

Sourabh B. Paul

Department of Humanities and Social Sciences,
Indian Institute of Technology, Delhi,
Hauz Khas, New Delhi,
PIN 110016, India

Email: sbpaul@hss.iitd.ac.in
Homepage:
<http://web.iitd.ac.in/sbpaul/>

Education

Ph.D. Economics, The University of British Columbia, November, 2011.

Thesis: Essays on Economic Development in India

Supervisor: Prof. Ashok Kotwal (chair), Prof. Amartya Lahiri, and Prof. Patrick Francois.

M.Phil. Economics, Indira Gandhi Institute of Development Research, Mumbai, India, 2004.

Thesis: Public Sector Job Reservation in India: A Search Theoretic Model

Supervisor: Prof. P. G. Babu

M.S. Quantitative Economics, Indian Statistical Institute, Kolkata, 2000.

B.Sc.(Hons) Economics, Ramakrishna Mission Vidyamandira, Belur Math, The University of Calcutta, 1998.

Employment

Head, Educational Technology Services Centre (ETSC), Indian Institute of Technology Delhi, Sept 2025 – present

Associate Professor, Department of Humanities and Social Sciences, Indian Institute of Technology Delhi, April 2022 – present

Assistant Professor, Department of Humanities and Social Sciences, Indian Institute of Technology Delhi, November 2012 – April 2022

Associate Fellow, National Council of Applied Economic Research, February 2011 – October 2012.

Sessional Instructor, Simon Fraser University, Surrey, BC, Canada, 2008-2010.

Fields of Research Interest

Applied Econometrics

Labour Economics

Empirical Development

Fields of Teaching Interest

Econometrics

Mathematics for Economics

Development Economics

Macroeconomics

Research

Papers in Journals

1. Kumar, P., Paul, S. B., & Tiwari, G. (forthcoming). Evaluating the reliability and consistency of statistical models for speed distribution analysis at hazardous and non-hazardous roadway locations: A multifractional dataset approach. *Transportation Research Record*.
2. Debnath, S., Desai, S., Mishra, G., Paul, S. B., & Varghese, J. (forthcoming). Factors associated with hysterectomy in low and middle-income countries: A systematic review. *Journal of Global Health*.
3. Kumar, P., Paul, S. B., & Tiwari, G. (2025). Segment length optimization for crash frequency modelling: Evaluating power spectral segment length in safety performance assessment. *Accident Analysis & Prevention*, 219. <https://doi.org/10.1016/j.aap.2025.108122>
4. Bailwal, N., & Paul, S. B. (2025). Does population composition of a village influence public school quality? Evidence from rural India. *Oxford Development Studies*, 1–17. <https://doi.org/10.1080/13600818.2025.2501551>
5. Kumar, P., Paul, S. B., & Tiwari, G. (2025). Road safety studies at micro, meso, and macroscopic levels: A systematic review. *IATSS Research*, 49(1), 10–26. <https://doi.org/10.1016/j.iatssr.2024.12.001>
6. Ahalya, R., & Paul, S. B. (2024). Middle Class and development: A study of Indian state. *Artha Vijnana*, 66(1).
7. Goswami, D., & Paul, S. B. (2024). Job creation and job destruction in Indian manufacturing. *The Indian Economic Journal*. <https://doi.org/10.1177/00194662241251556>
8. Bailwal, N., & Paul, S. B. (2024). Village dominance and learning gaps in rural India. *Journal of Economic Behavior & Organization*, 219, 52–73. <https://doi.org/10.1016/j.jebo.2023.12.027>
9. Banerjee, S., Daoud, A., Dubhashi, D., Johansson, F., Jordán, F., Paul, S. B., & Sharma, M. (2023). Using satellite images and deep learning to measure health and living standards in India. *Social Indicators Research*. <https://doi.org/10.1007/s11205-023-03112-x>

