Conference were released. The first was a book published by **Springer** (“*Human Capital and Development: The Indian Experience*” and the second set published in

the special issue of the journal, *Contributions to Indian Social Science*. On December 1, 2012 the web version of the special issue of the journal *Science, Technology and Society* containing select papers from the 2011 Goa conference was released.

Papers were presented in the 2012 Annual Conference in the following technical sessions:

- I. Technology and Internationalisation - Chair/Discussant: Y. S. Rajan (ISRO)
- II. Technology and Global Operations – Auto Sector - Chair/Discussant: Ashok Jain (Former Director NISTAD)
- III. Technology and Global Operations – Pharmaceuticals - Chair/Discussant: N. S. Siddharthan (Hon. Director, Knowledge Forum)
- IV. Technology and Global Operations - Other Sectors - B. L. Pandit (DSE)
- V. Socio-Economic Issues - Chair/Discussant: S. R. Hashim President, Knowledge Forum)
- VI. Studies on Pollution and Environmental Regulations - Chair/Discussant: T. P. Singh (SIU)
- VII. Technology and Export Orientation: SMEs - Jyoti Chandiramani (SIU)

Following Scholars from Symbiosis International University acted as Rapporteurs:

- Akshay Malhotra, Viswas Purohit, Rupali Nagar, Brajesh Pandey, Himanshu Agrawal, Medha Dhande, Anindita Ghosh.

The following papers were presented:

1. Filip De Beule and Dieter Somers (Lessius University College, Antwerp, Belgium), “The Reasons for and Impact of the Internationalization of Research and Development: The Case of Indian Multinationals”.
2. Françoise Pardos (Pardos Marketing, Paris), “Technology Intensity and Innovations in the next Thirty Years”.
3. A. S. Rao, “INDIA: a *fab-less* wonder: Case of SMDP”.
4. G. D. Sandhya (NISTAD, New Delhi) “Role of S&T and Innovation Policies in Transforming the National Innovation System in China: Lessons for India”.
5. Neelam Singh (Economics Department, Lady Shri Ram College, Delhi University, Delhi), “Technological Efforts and Global Operations: Indian Auto Component Firms”.
6. Rahul Z. More and Karuna Jain, (SJM School of Management, IIT Bombay, Mumbai), “Innovation and Competitiveness among the Firms in the Automobile Cluster in Pune”.
7. B. S. Sangha (Institute for Autoparts and Hand Tools Technology, Ludhiana), T. P. Singh (Symbiosis International University, Pune) and Ajay Batish (Mechanical Engineering Department, Thapar University, Patiala), “An Assessment of Regional Innovation System among Small Scale Auto Parts Industry of Punjab, India”.
8. Bishwanath Goldar (IEG & CITD, JNU, Delhi), “R&D Intensity and Exports: A Study of Indian Pharmaceutical Firms”.
9. Vidhisha Vyas, K. Narayanan, and A. Ramanathan, (Department of H&SS, IIT Bombay, Mumbai), “Mergers & Acquisitions, Technological Efforts and Exports: A Study of Pharmaceutical Sector in India”.

10. Pradeep Kumar Keshari (IDBI Bank, New Delhi), “Technological Determinants of Competitive Advantage in the Indian Machinery Industry”.
11. Ronny Thomas and K. Narayanan (Department of H&SS, IIT Bombay, Mumbai), “Productivity Heterogeneity and Exports: A Study of Indian Manufacturing Industries”.
12. Narayan R. Pisharoty (Symbiosis Institute of Technology, Pune), “Analysis of Electronics Industry Recommendations and the Growth Aimed Policy Announced Recently by GOI”.
13. Arup Mitra (IEG, Delhi) and Chandan Sharma (Department of Economics, NIFM, Faridabad), “Technology Intensity and Global Competitiveness: Issues in Labour Cost and Employment”.
14. Bino Paul G. D. (TISS, Mumbai), A. P. Achar (Sahydari College of Engineering and Management, Mangalore), and Krishna M. (Tata Institute of Social Sciences, Hyderabad), “What Makes Micro Enterprises Perform in a Jewellery Cluster? Seeing Space for Computer Aided Designing (CAD)”.
15. Rajesh Panda , (Symbiosis Institute of Business Management, Pune), “Globalised India and Challenges for Sustainable Growth”
16. Nivedita Dutta and K. Narayanan (Department of H&SS, IIT Bombay, Mumbai), “Econometric Estimation of Technical and Environmental Efficiency: An Application to Chemical Industry in and around Mumbai”.
17. Santosh Kumar Sahu and K. Narayanan (Department of H&SS, IIT Bombay, Mumbai), “CO<sub>2</sub> Emission from Fossil Fuel Consumption and Technology Intensity: A Study of Indian Manufacturing Industries”.
18. Arundhati Warke, Viswas Purohit (Symbiosis Institute of Technology, Pune), and Sanjeevani Shah (Smt. Kashibai Navale College of Engineering, Pune), “Statistical Analysis of Removal of Moisture from Bagase by Microwave Heating”.
19. Jaya Prakash Pradhan (Central University of Gujarat) and Keshab Das (GSID, Ahmadabad), “Exports by Indian Manufacturing SMEs Regional Patterns and Determinants”.
20. Kaushalesh Lal (Society for Development Studies, Delhi and MERIT, The Netherlands) and Shampa Paul (Institute of Development and Environmental Applied Studies, NOIDA), “Export Orientation and Firms’ Policy during Global Economic Slowdown”.

