

Curriculum Vitae  
Mridu Prabal Goswami

## CONTACT INFORMATION

Indian Statistical Institute, Tezpur  
Punioni, Solmara Tezpur, Assam  
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## RESEARCH INTEREST

Social Choice Theory, Auction Theory

## WORK EXPERIENCE

Currently, Assistant Professor, Indian Statistical Institute, Tezpur, [Since January 2018

January 2017- January 2018 Assistant Professor, Indira Gandhi Institute of Development Research, Mumbai

August 2016- December 2016 Assistant Professor (on Contract), Indira Gandhi Institute of Development Research, Mumbai

October 2015-June 2016, Visiting Scientist, Indian Statistical Institute, Kolkata,

April 2012-November 2012, project assistant, Economics and Planning Unit, Indian Statistical Institute, New Delhi

April 2004-February 2005, Research Fellow, Institute of Economic Growth, Delhi

## EDUCATION

Post-doctoral Fellow, Department of Economics, Ben-Gurion University of the Negev, Israel, January 2013-September 2015, Advisor: Prof. David Wettstein

Ph.D.(Quantitative Economics) Indian Statistical Institute 2012

Thesis title: Essays on Voting and Auction Theory Advisor: Prof. Arunava Sen

M.Phil (Economics) Delhi School of Economics, University of Delhi, Delhi, 2004  
Thesis title: Effects of Economic Reforms on Parallel Labor Market: A Case Study of the Manufacturing Sector in India.

Advisors: Prof T. C. A. Anant and Prof. S. D. Tendulkar

M.A. (Economics) Kurukshetra University, Kurukshetra, 2001 .

B.A. (Honours) (Economics), Satyawati College, University of Delhi, 1999

## RESEARCH GRANTS AND FELLOWSHIPS

- Research grant for the project titled “A Geometric Understanding of Auction Mechanisms” from Science and Engineering Research Board (SERB), Department of Science and Technology, Government of India, 2023-26
- “PBC scholarship for outstanding post-doctoral students from India and China”, from the Council of Higher Education, Israel, from January 2013 to September 2015.
- Research fellowships from Indian Statistical Institute, from August 2005 to July 2011.

## JOURNAL PUBLICATIONS

- Non-dictatorial public distribution rules, Review of Economic Design, volume 26, pages 165-183, 2022
- Expanding and confusing space of alternatives: A case for lexicographic preferences, (with Manipushpak Mitra and Debapriya Sen), Journal of Mathematical Psychology, Volume 107, April 2022
- A Characterization of Lexicographic Preferences, (with Manipushpak Mitra and Debapriya Sen), Decision Analysis, November, 2021, pages: 141-169
- Common-Value All-Pay Auctions with Asymmetric Information, (with Ezra Einy, Ori Haimanko, Ram Orzach, Aner Sela), International Journal of Game Theory 2017, 46, 1, pages: 79-102.
- Rational Bidding in a Procurement Auction with Subjective Evaluations, (with David Wettstein), International Journal of Industrial Organization, 2016, 44, pages: 60-67.
- A Hurwicz type result in a model with public good production, (with Arunava Sen and Sonal Yadav), Social Choice and Welfare 2015, 45(4), pages: 867-887.
- Non fixed-price trading rules in single-crossing classical exchange economies, Social Choice and Welfare, 2015, 44, pages: 389-422.

- Strategy proofness and Pareto efficiency in quasi-linear exchange economies (with Manipushpak Mitra and Arunava Sen) Theoretical Economics, 2014, 9, pages: 361-381.
- Quality cut-offs in procurement auctions, Economics Letters, 2013, 121, pages: 148-151.

## EXPOSITORY ARTICLES

- An Incredibly Short Tale About Human Imagination <https://gonitsora.com/an-incredibly-short-tale-about-human-imaginatio/>

## WORK IN PROGRESS

- Intelligent Machines and Incomplete Information, (with Surajit Borkotokey and Sujata Goala) <https://arxiv.org/pdf/2404.16056>
- Implementable Quotas and Negative Externality: a Geometric Approach (with Manipushpak Mitra and Soumendu Sarkar).
- Strategy-proof Selling: A Geometric Approach <https://arxiv.org/pdf/2406.12279> [Based on SERB MATRICS project]
- Moral Wiggle Room in the Dictator Game (with Sanmitra Ghosh and Shubhro Sarkar) [Revised and Resubmitted to Journal of Behavior and Experimental Economics].
- A Case for Discrete Consumption Spaces in Economic Theory (with Marbarisha M. Kharkongor, Abinash Panda, Bishwajit Sarma)
- Approximate Revenue from Finite Range Mechanisms [Based on SERB MATRICS project] <https://arxiv.org/pdf/2412.08342>
- Optimal Strategy-proof Mechanisms on Single-crossing Domains [Based on SERB MATRICS project] <https://arxiv.org/pdf/2412.11113>