10. Paul, S., & Paul, S. B. (2022). Transition in dietary quality: Evidence from India. *British Journal of Nutrition*. <https://doi.org/10.1017/S0007114522002847>
11. Asri, V., Michaelowa, K., Panda, S., & Paul, S. B. (2022). The pursuit of simplicity: Can simplifying eligibility criteria improve social pension targeting? *Journal of Economic Behavior and Organization*. <https://doi.org/10.1016/j.jebo.2022.06.003>
12. Ahalya, R., & Paul, S. B. (2022). Determinants of economic mobility in India. *IASSI Quarterly: Contributions to Indian Social Science*, 41(1–2).
13. Muhtadi, B., Neyazi, T. A., & Paul, S. B. (2022). Political trust, democratic satisfaction and partisanship: Explaining leadership approval in Indonesia in times of economic hardship during the COVID-19 crisis. *Asian Survey*. <https://doi.org/10.1525/as.2022.1651118>
14. Kaushik, R., & Paul, S. B. (2022). Do competition improve persistence in innovation effort? Sectoral patterns and evidence from India. *Journal of Industry, Competition and Trade*. <https://doi.org/10.1007/s10842-022-00380-0>
15. Paul, S. B., & Tayal, D. (2022). Labour market for young urban female graduates in India. *South Asia Research*, 42(2), 1–19. <https://doi.org/10.1177/02627280221086842>
16. Paul, S. B., & Roy, I. (2022). Knowledge spillovers and productivity growth: Role of absorptive capacity in the Indian manufacturing sector. *Journal of Industry, Competition and Trade*. <https://doi.org/10.1007/s10842-022-00382-y>
17. Paul, S. B., & Verma, A. (2022). Women's experience of post-natal care: A study from Uttarakhand, India. *Asian Journal of Women's Studies*. <https://doi.org/10.1080/12259276.2021.2023282>
18. Gupta, A., James, K., Paul, S., & Paul, S. B. (2022). Maternal education, health care system and child health: Evidence from India. *Social Science & Medicine*, 296, 114740. <https://doi.org/10.1016/j.socscimed.2022.114740>
19. Ahalya, R., & Paul, S. B. (2021). Urban infrastructure and labour force participation in India. *The Indian Journal of Labour Economics*, 64, 943–960. <https://doi.org/10.1007/s41027-021-00345-7>
20. Paul, S. B., & Tayal, D. (2021). Labour force participation rate of women in urban India: An age-cohort-wise analysis. *The Indian Journal of Labour Economics*. <https://doi.org/10.1007/s41027-021-00336-8>
21. Kaushik, R., & Paul, S. B. (2021). Strategic interactions, bargaining power and stability of joint venture in an emerging nation. *Journal of Industry, Competition and Trade*. <https://doi.org/10.1007/s10842-021-00368-2>
22. Paul, S. B., & Tayal, D. (2021). Discouraged worker effect and labour market behaviour of urban married women. *Asian Development Review*, 38(2), 93–122. <https://doi.org/10.1142/S0116110521500098>

23. Bailwal, N., & Paul, S. B. (2020). Caste discrimination in provision of public schools in rural India. *The Journal of Development Studies*.
<https://doi.org/10.1080/00220388.2020.1862796>
24. Hazarika, G., & Paul, S. B. (2020). India's calorie consumption puzzle: Insights from the stochastic cost frontier analysis of calorie purchases. *Empirical Economics*.
<https://doi.org/10.1007/s00181-020-01945-w>
25. Pandey, E., & Paul, S. B. (2019). Patent implications in the pharmaceutical industry: Are static high prices leading to dynamic innovations? *International Journal of Risk & Safety in Medicine*, 30(3), 1–14.
26. James, K., Paul, S., & Paul, S. B. (2019). Universalisation versus targeting in maternal and child health care provisioning: Evidence from India. *SSM - Population Health*, 9, 100502. <https://doi.org/10.1016/j.ssmph.2019.100502>
27. Pandey, E., & Paul, S. B. (2019). Affordability versus innovation: Is compulsory licensing the solution? *International Journal of Risk & Safety in Medicine*, 30(4), 233–247. <https://doi.org/10.3233/JRS-195007>
28. Hnatkovska, V., Lahiri, A., & Paul, S. B. (2013). Breaking the caste barrier: Intergenerational mobility in India. *Journal of Human Resources*, 48(2), 435–473.
<https://doi.org/10.3368/jhr.48.2.435>
29. Hnatkovska, V., Lahiri, A., & Paul, S. B. (2012). Castes and labor mobility. *American Economic Journal: Applied Economics*, 4(2), 274–307. <https://doi.org/10.1257/app.4.2.274>

