

Dr. IPSITA ROY

Assistant Professor (Grade-II)

Department of Humanities and Social Sciences

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Gender: Female

Nationality: Indian

Positions:

March 2020 – Present	Assistant Professor, Department of Humanities and Social Sciences, National Institute of Technology Rourkela
February 2017– February 2020	Postdoctoral Fellow, DST-Center for Policy Research, Indian Institute of Technology Delhi
March 2016– September 2016	Research Fellow, DFG Research Training Group 1411 “The Economics of Innovative Change”, Friedrich Schiller University Jena and former Max Planck Institute of Economics Jena
June 2014 – August 2014	Visiting Researcher, INGENIO (CSIC-UPV), Polytechnic University of Valencia, Spain
October 2010– September 2011	Research Assistant, Indian Institute of Management Calcutta, Finance and Control Department, Calcutta

Educational qualifications:

November 2011–December 2015	Ph.D., DFG Research Training Group 1411 “The Economics of Innovative Change”, FSU Jena and MPI Jena, Germany
May 2008 –April 2010	M.Sc. Applied Economics, Presidency College, Calcutta.
June 2005 –April 2008	B.Sc. Economics (Honours), Calcutta University, Calcutta, India
May 2003 –April 2005	Higher Secondary. Carmel High School, Calcutta India
April 1991–March 2003	Secondary. Gokhale Memorial Girls’ High School, Calcutta, India

Research areas:

- Economics of Innovation
- National and Regional Innovation Systems
- Science, Technology and Innovation Policy
- Industrial R&D and Absorptive Capacity

Awards and scholarships:

October 2023	MA Faculty Advisor Appreciation Award, NIT Rourkela.
October 2022	MA Faculty Advisor Appreciation Award, NIT Rourkela.
February 2021	Nominated as member of Expert Committee on “Innovation” for the 5th National Science, Technology and Innovation Policy 2021, GoI

August 2019	ICSSR International Travel Grant for IISES 12th Economics & Finance Conference, Dubrovnik, Croatia
November 2018	DST Nomination for participation in S&T Policy Leadership Programme, AAAS, Washington DC, USA
November 2014 –December 2015	Graduate Academy fellowship, Friedrich Schiller University Jena
November 2011 –October 2014	DFG 1411, Doctoral scholarship at the Research Training Group 1411 “The Economics of Innovative Change”.

Teaching

June 2020- present	HS1340 Principles of Economics {Theory} HS1349 Industry and Development {Theory} HS1270 Language Laboratory {Practical} HS5444 Public Economics {Theory} HS5432 Industry and Development {Theory} HS5467 Innovation and Economic Development {Theory} HS5472 Statistical Laboratory - II {Practical} HS7406 Public Finance {Theory}
Spring 2023-24	Module 15: Digital and Financial Literacy AI-ML Engineer Course under Pradhanmantri Kaushal Vikash Yojana scheme (PMKVY) 4.0
Summer semester 2016	Applications of Human Capital in Innovation and Growth (Ph.D.) Friedrich Schiller University Jena.
Summer School 2016	Human Capital and Innovation (UG) (As part of Summer Academy on ‘Innovation and Uncertainty’ by Friedrich Schiller University Jena, in collaboration with Tashkent Financial Institute).

Publications:

- Roy, I. (2023). Technology push, demand pull, networks and public policy: What drives and facilitates innovation? In *Science, Technology and Innovation Ecosystem: An Indian and Global Perspective*. Forthcoming. Springer.
- Roy, I., and Paul, S. B. (2022). Knowledge spillovers and productivity growth: Role of absorptive capacity in the Indian Manufacturing Sector. *Journal of Industry, Competition and Trade*, 22(2), 233-257.
- Roy, I., Cantner, U., and Gerstlberger, W. (2020). Works councils, training activities and innovation: A study of German firms. *International Journal of Human Resources Development and Management*, 20(3-4), 269-294.
- Roy, I. (2018). Role of human resource practices in absorptive capacity and R&D cooperation. *Journal of evolutionary economics*, 28(4), 885-913.
- Roy, I., and Consoli, D. (2018). Employment polarization in Germany: Role of technology, trade and human capital. *The Indian Journal of Labour Economics*, 61, 251-279.
- Sheth, B., Basha, C. and Roy, I. (2018) “Meeting Report- Science, Technology and Innovation Policy Research”, *Current Science*, Vol. 115, No. 3, 376-377.
- Ali, M., Cantner, U., and Roy, I. (2016). Knowledge spillovers through FDI and trade: the moderating role of quality-adjusted human capital. *Journal of Evolutionary Economics*, 26(4), 837-868. In: Pyka, A., Cantner U. (Eds) *Foundations of Economic Change. Economic Complexity and Evolution*. Springer, Cham.

