

## Curriculum Vitae

of

### **SANJAY KUMAR SINGH**

Professor of Economics & Business Environment

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<http://scholar.google.co.in/citations?user=fViMyT8AAAAJ&hl=en&oi=ao>

### **Current Position**

Professor, Business Environment Area

### **Teaching Interests**

Managerial Economics, Industrial Economics, Economics of Regulation, Macroeconomic Environment

### **Research Interests**

Transport Economics and Transport Policy, Energy and Environment, Infrastructure, Industrial Organization and Regulation

### **Awards and Scholarships**

- Recipient of the **NASI-SCOPUS Young Scientist Award** in the area of **Social Sciences** for the year **2014**. The award is instituted by Scopus (Elsevier) and the *National Academy of Sciences of India* and given in nine categories with cash prize of Rs. 75,000 in each category.
- Recipient of the **ICBM-AMP Academic Excellence Awards 2017** in the category of '**Best Professor in Economics**'. The award ceremony was held on Dec. 16, 2017 in Hyderabad, India.
- Recipient of the **Outstanding Scientist Award** (<http://www.venusinfo.org/ra15/Sanjay.html>) for the contribution and achievement in the field of **Development Studies**. The award is instituted by the Venus International Foundation (<http://venusinfo.org/>). The award ceremony was held on Dec. 19, 2015 in Chennai, India.
- One of the four finalists at the National level for the **NASI-SCOPUS Young Scientist Award** in the area of **Social Sciences** for the year **2012**.
- **Marquis Who's Who in the World 2011** (<http://www.marquiswhoswho.com/listees/publications/whos-who-in-the-world-2011>).
- **Manas Chatterji Award for Excellence in Research in Regional Science** – Received this award during the Regional Science Association International (RSAI) Symposium held at the Indian Institute of Management Bangalore

during Jan. 6-8, 2006. This award is instituted by Dr. Manas Chatterji, Professor of Management, School of Management, Binghamton University (State University of New York), Binghamton, NY on behalf of Regional Science Association - Indian Section.

- **Best Article of the Year Award** – My first research paper on “State Road Transport Undertakings, 1983-84 to 1996-97: A Multilateral Comparison of Total Factor Productivity” that appeared in May 2000 issue of the *Indian Journal of Transport Management* was awarded as the Best Article of the Year 2000. The Association of State Road Transport Undertakings gives this award.
- **Ph.D. Scholarship** – IGIDR Mumbai, 1997 - 2001.
- **National Scholarship and Merit Scholarship** – IET Lucknow, 1991 - 1995.

### Education

**Ph.D. in Development Studies / Economics**

**Indira Gandhi Institute of Development Research** Mumbai, India; 2003

**Post Graduate Diploma in Thermal Power Plant Engineering**

**National Power Training Institute** Durgapur, India; 1997

**Bachelor of Technology in Electrical Engineering**

**Institute of Engineering & Technology** Lucknow, India; 1995

### Academic Experience

- **Professor (Economics)** 12/13 - Present  
Business Environment Area  
Indian Institute of Management Lucknow, India  
Basic Pay: Rs. 184,000 in 14A  
This position involves teaching, research, and consultancy work in the area of economics and business environment.
- **Associate Professor (Economics)** 02/08 - 12/13  
Business Environment Area  
Indian Institute of Management Lucknow, India  
This position involves teaching, research, and consultancy work in the area of economics and business environment.
- **Assistant Professor (Economics)** 12/03 – 02/08  
Department of Humanities and Social Sciences  
Indian Institute of Technology Kanpur, India  
This position primarily involved teaching, research, and consultancy work in the area of economics.
- **Assistant Professor (Economics)** 10/03 – 12/03  
XLRI Jamshedpur, India  
This position mainly involved teaching work in the area of economics particularly managerial economics.

- **Member of Faculty & Coordinator of Centre for Transport Policy and Economics** 02/01 – 10/03  
Central Institute of Road Transport Pune, India  
This position involved coordination of the activities of the Centre for Transport Policy and Economics besides carrying out research & consultancy work and conducting training programmes in the areas related to transport economics, managerial economics and public policy.
- **Research Assistant** 11/00 – 02/01  
Prof. Jyoti K. Parikh at IGIDR, Mumbai  
This position primarily involved literature survey, data analysis, and econometric modelling for Indian energy sector.
- **Research Assistant** 10/99 – 11/00  
Prof. Jyoti K. Parikh and Dr. Anjana Das at IGIDR, Mumbai  
Provided research assistance for a project on *Urban Transport Sector Environmental Emission Mitigation* sponsored by Asian Institute of Technology (AIT) Bangkok.  
This position involved literature survey, data analysis, and running LEAP as well as econometric models.
- **Research Assistant** 08/98 – 10/99  
Prof. Kirit S. Parikh and Prof. Jyoti K. Parikh at IGIDR, Mumbai  
Provided research assistance for a project on *The Restructuring of SEBs* sponsored by Finance Commission of India.  
This position involved literature survey, data collection, productivity and efficiency analysis, and critical review of financial and pricing issues related to SEBs. Applied Econometric tools were extensively used for the analyses.