Papers in Peer-reviewed Conferences

1. Ashraf, H. A., Debnath, S., & Paul, S. B. Between the Ballots: Understanding Concurrent Elections. *20th Annual Conference on Economic Growth and Development*, Indian Statistical Institute, New Delhi, December 18–20, 2025.
2. Kumar, R., Paul, S. B., & Singh, N. Words that Move Markets: Quantifying the Impact of RBI's Monetary Policy Communications on Indian Financial Market. *19th Annual Conference on Economic Growth and Development*, Indian Statistical Institute, New Delhi, December 19–21, 2024.
3. Debnath, S., Paul, S. B., & Sareen, K. Effect of COVID-19 Pandemic on Routine Childhood Immunization. *18th Annual Conference on Economic Growth and Development*, Indian Statistical Institute, New Delhi, December 18–20, 2023.
4. Kaushik, R., & Paul, S. B. STEM education, firm complexity and structure of corporate board members in determining the innovation effort: Evidence from India. *Canadian Economic Association Annual Conference*, 2021.
5. Debnath, S., Paul, S. B., & Sareen, K. Supplier-induced demand for tertiary health-care: Evidence from a state health insurance scheme in India. *Canadian Economic Association Annual Conference*, 2021.

6. Muhtadi, B., Neyazi, T. A., & Paul, S. B. Political trust, economic factors and partisanship: Explaining leadership approval in Indonesia in the time of coronavirus. Accepted in *3rd Annual Conference of World Association for Public Opinion Research, Asia Chapter*, 2020.
7. Roy, I., & Paul, S. B. Knowledge spillovers and technological convergence in the Indian manufacturing sector. *XIV International Conference on Public Policy and Management*, IIM Bangalore, 2019.
8. Ahalya, R., & Paul, S. B. The effect of urban infrastructure development on female labour force participation among the poor and middle class in India. *COMPASS 2020 – Proceedings of the 3rd ACM SIGCAS Conference on Computing and Sustainable Societies*, June 2020, pp. 314–316. <https://doi.org/10.1145/3378393.3402234>
9. Goswami, D., & Paul, S. B. The dynamics of aggregate productivity over business cycle: Evidence from Indian organised manufacturing plants. *5th DIAL Development Conference*, Paris-Dauphine University, Paris, July 4–5, 2019; and *Fourth Conference on Productivity, Financial Constraints and Labour Decisions of SMEs*, The University of Sydney, Australia, May 16–17, 2019.
10. Goswami, D., & Paul, S. B. Job creation and job destruction in Indian manufacturing. *WIDER Development Conference*, Bangkok, Thailand, September 11–13, 2019; and *Summer School of the DFG Labor Network*, Centre for European Economic Research, Mannheim, Germany, July 23–27, 2018.
11. Asri, V., Michaelowa, K., Panda, S., & Paul, S. B. Does transparency improve public program targeting? Evidence from India's old-age pension reforms. *CIS Working Paper No. 92*, Center for Comparative and International Studies, University of Zurich, 2017 (earlier version presented at the *Gottingen Development Economics Conference*, June 24, 2016).
12. Chadha, R., Paul, S. B., & Tandon, A. Efficient transport services? Growth and environmental implications: Case study of India. *GTAP 16th Annual Conference on Global Economic Analysis*, Shanghai Institute of Foreign Trade, 2013.
13. Mukherjee, A., & Paul, S. B. Community identity and skill mismatch: A study on Indian labour market. *Annual Conference on Economic Growth and Development*, New Delhi, 2012.
14. Paul, S., & Paul, S. Trade reforms and gender empowerment in India. Presented at the *Annual Conference of the Canadian Economic Association*, Quebec, 2010; and accepted for the *Annual Meeting of the American Economic Association*, Atlanta, 2010.
15. Paul, S. B. Distributional effects of tariff reform in India. Presented at the *Annual Conference of the Canadian Economic Association*, Quebec, 2010.
16. Paul, S. B. Inequality, violence and social fragmentation in emerging India. Presented at the *Annual Conference of the Canadian Economic Association*, Toronto, 2009.

17. Paul, S. B. Changing skill intensity in dynamic sectors in India. Presented at the *Annual Conference of the Canadian Economic Association*, Vancouver, 2008.