Books:

- Mohanty, S., Pradhan, J., Roy, I. and Dutta, D. (Eds). (Forthcoming 2024) *Women in India: Exploring Work, Life and Freedom*. Routledge.

Working papers:

- Singh, A. and Roy, I. (2024). A regional perspective on FDI, MNC R&D centres and the entrepreneurial startup ecosystem in India. *Submitted*
- Roy, I. (2023). Understanding technology transfer effectiveness in emerging economies: Lessons for India. *Submitted*
- Chatterjee, R. and Roy, I. (2023). Role of absorptive capacity and knowledge networks on regional patenting activity: Evidence from selected states in India.
- Roy, I. and Chatterjee, R. (2023). Incubation centres, research commercialisation and startup growth in India: A regional perspective.
- Singh, A. and Roy, I. (2023). Regional competitiveness: Role of FDI, entrepreneurship and innovation.
- Ali, M., Cantner, U. and Roy, I. (2023). Does university-industry collaboration affect innovation output? A Meta-Regression analysis.

Funded Research:

Co-Principal Investigator. Science and Technology Parks in Developing and Emerging Economies in Southeast Asia: A comparison. Funded by Friedrich Schiller University Jena, Germany.

Opinion Articles:

- Ipsita Roy (2020). FDI in R&D: Trends and Policies in India. Science Policy Forum

Research Guidance:

Ph.D.

- Rituparna Chatterjee (Economics, 2021-ongoing)
- Anshu Singh (Economics, 2022-ongoing)

MA

- Aditya Mishra (2023-24 Spring – ongoing)
- Sunnapu Rishika (2022-23 Spring)
- Shihab Ahmad P P (2022-23 Spring)
- Abhinav Kumar (2022-23 Spring)
- S.D Swagata Satprem (2021-22 Spring)
- Lekharaju V N S S Chaitanya (2021-22 Spring)
- Neha Kumari (2020-21 Spring)
- Ankit Mishra (2020-21 Spring)

Administrative Experience

Institutional

- Institute Website committee Co-coordinator (2022 - present)
- Institute Accreditation and Ranking Team Member (2022 - present)

Departmental

- Member of DAPOC
- Member of DPC,
- PIC-Annual Report,
- PIC-PG Admission,
- PIC-Student societies

Conferences and Workshops attended:

- 17th Regional Innovation Policies Conference 2023, Jonkoping, Sweden (2023)
- CTIER research consultation, Pune, India (2023)
- Two-day national conference on Women@75: work, life and freedom, NIT Rourkela, India (2023)
- CTIER Seminar Series, Pune, India (2021)
- ISES 12th Economics & Finance Conference, Dubrovnik, Croatia (2019)
- XIV International Conference on Public Policy and Management, IIM Bangalore, India (2019)
- Design and Evaluation of Innovation Policy workshop, IISc Bangalore-UNU Merit, India (2019)
- 1st Annual Conference in Economics, IIT Delhi, New Delhi, India (2019)
- Education Innovation Conference, New Delhi, India (2019)
- AAAS Leadership Seminar on S&T Policy, Washington D.C., United States of America (2018)
- India Launch of the GLOBAL INNOVATION INDEX 2018, New Delhi, India (2018)
- 59th Annual Conference of the Indian Society of Labour Economics, Trivandrum, India (2017).
- Workshop on Science, Technology and Innovation Policy Research, IISc Bangalore, India (2017)
- Industrial Innovation Summit 2017, New Delhi, India (2017)
- ICAE-V Conference, IBS Hyderabad, India (2016).
- GCW EurKind Conference, Valencia, Spain (2016).
- DRUID Academy Conference, Aalborg, Denmark (2015).
- 15th International Conference of the International Schumpeter Society (ISS), Jena, Germany (2014).
- DRUID: The 35 DRUID Celebration Conference, Barcelona, Spain (2013).
- EMAEE: 8th European Meeting on Applied Evolutionary Economics, Cote d'Azur, France (2013).
- Research and Exchange Workshop: Data Analysis using Statistical Software, University of Southern Denmark, Odense, Denmark (2012, 2013).
- SEEK Workshop on Incentives and Innovations, ZEW Mannheim (2012).