#### **Administrative Experience**

- Member, International Accreditation Committee, IIM Lucknow: April 2014 - Present.
- Chairman, Post Graduate Programme, IIM Lucknow: April 2014 - April 2016.
- Chairman, International Accreditation Committee, IIM Lucknow: Nov. 2010 - April 2014.
- Member, Task Force, IIM Kashipur: Jan. 2011 - June 2012.
- Chairman, Financial Aid & International Linkages, IIM Lucknow: Sept. 2010 - April 2014.
- Chairman, Research Strategy and Policy, IIM Lucknow: 2009/10 - 2013/14.
- Chairman, Part-Time Housekeeping and Maintenance Committee, IIM Lucknow: 2009-10.
- Warden, Hall of Residence IV, IIT Kanpur: Feb. 2005 - Feb. 2008.

- Member, Executive Committee, Association for Transport Development in India (ATDI): 2006-08.
- Convener, Economics Discipline, Department of HSS, IIT Kanpur: 2007-08.
- Member, Department Undergraduate Committee (DUGC), Department of HSS, IIT Kanpur: 2006-07.
- Member and Treasurer, Executive Committee, Faculty Forum, IIT Kanpur: Feb. 2006 - Jan. 2007.
- Member, Academic Senate, IIT Kanpur: Dec. 2005 - Dec. 2006.
- Convener, Department Undergraduate Committee (DUGC) and Member, Senate Undergraduate Committee (SUGC), IIT Kanpur: 2005-06.
- Member Secretary, Standing Committee (Financial Management), Association of State Road Transport Undertakings (ASRTU): April 2001 - Oct. 2003.
- Member Secretary, Centre for Transport Policy and Economics (CTPE) Monitoring Committee, Central Institute of Road Transport (CIRT) Pune, India: Feb. 2001 - Oct. 2003.
- Coordinator, Centre for Transport Policy and Economics, Central Institute of Road Transport Pune, India: Feb. 2001 - Oct. 2003.

## **Publications**

### **Books**

Singh S. K. (2010), "*Productivity and Efficiency in State Transport Undertakings in India*", VDM Verlag Dr. Muller Publisher, Germany.

Singh S. K. (2006), "*Productivity, Cost Structure, and Pricing in Urban Bus Transport*", Amani International Publishers, Kiel, Germany.

### **Journal Articles**

Singh S.K. (2017), "Efficiency of Urban Bus Companies in India: A Stochastic Frontier Analysis", *Theoretical Economics Letters*, 7: 1925-1939.

Singh S. K. (2017), "Optimal Pricing: Theory and Application to Publicly Supplied Bus Transport Services", *International Journal of Economic Research*, 14(8): 373-395.

Singh S. K. (2017), "Road Traffic Accidents in India: Issues and Challenges", *Transportation Research Procedia*, 25: 4712-4723.

Verma A., S. Velmurugan, Singh S. K., et al. (2017), "Indian auto-mobility 2020: A perceptive picture", *Transportation Research Procedia*, 25: 4932-4945.

Singh, S.K. and Jha, A.P. (2017), "Efficiency and Effectiveness of State Transport Undertakings in India: A DEA Approach", *Theoretical Economics Letters*, 7: 1646-1659.

Singh S. K. (2016), "Assessment of Passenger Satisfaction with Public Bus Transport Services: A Case Study of Lucknow City (India)", *Studies in Business and Economics*, 11(3): 67-83.107-127.

Monika Gupta and Singh S. K. (2016), "Factorizing the Changes in CO<sub>2</sub> emissions from Indian Road Passenger Transport: A Decomposition Analysis", *Studies in Business and Economics*, 11(3): 67-83.

Singh S. K. (2016), "Heinous Crimes Against Women in India", *Journal of Social, Political and Economic Studies*, 41(3): 51-73.

Mohd Irfan, Sarani Saha, and Singh S. K. (2016), "Determinants of being acquired in Indian manufacturing sector: a panel data analysis", *Journal of Indian Business Research*, 8(4): 246-263.

Sarojeet D., V. Vasudevan, and Singh S. K. (2016), "A Piecewise Linear Multinomial Logit Model of Private Vehicle Ownership Behaviour of Indian Households", *Transportation in Developing Economies*, 2: 1-10.

Singh S. K. (2015), "Measuring quality of life for public policy: a case study of Lucknow City", *International Journal of Society Systems Science*, 7(3): 238-254.

Singh S. K. (2015), "Quality of Life in Lucknow: A Principal Component Analysis", *Indian Journal of Economics & Business*, 14(1): 107-114.

Singh S. K. *et al.* (2014), "Does Market Structure Matter? Evidence from the Indian Cement Industry", *Studies in Business and Economics*, 9(3): 107-124.

Singh S. K. and S. Raghav (2014), "Productivity Growth and Convergence across Firms: A Case Study of India's State Transport Undertakings during 2000s", *European Transport \ Trasporti Europei*, 56(3): 1-25.

Singh S. K. and Shalini Raghav (2014), "A Note on Relative Efficiency of State Transport Undertakings in India during 2000s", *Studies in Business and Economics*, 9(2): 87-97.

Singh S. K. (2014), "An Inquiry into the Cost Structure of State Transport Undertakings in India", *Transport Policy*, 32(2014): 1-8.

Singh S. K. (2014), "Comparing Productivity and Profitability Performance: A Case Study of Uttar Pradesh State Transport Road Transport Corporation", *Indian Journal of Economics & Business*; 13(1): 103-120.