In addition to the technical sessions the conference also had a **Panel Discussion** on *Interaction between Technology, Energy and Environment*. It was Chaired by K Narayanan. The Following panellists took part:

- Prof. Milind V. Rane, Department of Mechanical Engineering, IIT Bombay, Mumbai
- Prof. Bharat Bhushan, YASHADA, Pune
- Prof. Neetin Desai, D. Y. Patil University, Navi Mumbai
- Dr. A. R. Supate, Principle Scientific Officer, MPCB, Mumbai

Select papers from the conference has been published in the special issue of the *Routledge* journal *Innovation and Development*.

I am happy that our General Body is meeting now during the Eighth Annual Conference on *Emerging Technologies and Development* at IIT Bombay. We would like to thank VLIR-

UOS, the Development Cooperation of the Flemish Interuniversity Council for its financial support in organizing this conference. I would like to place on record our gratitude and thanks to our Governing Council Member Professor Filip De Beule for the enormous effort he had put-in under very difficult conditions – financial crisis, economic downturn and budget cuts, to obtain funding for this conference from *VLIR-UOS* Belgium. But for his persistence and monitoring at every stage this would not have been possible. A huge thanks to Filip. I am indebted to IIT Bombay and in particular to the Department of Humanities and Social Sciences for hosting the conference. Since he took over as the convenor of conferences, Professor Narayanan has established a very high standard in organising our annual conferences and every year he is exceeding our expectations. My congratulations. The conference volume cover page, banners and posters were designed by Dr. Santosh Kumar Sahu. My thanks to him for a job well done. I express my gratitude to Professor S R Hashim for his constant support and encouragement.

### **Research Papers**

Since April 2012 we have added about 27 papers to our *Research Papers* folder of the website. In addition we have also added an additional folder on *Case Studies*. I appeal to members to regularly contribute research papers to these folders. Papers posted in our *Research Papers* folder are covered by google search. They are also covered by google citation index. The papers posted in our folder have already received several citations. Furthermore, eSocialSciences <http://www.esocialsciences.com> has also been giving wide publicity to our papers and programmes. They have also given a link to our website. Currently they are also hosting our website. Our sincere thanks to Dr. Padma Prakash.

### **Financial Position and Audited Statement**

As you can see from our audit statement, we have invested the entire membership fee (including corporate members) in fixed deposits. We now have about Rs.5,69,252 in fixed deposits. Last year interest from fixed deposits came to only about 55,000 rupees. Therefore for holding our annual conferences we have to depend on external sources of finance. The current conference has been funded by K U Leuven Belgium. The money was transferred directly to IIT. For our next conference we need to look for funding agencies. Any help in this matter from members of the Governing Council and General Body will be appreciated. I appeal to the members of the General Body to help us in this fund mobilising endeavour.

N S Siddharthan

Hon. Secretary

October 17, 2013.