Online Archive / Pre-print

1. Kumar, R., Paul, S. B., & Singh, N. (2024). Words that move markets: Quantifying the impact of RBI's monetary policy communications on Indian financial market. *SSRN Electronic Journal*. <http://dx.doi.org/10.2139/ssrn.4993738>
2. Debnath, S., Paul, S. B., & Sareen, K. (2022). Factors behind rising hysterectomies and its consequences: Evidence from a public health insurance program in India. *SSRN Electronic Journal*. <http://dx.doi.org/10.2139/ssrn.4084356>
3. Goswami, D., & Paul, S. B. (2020). Labor reforms in Rajasthan: A boon or a bane? *SSRN Electronic Journal*. <http://dx.doi.org/10.2139/ssrn.3740558>
4. Dixit, A., Paul, S. B., & Vishnoi, S. (2020). Adding structure to statistics: A study on COVID-19 dynamics in India. *medRxiv*, 2020.05.26.20113522. <https://doi.org/10.1101/2020.05.26.20113522>
5. Gupta, A., Paul, S. B., Sharma, M., Suraj, P. K., & Banerjee, S. (2017). On monitoring development indicators using high resolution satellite images. *arXiv preprint*, arXiv:1712.02282. <https://doi.org/10.48550/arXiv.1712.02282>
6. Chadha, R., Paul, S. B., & Tandon, A. (2013). India's transport sectors: Fiscal issues and allocative efficiency. *SSRN Electronic Journal*. <http://dx.doi.org/10.2139/ssrn.2705304>
7. Mukherjee, A., & Paul, S. B. (2012). Community identity and skill mismatch: A study on Indian labour market. *SSRN Electronic Journal*. <http://dx.doi.org/10.2139/ssrn.6634682>
8. Paul, S. B. (2011). Food preference and nutrition in India. *SSRN Electronic Journal*. <http://dx.doi.org/10.2139/ssrn.1960295>
9. Paul, S. B. (2009). Distributional effects of tariff reforms in India. *SSRN Electronic Journal*. <http://dx.doi.org/10.2139/ssrn.1669822>

Funded Research Projects

1. Exploring risk factors of adverse maternal and child health outcomes using machine learning and other advanced data analytical approaches, (PI), funded by Bill & Melinda Gates Foundation and Department of Biotechnology (DBT), Government of India.
2. Study on Socio-Economic Cost of Road Accidents in India (Co-PI), sponsored by the Ministry of Road Transport and Highways, Government of India.

3. The poverty-mortality linkage in India: The role of social pensions and public health care for different social groups, (PI), funded by Indo-Swiss joint Research Programme on Social Sciences.
4. DST Center for Policy Research (Co-PI), Department of Science and Technology, Government of India.

Honours, Awards, and Professional Recognition

Teaching Excellence Award, IIT Delhi, 2024

Elected Member, Advisory Board, Swiss Alliance for Global Research Partnerships (GRP Alliance), Swiss Academy of Sciences (SCNAT), August 2024 – December 2027

Member, Task Team on KLEMS Data, Ministry of Statistics and Programme Implementation, Government of India, November 2025 – Present

Professional Activities

PhD Student Supervision

1. Suranjana Kundu (2026), *Essays on Monetary Policy of India*
2. Parveen Kumar* (2026), *Advancing crash frequency modelling; and hazardous roadway segment identification using spatial frequency domain analysis*
3. Komal Sareen* (2024), *Three empirical essays in gender and health economics*
4. Kopal Mathur* (2024), *Talent allocation in the Indian economy*
5. Taniya Sah* (2024), *Essays agricultural markets in Uttarakhand*
6. Prakriti Joshi* (2022), *Essays on tax administration and tax evasion in developing countries*
7. Diti Goswami (2022), *Essays on the Indian labour market*
8. Rituparna Kaushik (2022), *Essays on innovation economics*
9. Neaketa Chawla* (2022), *Essays on pricing and competitive strategies of two-sided platforms*
10. Neha Bailwal (2022), *Essays on castes discrimination in school education in rural India*
11. Ekta Pandey* (2021), *Essays in health economics*
12. Asmita Verma* (2021), *Essays in health economics*
13. Deeksha Tayal (2021), *Women in urban labour market of India*

14. R. Ahalya* (2021), *Essays on middle class in India*
15. Sitakanta Panda* (2017), *Essays on empirical political economics*

* Jointly supervised with faculty colleagues from IIT Delhi and collaborating institutions.