Sarojeet D., V. Vasudevan, and Singh S. K. (2013), “Disaggregate Model for Vehicle Ownership Behavior of Indian Households”, *Transportation Research Record* (Journal of Transportation Research Board), 2394: 55-62.

Singh S. K. and Shalini Raghav (2013), “Performance Analysis of Publicly Owned Urban Bus Companies in India”, *Indian Journal of Economics and Business*, 12(2-4): 243-261.

Singh S. K. (2012), “The Neglected Epidemic: Road Traffic Crashes in India”, *Metamorphosis* (A Journal of Management Research), 11(2): 27-49.

Singh S. K. (2012), “Urban Transport in India: Issues, Challenges, and the Way Forward”, *European Transport \ Trasporti Europei* (an International Journal of Transport Economics, Engineering and Law) 52(5): 1-26.

Pindoriya N. M., Singh S. N., and Singh S. K. (2011), “Application of adaptive wavelet neural network to forecast operating reserve requirements in forward ancillary services market”, *Applied Soft Computing* 11 (2): 1811-1819.

Pindoriya N. M., Singh S. N., and Singh S. K. (2010), “Multi-objective mean-variance-skewness model for generation portfolio allocation in electricity markets”, *Electric Power Systems Research* 80(2010): 1314-1321.

Pindoriya N. M., Singh S. N., and Singh S. K. (2010), “Forecasting of Short-Term Electric Load Using Application of Wavelets with Feed-Forward Neural Networks”, *International Journal of Emerging Electric Power Systems* 11(1): 1-24.

Singh S. K. (2009), “Road Traffic Crashes: The Scourge of UP’s Cities”, *Economic and Political Weekly* 44(48): 22-24.

Singh S. K. (2009), “Total Factor Productivity, Total Price Performance and Economic Profitability: A Case Study of BEST”, *Indian Journal of Transport Management* 33(1): 37-50.

Singh S. K. (2008), “The Diffusion of Mobile Phones in India”, *Telecommunications Policy* 32(9-10): 642- 651.

Pindoriya N. M., Singh S. N., and Singh S. K. (2008), “An Adaptive Wavelet Neural Network Based Energy Price Forecasting in Electricity Markets”, *IEEE Transaction on Power Systems* 23(3): 1423-1432.

Singh S. K. (2008), “Marketing and Forecasting the Diffusion of Mobile Telephony in India”, *Akruti Journal of Infrastructure* 2(1): 35-52.

Pindoriya N. M., Singh S. N., and Singh S. K. (2008), “Short-Term Load Forecasting in Electricity Markets”, *Directions* 9(1): 144-150.

Singh S. K. (2007), “Projecting Teledensity in India using Logistic and Gompertz Curve Models”, *PES Business Review* 2(1): 3-10.

- Singh S. K. (2006), "Information Technology and Economic Development of India", *Productivity* 47(1-2): 1-8.
- Singh S. K. (2006), "The Demand for Road-based Passenger Mobility in India: 1950-2030 and Relevance for Developing and Developed Countries", *European Journal of Transport Infrastructure and Research* 6(3): 247-274.
- Singh S. K. (2006), "Demand for Telephones in India: 1950-51 to 2015-16", *NICE Journal of Business* 1(2): 15-30.
- Singh S. K. (2006), "Future Mobility in India: Implications for Energy Demand and CO<sub>2</sub> Emission", *Transport Policy* 13(5): 398-412.
- Singh S. K. (2006), "Information Technology in India: Present Status and Future Prospects for Economic Development", *Directions* 7(4): 5-14.
- Singh S. K. and Sharma R. (2006), "Does the Choice of Market Structure Measure Matter? Evidence from the Indian Car Industry", *ICFAI Journal of Industrial Economics* 3(1): 7-22.
- Singh S. K. (2005), "Costs, Economies of Scale and Factor Demand in Urban Bus Transport: An Analysis of Municipal Transport Undertakings in India", *International Journal of Transport Economics* XXXII (2): 171-194.
- Singh S. K. (2005), "Review of Urban Transportation in India", *Journal of Public Transportation* 8(1): 79-97.
- Padam S. and Singh S. K. (2004), "Urbanization and Urban Transport in India: The Search for a Policy", *European Transport \ Trasporti Europei International Journal of Transport Economics, Engineering and Law* n.27 (2004): 26-44.
- Singh S. K. and Anand V. (2003), "Comparing Efficiency across State Transport Undertakings: A Production Frontier Approach", *Indian Journal of Transport Management* 27(3): 374-391.
- Singh S. K. (2002), "An Analysis of Economic Profitability of Municipal Transport Undertakings in India", *Indian Journal of Transport Management* 26(4): 535-557.
- Singh S. K. (2002), "A Note on Economies of Scale in Selected STUs", *Indian Journal of Transport Management* 26(2): 207-224.
- Jha R. and Singh S. K. (2001), "Small is efficient: A Frontier Approach to Cost Inefficiencies in Indian State Road Transport Undertakings", *International Journal of Transport Economics* XXVIII (1): 95-114.
- Singh S. K. (2001), "Productivity, Prices and Profitability: A Case Study of APSRTC", *Economic and Political Weekly* Nov. 24 – 30; xxxvi No. 46 and 47: 4392-4396.

Singh S. K. and Misra A. (2001), "Road Accident Analysis: A Case Study of Patna City", *Urban Transport Journal* December 2001; 2(2): 60-75.