## List of Research Papers since April 2012

Author *	Title	Date Posted
Santosh Kumar Sahu	<a href="#">Exports and Participation in Clean Development Mechanism [CDM] in Technology Intensive Industries in India</a>	16-OCT-13
K. Narayanan	<a href="#">Outward FDI, Firm Heterogeneity and Technological Efforts: A Study of Indian Manufacturing</a>	16-OCT-13
Pradeep Kumar Keshari	<a href="#">Role of Technological and Knowledge Resources and Capabilities in Firms Decision to Export</a>	12-OCT-13
Jaya Prakash Pradhan	<a href="#">The Geography of Patenting in India</a>	12-OCT-13
Filip De Beule	<a href="#">Is acquiring knowledge a good idea? Innovative capabilities of Indian companies in cross-border acquisitions</a>	09-OCT-13
Arup Mitra	<a href="#">Total Factor Productivity and Technical Efficiency of Indian Manufacturing: The Role of Infrastructure and Information &amp; Communication Technology</a>	20-AUG-13
Vinish	<a href="#">Do policies influence FDI in wind energy? Analysis across Indian states</a>	19-AUG-13
K. Lal	<a href="#">Institutions and Innovation</a>	15-AUG-13
Ruchi	<a href="#">Innovation by firms in high and medium-high technology industries: an Indian experience</a>	12-AUG-13
Bishwanath Goldar	<a href="#">Direction of Outward FDI of Indian Manufacturing Firms: Influence of Technology and Firm Productivity</a>	12-AUG-13
Subash Sasidharan	<a href="#">Financing Constraints and Investments in R&amp;D: Evidence from Indian Manufacturing Firms</a>	07-JUN-13
K. Narayanan	<a href="#">Econometric Estimation of Technical and Environmental Efficiency: An Application to Chemical Industry in and around Mumbai</a>	21-NOV-12
K. Narayanan	<a href="#">Mergers &amp; Acquisitions, Technological Efforts and Exports: A Study of Pharmaceutical Sector in India</a>	21-NOV-12
Santosh Kumar Sahu	<a href="#">CO2 Emission from Fossil Fuel Consumption and Technology Intensity: A Study of Indian Manufacturing Industries</a>	21-NOV-12
Karuna Jain	<a href="#">Innovation and Competitiveness among the Firms in the Automobile Cluster in Pune</a>	16-NOV-12
K. Narayanan	<a href="#">Productivity Heterogeneity and Exports: A Study of Indian Manufacturing Industries</a>	16-NOV-12
Pardos	<a href="#">Technology intensity and innovations in the next thirty years</a>	15-NOV-12
Bishwanath Goldar	<a href="#">R&amp;D intensity exports: A study of Indian pharmaceutical firms</a>	14-NOV-12
Bino Paul	<a href="#">What makes micro enterprises perform in a jewellery cluster? Seeing space for Computer Aided Designing (CAD)</a>	08-NOV-12
Filip De Beule	<a href="#">The Reasons for and Impact of the Internationalization of Research and Development: The Case of Indian Multinationals.</a>	08-NOV-12
G D Sandhya	<a href="#">Role of S&amp;T and Innovation policies in transforming the National Innovation System in China: Lessons for India</a>	08-OCT-12
Jaya Prakash Pradhan	<a href="#">Exports by Indian Manufacturing SMEs Regional Patterns and Determinants</a>	06-OCT-12
Pradeep Kumar Keshari	<a href="#">Technological determinants of competitive advantage in the indian machinery industry</a>	26-SEP-12
A.S.Rao	<a href="#">INDIA: a fab-less wonder: case of SMDP</a>	26-SEP-12

Neelam Singh	<a href="#">Technological Efforts and Global Operations: Indian Auto Component Firms</a>	31-AUG-12
K. Lal	<a href="#">Export Orientation and Firms Policy during Global Economic Slowdown</a>	24-AUG-12
Arup Mitra	<a href="#">Technology Intensity and Global Competitiveness: Issues in Labour Cost and Employment</a>	16-AUG-12
Xiaolan Fu	<a href="#">Intra- and Inter-national University-Industry Linkage and Innovation in Emerging Economies: Evidence from China</a>	18-JUN-12

### **New Members Since April 2012**

1. Ruchi Sharma, IIT Delhi
2. S. Sarangan, Scientist, Bangalore
3. J S A Bhat, DST
4. Manoj Singh, Chandel Agritech Solutions Pvt. Ltd, Delhi
5. Neetin Desai, Pad. Dr. D.Y. Patil University, Navi Mumbai
6. Vidhisha Vyas, IIT Bombay
7. Bharat Bhushan, Yashwantrao Chavan Academy of Development Administration, Pune
8. Shampa Paul, Society for Development Studies, Delhi
9. M Parameswaran, CDS, Trivandrum
10. Sujit Bhattacharya. NISTADS, CSIR, Delhi
11. Biswajit Dhar, RIS, Delhi
12. Anup Kumar Das, JNU
13. Jyoti Chandramani, Symbiosis College of Arts and Commerce – Pune
14. Avantika Singh, Central University, Rajasthan
15. Dev Nathan, IHD, Delhi
16. Chandan Sharma, IIM Lucknow
17. Pritish K. Sahu, Multimedia University, Malaysia