M.Sc. Project Supervision

1. Nicky Yadav (2026), "Assessing the Cyclicity of Fiscal Policy in India"
2. Udbhav Verma (2026), "Empirical Analysis of the Fama-French 5-Factor Model"
3. Muskan (2026), "Impact of Macroeconomic Variables on Indian Stock Market"
4. Spriha Mondal (2026), "Modelling Corruption in an Endogenous Growth Framework"
5. Sayan Mandal (2025), "Women's Empowerment, Gender Equality, Self-independence and Women's Education: A Study Based on the Literary Works of Rabindranath Tagore"
6. Vibhu Kant (2025), "Energy Consumption, Income and Emissions"
7. Poulami Sarkar (2025), "Elasticity Estimation of Addictive Intoxicants and Policy Recommendations for Consumption Control"
8. Anaviggha Pradhan (2025), "Analysis of Stock Price Volatility Using GARCH Models in NIFTY50 Stock Index"
9. Amit Das (2023), "Remittances and Human Capital Investment"
10. Ayanik Anwesh Patra (2023), "Political Economy of Public Health Expenditure"
11. Sankha Mitra (2022), "Does Political Reservation in India Lead to Educational Welfare?" (joint with Prof. Sisir Debnath)

Student Research Committee

Department of Humanities and Social Sciences, Department of Management Studies, Transportation Research and Injury Prevention Centre, Department of Civil Engineering, Department of Mathematics, Department of Computer Science

Workshop Presentations and Invited Talks

Ashoka University
FLAME University, Pune
Indian Council of Social Science Research (ICSSR)
Indian Institute of Science, Bangalore
Indian Institute of Technology (Indian School Mines) Dhanbad
Indian Institute of Technology Mandi
Indian Statistical Institute, Delhi
Jamia Millia Islamia, Delhi
Jammu University
Jawaharlal Nehru University (JNU), Centre for the Study of Law and Governance
Jawaharlal Nehru University (JNU), CESP
Ministry of Micro, Small & Medium Enterprises, GoI, India
National Council of Applied Economic Research (NCAER)
National Institute of Public Finance and Policy (NIPFP)
National Transport Development Policy Committee (Dr. Rakesh Mohan Committee)
NITI Aayog
Population Council, New Delhi
Rajiv Gandhi University, Itanagar
Roundtable consultations for “Amrit Vidya: AI for Learning Advancement”, MeitY
Shiv Nadar University
TERI School Of Advanced Studies
Tripura University, Agartala
UGC refresher course, JNU
University of Lausanne
University of Zurich
VV Giri National Labour Institute

Academic and Administrative Responsibilities

1. Head, Educational Technology Services Centre (ETSC), IIT Delhi (09-2025 to present)
2. National Coordinator, NPTEL, SWAYAM PRABHA, IIT-PAL (09-2025 to present)

3. Member, Committee on Multilingual Teaching and Learning (CMTL) (2026)
4. Member, Committee to Review the Existing Attendance Policy (2026)
5. Member, Vision, Coordination and Strategy Committee for IIT Delhi–Abu Dhabi (2023–present)
6. Member, Academy Research Committee (ARC), UQ-IITD Research Academy (2025–26)
7. Secretary, Faculty Forum (2022–24)
8. NCC Coordinator (2022–25)
9. Coordinator, M.Sc. (Economics) Programme (2020–23)
10. Member, Committee for Midterm Review of UG Curriculum (2019)
11. Member, Committee to Review the Performance of Weak Students (2017)

Conference/Workshop Organised

Co-organiser, Dr. P. C. Bansil Memorial Lecture and Conference

Co-organiser, 2024 Asia Meeting of the Econometric Society (South/Central/West), Delhi, India

Co-organiser, Certificate Course in Econometrics for Business Decisions

Organiser, Conference on “Re-interpreting the ‘Social’ through a Gendered Lens”, IIT Delhi

Co-organiser, Conference “Theory Meets Empirics”