Singh S. K. (2001), "A Note on the Technological Progress in Selected STUs", *Indian Journal of Transport Management* 25(5): 413-429.

Singh S. K. (2001), "The Public and Private Sector Role in the Provision of Infrastructure Services", *Indian Journal of Transport Management* 25(3): 191-197.

Singh S. K. (2000), "Productive Efficiency Across Firms: State Road Transport Undertakings", *Economic and Political Weekly* xxxv (48): 4269-4275.

Singh S. K. (2000), "Estimating the Level of Rail- and Road-based Passenger Mobility in India", *Indian Journal of Transport Management* 24(12): 771-781.

Singh S. K. (2000), "Technical Characteristics and Efficiency of the Indian State Road Transport Undertakings", *Indian Journal of Transport Management* 24(8): 533-543.

Singh S. K. (2000), "State Road Transport Undertakings, 1983-84 to 1996-97: A Multilateral Comparison of Total Factor Productivity", *Indian Journal of Transport Management* 24(5): 363-388.

### **Book Chapters**

Singh S. K. (2015), "Scenario of Urban Transport in Indian Cities: Challenges and the Way Forward", In *Cities and Sustainability: Issues and Strategic Pathways*, edited by S. Mahendra Dev and Sudhakar Yedla, Springer (India) Pvt. Ltd., 2015, pp. 81-111.

Verma A., S. Velmurugan, Singh S. K. *et al.* (2015), "Urban Mobility Trends in Indian Cities and Its Implications", In A. Gurtoo, C. Williams (eds.), *Developing Country Perspective in Public Service Delivery*, Springer (India) Pvt. Ltd., 2015, pp. 95-116.

Singh S. K. (2011), "Infrastructure Issues in South Asia", In *Routledge Handbook of South Asian Economics*, edited by Raghendra Jha, Routledge Taylor & Francis Group, London and New York, 2011, ISBN13: 978-0-415-55397-1, pp. 185-197.

Singh S. K. (2010), "Road Safety in Indian Cities", IRF Bulletin (Special Edition) on Urban Mobility, International Road Federation (IRF) Geneva, Switzerland, August 2010, pp. 27.

Singh S. K. (2010), "Future Mobility in India: Implications for Energy Demand and CO<sub>2</sub> Emissions", In *Transportation System Studies and Policy Analysis*, edited by S. Sriraman (Eds.), Mumbai: Himalaya Publishing House Pvt. Ltd., 2010, ISBN: 978-93-5024-087-8, pp. 392-415.

Singh S. K. (2009), "An epidemic roars but no one cares!", *TransReporter* August 2009, pp. 24-27.



Singh S. K. (2008), "Transport Policy for Better Air Quality in Urban India" In K. N. Bhatt, eds., *Population, Environment, and Health: Emerging Issues*; pp. 169-184. Rawat Publications, Jaipur, India.

Singh S. K. (2007), "Urban Bus Policy to Reduce Air Pollution and Congestion" In Padmanabhan Nair, eds., *Urban Public Services: A Development Perspective*; pp. 107-116. The ICFAI University Press, India.

Singh S. K. (2006), "Productivity, Prices, and Profitability: A Case Study of Municipal Transport Undertakings in India" In V. Upadhyay et al., eds., *Productivity and Quality: A Multidisciplinary Perspective*; pp. 903-928. Tata McGraw-Hill New Delhi.

Singh S. K. (2002), "A Note on Economies of Scale in Selected STUs" In A. Kanda, P. Vrat, A. L. Agarwal, and S. G. Deshmukh, eds., *Transportation Systems: Status and Directions*; pp. 16-29. Phoenix Publishing House New Delhi.

## **Presentations**

### **International Meetings**

"Road Traffic Accidents in India: Issues and Challenges", in World Conference on Transport Research - WCTR 2016 held at Tongji University, Shanghai, China during July 10-15, 2016.

"An Inquiry into the Cost Structure of STUs in India", in Kuhmo NECTAR Conference and Summer School on Transport Economics held in the campus of Northwestern University in Evanston, Illinois, USA during July 8-12, 2013.

"Urban Transport in India: Issues, Challenges, and the Way Forward", in Global Management Conference on *Globalization, Sustainability, and Economic Development* held at Atlantico Copacabana Hotel in Rio de Janeiro during May 2-5, 2012.

"State of the Transport Infrastructure in India and Recent Policy Changes", in an International Conference on *Indian Economy and Business Update - Economic Policies of the New Government in India and Implications for Australia* held in the Australian National University, Canberra, Australia on September 17, 2009.

"CO<sub>2</sub> Emissions from Passenger Transport in India: 1950-51 to 2020-21" in *Better Air Quality (BAQ) 2008* workshop held in Bangkok, Thailand during November 12 to 14, 2008.

"Forecasting the Day-Ahead Spinning Reserve Requirement in Competitive Electricity Market" jointly with N. M. Pindoriya and S. N. Singh in Power and Energy Society IEEE 2008 General Meeting held in Pittsburg, USA during July 24 to 28, 2008.

"Future Mobility in India: Implications for Energy Demand and CO<sub>2</sub> Emission" in an *International Conference on Transportation System Studies (ICOTSS)* organized by the Walchand Hirachand Unit in Transport Economics, Department

of Economics, University of Mumbai under the auspices of the Association for the Transport Development in India (ATDI) during January 10 to 12, 2008.