## PH.D. STUDENTS AND COLLABORATION

- Shreyan Mullick, ongoing, I am the convener of his committee.
- The joint work Intelligent Machines and Incomplete Information is based on a chapter in the Ph.D. thesis of Sujata Goala.

## VISITING STUDENTS

Anubhav Kashyap: Christ University, summer 2024, Vishal Junak Das: Christ University, summer 2024, Sumit Sarkar: from May to July, 2019 Indira Gandhi Institute of Development Research, Mumbai, Rimpi Saikia: from May to June, 2019 Institute of Mathematics and Applications, Bhubaneswar, Abinash Panda: from December, 2019 to January 2020, Indian Institute of Technology, Roorkee

## CONFERENCES, WORKSHOPS, INVITED TALKS

- A Short Tale about Cooperation and War with Game Theory. June 7, 2024, Humanities and Social Sciences, Ph.D. forum IIIT Guwahati, online [Teaching]
- Intelligent Machines and Incomplete Information, March 1, 2024, Department of Computer Science & Engineering, IIIT Guwahati [Invited Talk]
- “On the Applications of Mathematics”, Darrang College, Tezpur, September 23, 2023 [Invited Public Lecture]
- National Seminar on “Game Theory and its Application in Social Science” Department of Mathematics, Madhabdev University, Naryanpur, 29th April, 2023. [Invited Talk]
- Efficiency, matching, fairness, and manipulation: some enduring issues in cooperation and aggregation: a workshop on game theory, 23<sup>rd</sup> and 24<sup>th</sup> March 2021, it was an online workshop [organizer]
- Winter School on Mathematics for Post Graduate students for M.Sc. Mathematics students of the North-Eastern states, Indian Statistical Institute, Tezpur, 28th January to 1st February 2020 [Teaching]
- Training program on Game Theory and Mechanism Design, Dibrugarh University, March 2019. [Teaching]
- International workshop in Game Theory and Networks, Dibrugarh University, September 2018 [Invited Talk]
- Third meeting of the Society for Economic Research in India, July 2017.[Invited Talk]
- National Workshop in Public Economics: Theory and Policy, January, 2016, IIT Guwahati. [Invited Talk]
- Eleventh meeting of the Society of Social Choice and Welfare New Delhi, India, August 2012. [Presented Paper]

## ADMINISTRATIVE RESPONSIBILITIES

- PGDSMA Examination Committee, 24-25, 23-24 [Member]
- ISI-NE, Libraray Committee, Chairperson currently, and member in the past
- ISI-NE Placement Committee, member currently and convener in the past
- ISI, Admission Test, 22-23, coordinating the examination at ISI-NE Center
- In Charge Students' Academic Affairs, 21-23

## TEACHING

- Currently, Vectors and Matrices (semester I, PGDSMA, ISI-NE ), Statistical Finance and Guiding Project (semester II, PGDSMA, ISI-NE)
- Saturday lectures in Game Theory, 21-22 PGDSMA, ISI-NE, audit course.
- Earlier, Microeconomics II, Mathematics for Economists, Topics in Mathematics for Economists, at IGIDR, Mumbai

## PGDSMA POJECT STUDENTS

Anurag Prasad, Himanshu Singh, Shubham Jaiswal, Sarabjit Kaur, Uttaran Nandy, Paheli Paul, Rubel Chowdhury, Sasthimoni Phukon, Ramesh Sharma, Nandan T, Arun Parit, Emmanuel Khiangte, Jermio Dkhar, Bhabana Otri, Swastik De, Jahar Kumar Paul, Kumar Karan Kishore, and Manish Dulal, Shubham Kumar, Simran Agarwal

## PROFESSIONAL ACTIVITIES

Reviewed articles for European Journal of Operation Research, Theoretical Economics, Social Choice and Welfare, Mathematical Social Sciences, Economic Modelling, Environment and Development Economics.