“Energy Price Forecasting in Electricity Markets: An Overview and Key Issues” jointly with N. M. Pindoriya and S. N. Singh in an International Conference on Power System (ICPS-07) held at CPRI Bangalore during December 12 to 14, 2007.

“The Diffusion of Mobile Phones in India” in International Economic Conference on Trade and Industry (*Trade and Industrial Development: Contemporary Challenges and Policies*) organized by UNIVERSITI UTARA MALAYSIA held in Penang, Malaysia from December 3 to 5, 2007.

“The Road-Based Passenger Mobility in India: Implications for Energy Demand and CO<sub>2</sub> Emission” in *Better Air Quality (BAQ) 2006 Workshop* held in Yogyakarta, Indonesia from December 13 to 15, 2006.

“Productivity and Efficiency in State Transport Undertakings in India: Determinants and Implication for Pricing” in the *Regional Science Association International (RSAI) Symposium* and 37<sup>th</sup> Annual Conference of the Indian Regional Science Association held at the Indian Institute of Management Bangalore from January 6 to 8, 2006.

“Productivity, Prices and Profitability: A Case Study of Municipal Transport Undertakings in India” in the *11<sup>th</sup> International Conference on Productivity and Quality Research* organized by the Indian Institute of Technology Delhi in association with International Society for Productivity & Quality Research, USA. The Conference was held at IIT Delhi from December 12 to 15, 2005.

“Issues in Urban Transportation in India” in the *16<sup>th</sup> Regional Conference of Clean Air and Environment in Asian Pacific Area (2005 RCCAE)* held in the Kogakuin University, Tokyo, Japan from August 2 to 4, 2005.

“Urban Bus Policy to Reduce Air Pollution and Congestion” in *Better Air Quality (BAQ) Workshop* held in Agra, India from December 6 to 8, 2004 hosted by India's Ministry of Environment and Forests (MoEF) and the Clean Air Initiative for Asian Cities (CAI-Asia).

“Urbanization and Urban Transport in India: The Search for a Policy” in an *International Workshop on Transportation, Land Use and Environment* organized by Harvard University at Central Institute of Road Transport Pune from December 3 to 4, 2001.

“Technical Characteristics and Efficiency of the Indian State Road Transport Undertakings” in an *International Symposium* in honour of Professor Kirit S. Parikh on *Development Strategies for the New Millennium*. The Symposium was held at IGIDR Mumbai from July 12 to 14, 2000.

### **National Meetings**

“Assessment of passenger satisfaction with public bus transport services: a case study of Lucknow city (India)” in CODATU XVII Conference on *Intelligent, inclusive & sustainable mobility* held in Hyderabad during November 4-6, 2017.

“Does Market Structure Matter? Evidence from the Indian Cement Industry” jointly with Shalini Raghav and Sunny Kumar Singh in IJEB International Conference on *Business and Economic Issues* held in Pune during December 19-20, 2013.

“Scenario of Urban Transport in Indian Cities – Challenges and the Way Forward” jointly with Shalini Raghav in Silver Jubilee Conference on *Cities and Sustainability* organized by Indira Gandhi Institute of Development Research, Mumbai during October 29-30, 2013.

“Strategies to Reduce Carbon Emissions from Passenger Transport” in a Seminar on *Urban Challenges in the Context of Climate Change* organized by the Department of Civil Engineering, IIT Delhi in association with the Liberty Institute, New Delhi on April 20, 2012 at IIT Delhi.

“Transport and Carbon Emission: An Economic Perspective” in a Seminar on *Climate Change: Science and Society* organized by the Department of Humanities and Social Sciences, IIT Kanpur in association with the Liberty Institute, New Delhi on March 30-31, 2012 at IIT Kanpur.

“The State of Infrastructure in India: Implications for Infrastructure Planning and Policy” in an International Conference on Infrastructure Finance (ICIF-2010) organized by Vinod Gupta School of Management & RCG School of Infrastructure Design and Management, IIT Kharagpur during June 03-05, 2010.

“Analyzing the Link between Productivity, Prices, and Profitability” in 3<sup>rd</sup> International Conference on Global Interdependence and Decision Sciences held in the Administrative Staff College of India, Hyderabad during December 28-30, 2009.

“The Choice of Market Structure Measure: Evidence from the Indian Car Industry” jointly with Ruchi Sharma in 3<sup>rd</sup> Conference on Global Competition and Competitiveness of Indian Corporates organized by the Indian Institute of Management Lucknow and Indian Institute of Management Kozhikode held at IIM Lucknow during May 29 to 31, 2008.

“Short-Term Zonal Load Forecasting in PJM Electricity Market” jointly with N. M. Pindoriya and S. N. Singh in SPCTS-2007 held at DAIICT, Gandhinagar during September 28 to 30, 2007.

“Teaching of Modern Economic Analysis” in a *CD Cell Workshop* held at Indian Institute of Technology Delhi (Department of Management Studies) during April 14-15, 2007.

“The Diffusion of Mobile Phones in India” in the *43rd annual conference of the Indian Econometric Society* held at Indian Institute of Technology Bombay during January 5-7, 2007.

“The Future Mobility in India: Implications for Energy Demand and CO<sub>2</sub> Emission” in a *National Seminar on Sustainable Development in South Asia - Issues in Infrastructure and Environment* organized by the Academy of Third World Studies, Jamia Millia Islamia, New Delhi during August 22-23, 2006.

“Urban Bus Policy to Reduce Air Pollution and Congestion” in the *2<sup>nd</sup> Uttar Pradesh Economic Association (UPEA) Annual Conference* held at C.S.A. University of Agriculture & Technology, Kanpur during December 18-19, 2005.

“Transport Policy for Clean Air in Urban Areas” in a *National Conference on Urban Transport Planning and Management* organized by the Central Institute of Road Transport (CIRT) Pune in collaboration with the Association for Transport Development in India (ATDI), New Delhi. The Seminar was held in CIRT Pune during October 20-22, 2005.

“Transport Policy for Better Air Quality in Urban India” in a *National Seminar on Emerging Issues in Population, Environment and Health* organized by the Govind Ballabh Pant Social Science Institute, Allahabad during March 22-23, 2005.

“Regression Analysis” in the sixth regional conference-cum-workshop for Ph.D. scholars held at Govind Ballabh Pant Social Science Institute (GBPSSI), Allahabad during March 1-3, 2005.

“Returns to Scale in Urban Bus Transport” in *41<sup>st</sup> Annual Conference of the Indian Econometric Society* organized by the Department of Economics, Jadavpur University, Kolkata during January 20-22, 2005.

“Productivity, Prices and Profitability: A Case Study of Urban Bus Companies in India” in *46<sup>th</sup> Annual Conference of the Indian Society of Labour Economics* held at Institute of Development Studies, Jaipur during December 16-18, 2004.

“A Note on Economies of Scale in Selected STUs” in *National Conference on Transportation Systems* organized by Applied Systems Research Programme & Association for Transport Development in India held at Indian Institute of Technology Delhi during April 24-26, 2002.

“Productive Efficiency and Its Convergence Across Firms: The Case of State Road Transport Undertakings in India” in a Conference on *Industrialization in a Reforming Economy: A Quantitative Assessment* to honour Prof. K. L. Krishna, Delhi School of Economics, Delhi. The Conference was held at Delhi School of Economics during December 20-22, 2000.

### **Research and Consultancy Projects**

Working on a Seed Money Research Project on “Performance Analysis of Public Transport in Indian Cities” sponsored by the Indian Institute of Management Lucknow for the year 2016-18.

Completed a Seed Money Research Project on “Infrastructure Services and Quality of Life in Indian Metropolitan Cities” sponsored by the Indian Institute of Management Lucknow for the year 2013-15.

Contributed as a team member to a research study on “Global Mobility Monitor Network” initiated by the Institute for Mobility Research, Munich. The Institute for Mobility Research is a research facility of the BMW Group established in 1998. The research project is aimed at BRIC countries along with Germany and USA.

Completed a Research Project on “Productivity and Profitability Analysis of Publicly Owned Bus Transport Companies in India” sponsored by the Indian Institute of Management Lucknow. This is a seed money project available to the faculty members of IIM Lucknow.

Successfully completed a Research Project on “Passenger Transport Market in India” sponsored by the Indian Institute of Technology Kanpur during the year 2004-05. This was an initiation grant project available to the faculty members of IIT Kanpur.

Contributed as Team Leader to a Consultancy Project on “Optimal Pricing in Urban Bus Companies” sponsored by the Ministry of Road Transport & Highways, GOI, New Delhi during the year 2002-03.

Contributed as a Team Member to a Consultancy Project on “Guidelines for a Model Transport Regulatory Authority in India” sponsored by the Ministry of Road Transport & Highways, GOI, New Delhi during the year 2002-03.

Contributed as a Team Member to a Consultancy Project on “Restructuring of Nagaland State Transport” sponsored by the Nagaland State Transport, Nagaland during the year 2002-03.

Contributed as a Team Member to a Consultancy Project on “Analyzing the Accidents due to Tyre Bursts along Mumbai-Pune Expressway” sponsored by the Ministry of Road Transport & Highways, GOI, New Delhi during the year 2002-03.

Contributed as a Team Member to a Consultancy Project on “Public Transport Policy and Management Study for the State of Uttaranchal”. This project was sponsored by the Ministry of Road Transport & Highways, GOI, New Delhi during the year 2001-02.

Contributed as a Research Assistant for a consultancy project on “Urban Transport Sector Environmental Emission Mitigation” sponsored by the Asian Institute of Technology (AIT), Bangkok during the year 1999-00.

Contributed as a Research Assistant for a consultancy project on “The Restructuring of SEBs” sponsored by the Finance Commission of India during the year 1998-99.

## Research Guidance

Guided Monika Gupta (presently Assistant Professor in the Department of Economics and Finance at BITS Pilani) for her FPM thesis on “*An Analysis of Implementation of Carbon Tax in Indian Road Transport Sector*” at IIM Lucknow.

Guided Naran M. Pindoriya (presently Assistant Professor in the Department of Electrical Engineering at IIT Gandhinagar) for his Ph.D. thesis on “*Forecasting of Short-Term Load, Operating Reserve & Price and Optimal Generation Portfolio Management in Electricity Markets*” (jointly with Dr. S. N. Singh, Department of Electrical Engineering, IIT Kanpur).

Guided Mohd. Irfan (presently Assistant Professor of Economics in the Department of Management Studies at IIT (ISM) Dhanbad) for his Ph.D. thesis on “*Modes of Firms’ Exit and their Determinants: A Theoretical and Empirical Analysis*” (jointly with Dr. Sarani Saha, Department of Humanities and Social Sciences, IIT Kanpur).

Guided Sarojeet Dash (presently Transport Planner at Arcadis Consulting) for his M.Tech. thesis on “*Disaggregate Modelling of Vehicle Ownership Behaviour of Indian Households*” (jointly with Dr. Vinod Vasudevan, Department of Civil Engineering, IIT Kanpur).

## Courses Taught

- Macroeconomic Environment at IIM Lucknow (2017/18, PGP, Term II)
- Managerial Economics at IIM Lucknow (2017/18, PGP, Term I)
- Managerial Economics at IIM Jammu (2017/18, PGP, Term I)
- Economics of Competitiveness at IIM Lucknow (2017/18, EFPM)
- Macroeconomic Environment at IIM Lucknow (2016/17, Term II)
- Macroeconomic Environment at IIM Jammu (2016/17, Term II) [jointly with Prof. Chandan Sharma]
- Microeconomics of Competitiveness (2016/17, Term IV) [jointly with Prof. A.K. Sinha]
- Managerial Economics at IIM Jammu (2016/17, PGP, Term I)
- Managerial Economics at IIM Sirmaur (2016/17, PGP, Term I) [jointly with Prof. R.L. Chawla]
- Managerial Economics at IIM Lucknow (2016/17, PGP, Term I)
- Macroeconomic Environment at IIM Lucknow (2015/16, Term II)
- Managerial Economics at IIM Lucknow (2015/16, PGP, Term I)
- Managerial Economics at IIM Sirmaur (2015/16, PGP, Term I)
- Macroeconomic Environment at IIM Lucknow (2015/16, PGP, Term II)
- Managerial Economics at IIM Lucknow (2014/15, PGP, Term I)
- Applied Econometrics at IIM Lucknow (2014/15, EFPM, Module I)
- Macroeconomic Environment at IIM Lucknow (2014/15, PGP, Term II)
- Managerial Economics at IIM Lucknow (2013/14, PGP, Term I)
- Macroeconomic Environment at IIM Lucknow (2013/14, PGP, Term II)
- Economics of Regulation at IIM Lucknow (2013/14, FPM, Term IV)
- Economics of Regulation at IIM Lucknow (2012/13, FPM, Term V)
- Macroeconomic Environment at IIM Lucknow (2012/13, PGP, Term II)

- Managerial Economics at IIM Lucknow (2012/13, GMPE-4, Module I)
- Managerial Economics at IIM Lucknow (2012/13, PGP, Term I)
- Macroeconomic Environment at IIM Lucknow (2011/12, PGP, Term II)
- Macroeconomic Environment at IIM Kashipur (2011/12, PGP, Term II)
- Managerial Economics at IIM Lucknow (2011/12, PGP, Term I)
- Managerial Economics at IIM Lucknow (2011/12, WMP, Term I)
- Managerial Economics at IIM Kashipur (2011/12, PGP, Term I)
- Economics of Regulation at IIM Lucknow (2010/11, PGP, Term VI)
- Macroeconomic Environment at IIM Lucknow (2010/11, PGP, Term II)
- Macroeconomic Environment at IIM Rohtak (2010/11, PGP, Term II)
- Managerial Economics at IIM Lucknow (2010/11, WMP, Term I)
- Managerial Economics at IIM Rohtak (2010/11, PGP, Term I)
- Economics II (Macroeconomics) at IIM Lucknow (2009/10, PGP, Term II)
- Managerial Economics at RGIPT Raebareli (2009/10, MBA, 1<sup>st</sup> Sem.) [jointly with Prof. K. Bhattacharya]
- Economics I (Microeconomics) at IIM Lucknow (2009/10, WMP, Term I)
- Industrial Economics and Business Strategy at IIM Lucknow (2008/09, IPMX, Term VI)
- Economics II (Macroeconomics) at IIM Lucknow (2008/09, PGP, Term II)
- Economics I (Microeconomics) at IIM Lucknow (2008/09, PGP, Term I)
- International Trade and Policy at IIM Lucknow (2008/09, IPMX, Term III)
- Introduction to Profession at IIT Kanpur (2007/08, 2<sup>nd</sup> Sem.) [jointly with Prof. S. Sinha]
- Industrial Economics at IIT Kanpur (2007/08, 1<sup>st</sup> Sem)
- Econometric Methods at IIT Kanpur (2007/08, 1<sup>st</sup> Sem)
- Industrial Organization and Policy at IIT Kanpur (2007/08, 1<sup>st</sup> Sem)
- Industrial Economics at IIT Kanpur (2006/07, 2<sup>nd</sup> Sem)
- Industrial Organization and Policy at IIT Kanpur (2006/07, 1<sup>st</sup> Sem)
- Microeconomics I at IIT Kanpur (2005/06, 2<sup>nd</sup> Sem.)
- Advances in Microeconomic Theory at IIT Kanpur (2005/06, 2<sup>nd</sup> Sem) [jointly with Prof. S. Sinha]
- Industrial Economics at IIT Kanpur (2005/06, 1<sup>st</sup> Sem.) [jointly with Prof. T.V.S. Ramamohan Rao]
- Introduction to Economic Analysis at IIT Kanpur (2004/05, 2<sup>nd</sup> Sem.) [jointly with Prof. T.V.S. Ramamohan Rao]
- Industrial Organization and Policy at IIT Kanpur (2004/05, 1<sup>st</sup> Sem.)
- Industrial Economics at IIT Kanpur (2004/05, 1<sup>st</sup> Sem.)
- Industrial Economics at IIT Kanpur (2003/04, 2<sup>nd</sup> Sem.)
- Managerial Economics at XLRI Jamshedpur (Oct.-Dec. 2003)

*Have received letters of appreciation from the Director, IIT Kanpur for exemplary performance in teaching.*

### **Training Programmes**

#### **At IIM Lucknow**

- Coordinated three consultancy training project sponsored by the Directorate of Urban Transport, Ministry of Urban Development, Government of UP during Oct.-Dec., 2016 (jointly with Prof. Samir K. Srivastava); First programme was

conducted on Oct. 15, 2016 on 'Inter Modal Integration of Transport', second was conducted on 'Urban Planning and Urban Transport' on Nov. 15, 2016, and the third one was conducted on Dec. 16, 2016 on 'Efficient Management of S.P.V.'

- Coordinating a Mid-Career Training Programme for the Indian Economic Service Officers at IIM Lucknow during September 8 – October 17, 2014 (jointly with Prof. S. Sinha).
- Coordinated a Mid-Career Training Programme for the Indian Economic Service Officers at IIM Lucknow during July 29 – September 7, 2013 (jointly with Prof. Neeraj Dwivedi).
- Coordinated a General Management Programme for the Indian Railways (Probationary) Officers at IIM Lucknow during April 29 - May 11, 2013 (jointly with Prof. Sushil Kumar).
- Coordinated a General Management Programme for Executives (GMPE) during September 22, 2012 – August 11, 2013 (jointly with Prof. Payal Mehra).
- Conducted a General Management Programme for the Indian Railways (Probationary) Officers at IIM Lucknow during April 06 - May 29, 2009 (jointly with Prof. Samir K. Srivastava).

#### **At IIT Kanpur**

- Coordinated a short-term QIP course on *Industrial Organization and Policy: Contemporary Theory and Practice* during July 16-20, 2007.

#### **At CIRT Pune** (between the year 2001 and 2003)

- Directed a one-week training programme on *Transport Economics and Planning*.
- Conducted a three-day workshop on *Fare Policy*.
- Directed a one-week training programme on *Activity Based Costing*.
- Directed a one-week training programme on *Road Transport Regulation and Administration*.
- Directed a three-day training programme on *Demand Forecasting Techniques*.
- Conducted a three-day workshop on *Financing of Infrastructure*.
- Conducted a one-day workshop on *Universal accessibility of Transport and Infrastructure*.
- Conducted a two-day workshop on *Socio-economic Aspects of Vehicular Emission and Accidents*.

#### **Additional Information**

- **Personal Information**

Father's Name	:	Virendra P. Singh
Date of Birth	:	May 6, 1973
Place of Birth	:	Jaunpur (U.P)
Citizenship	:	Indian
Passport Number	:	Z 3386037
Marital Status	:	Married (Two Children)
Wife's Name	:	Poonam Singh
Children's Name	:	Shivendra and Shaurya



- **Memberships**
  - Member of the Editorial Board panel of the Journal of Transport Literature (JTL), a scientific journal published by the Brazilian Transport Planning Society (BPTS) since February 2012.
  - Member, Executive Board of Transportation Research Group of India (TRG)
  - Life member of the Association for Transport Development in India since January, 2008 (Registration No. S/164/2)
  - Life member of the Regional Science Association, India since September, 2006 (Registered No. S/9336 of 1968-69).
  - Life member of the Institute of Urban Transport (India), New Delhi since November, 2005 (M-825).
  - Life member of the Indian Econometric Society since August, 2004 (L/2268/2004-05).
  - Member of the Executive Committee of the Association for Transport Development in India (Regd.) for the period 2006-08 (Registration No. S/164/2).
  
- **Referee / Reviewer**

for Journal of Public Transportation; Case Studies on Transport Policy; Journal of Quantitative Economics; Asia Pacific Management Review; Emerging Markets Finance and Trade; Indoor and Built Environment; Environment, Development and Sustainability; Technological and Economic Development of Economy, Energy Policy, Telecommunications Policy; Vikalpa: The Journal for Decision Makers; Metamorphosis: A Journal of Management Research; Quality & Quantity; and Indian Journal of Transport Management.
  
- **Computational and Data Handling Skills**

Proficiency in the use of statistical and econometric packages (FRONTIER, LIMDEP, MICROFIT, SAS, TSP). Well versed with programming and use of software for modelling & optimization (GAMS, LEAP, MATHEMATICA, Warwick-DEA, DEAP). Familiar with internet technologies, particularly web page creation.
  
- **Training of Trainers Course**

Successfully completed a training of trainers course on “Direct Trainer Skills” at Lal Bahadur Shastri National Academy of Administration Mussoorie during August 27-31, 2001.
  
- **Language Proficiency**

Can read, write, and converse fluently in English and Hindi.
  
- **Other Interests**

Reading newspapers and magazines.  
Playing cricket and badminton.