

Suvechcha Sengupta

Assistant Professor

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Core Competencies

- Mathematical Modelling
- Analytical Problem Solving
- Logical Reasoning
- Communication Skills
- Collaboration and Team Work
- Curriculum Development

Work Experience

ASSISTANT PROFESSOR | 2022 TO PRESENT

ADJUNCT PROFESSOR | 2019 TO 2021

K J Somaiya Institute of Management

- Courses Delivered – Decision Analytics, Decision Science, Business Research Methods, Financial Analytics, Operations Research, Data Modelling and Decision Making, Business Statistics
- Mentored students on their Master's Thesis
- Contributed towards institution building

VISITING PROFESSOR

Indian Institute of Management Mumbai | 2022 - 23

K J Somaiya Institute of Management | 2018 - 19

St. Xavier's College, Mumbai | 2012 - 13, 2014-15

- Courses Delivered (Across institutes) – Business Research Methods, Operations Research, Descriptive Statistics, Probability Distributions, Regression, Forecasting
- Prepared and evaluated exam papers

Education

Indian Institute of Management Mumbai (IIM Mumbai)

PhD | pursuing

- Thesis Submitted, Viva awaited
- Area of Research: Game Theory
- Fellow Student Coordinator (2016 – 2018)
- Papers presented at National and International Conferences
- Organising Committee member for various conferences

St. Xavier's College, Mumbai University

B.Sc. Statistics | 2007 – 2010

- Graduated with 89.375%
- Poster Competition Winner at Statistics Seminar
- Conducted short Research Projects
- Participated in multiple workshops and extra-curricular courses

Hindu College, Delhi University

M.Sc. Operations Research | 2010 – 2012

- Graduated with 79.6%
- College Topper for academic year 2010-2011
- Industry Project – Berger Home Painting Solutions
- Member of various student initiatives

Teaching /

Research

Interests

- Business Analytics
- Decision Sciences
- Prescriptive Analytics
- Network Optimization
- Game Theory Modelling
- Forecasting Techniques
- Quantitative Techniques
- Optimization Techniques
- Data Modelling
- Business Statistics
- Advanced Statistics
- Business Research Methods

Additional Skills

- Proficient in MS Office (Excel, PowerPoint, Word)
- Functional knowledge of Softwares: @RISK, JMP by SAS, SPSS, LINGO, Matlab
- Functional Knowledge of Languages: C/C++, Java
- Currently Learning: R, Python, Tableau

Publications / Conferences

- Suvechcha Sengupta, Rakesh Verma (2025). *Compromised payoffs in the presence of incomplete information for supply chain applications*. World Journal of Advanced Research and Reviews, 25(02), 434-447. <https://doi.org/10.30574/wjarr.2025.25.2.0318>.
- Suvechcha Sengupta, & Sanjeev C. Panandikar. (2023). Modeling Entropy in Duopolistic Competition: A Game Theory Approach. Empirical Economics Letters, 22(11), 185-194. <https://doi.org/10.5281/zenodo.10445909>. (ABDC C)
- Suvechcha Sengupta, Sanjeev C. Panandikar (2023) *Optimizing the Value with Entropy For a Multi-attribute Game: A Goal Programming Approach*. Conference Proceedings of 3rd International Business Analytics Conference on Analytics Everywhere: Unleash the Power of Data, 326 – 344.
- Shamika Pathak, Sanjiwani Kumar, Suvechcha Sengupta, Sanket Patel (2023) *Optimizing Blood Delivery in East India – A Comparison study between truck delivery and Drone*. Conference Proceedings of 3rd International Business Analytics Conference on Analytics Everywhere: Unleash the Power of Data, 272 – 279.
- Suvechcha Sengupta, Ashutosh Mishra, Som Sekhar Bhattacharya, Perna Mahindroo, (2023). *Developing Agile and Lean Strategies in Managing Vaccine Distribution* Conference Proceedings of 3rd International Healthcare Management Conference on Future of Healthcare Strategies and Policies for Care-delivery and Wellbeing.
- Sanket Dangra, Nimisha Pandey, Suvechcha Sengupta, Shweta D. Kadam (2022). *Application of Cluster Analysis for Customer Segmentation: Study on Menstrual Cups*. Model Assisted Statistics and Applications, Vol. 17, No. 4, 273 – 277. (ABDC C, Scopus)
- Nilakantan N. S., Kingsley Ganendran, Suvechcha Sengupta (2021). *Shared Mobility in India-Bus and Share-Rickshaw Combined System*. Interdisciplinary Research in Technology and Management (IRTM 2021) Proceedings, 387-391.
- Nilakantan N. S., Kingsley Ganendran, Suvechcha Sengupta (2021). *Queueing Models for Bus-Rickshaw Combinations in Shared Economy in India* presented by Nilakantan N. S. in POMS 31st Annual Conference, April 29th – May 3rd, 2021.
- Perna Mahindroo, Suvechcha Sengupta (2021). *Impact of Film Critics Influencer on the Factors Affecting Audience Decision Making*. Conference Proceedings of 1st International Business Analytics Conference on Future of Business Analytics: Trends in 2020 and Beyond, 32-42.
- Suvechcha Sengupta, Sanjeev C. Panandikar (2018). *Entropy Convergence Criterion for Bee Colony Optimisation* presented in the 51st Annual Convention of Operational Research Society of India (ORSI) and International Conference, December 16th – 19th, 2018.
- Suvechcha Sengupta, Sanjeev C. Panandikar (2018). *Risk Seeking versus Risk Averse: An Evolutionary Game of Scaling Up* presented at the 6th PAN-IIM World Management Conference, December 13th – 15th, 2018.
- Suvechcha Sengupta, Sanjeev C. Panandikar (2017) *Cashless Agro Auction Platform for India*, JBIMS Spectrum, Vol. V, No. 1, 16 – 28.

Administrative Responsibilities

- Member of the team working on Ranking and Accreditation of the current institute. Leading the accreditation efforts towards BGA AMBA for the current institute.
- Contribution towards institute activities such as the Admission, Induction, and Examination Process
- Organising Member of Institute Conference
- Networking with external facilitators for various student events
- Engaging with organisations for student collaboration activities

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FDP / MDP / Executive Programs Conducted

- FDP on 'Teaching Excellence for Management Faculty - Part 2' for K J Somaiya Institute of Management, August 2024
- MBA for Working Executives (with TimesPro) - Facilitated Business Statistics and Decision Science for multiple batches.
- PGDM Godrej & Boyce (Ops & SCM) - Business Statistics, August, 2024
- PGDM Executive Godrej & Boyce - Business Statistics, August, 2023
- MDP - Business Statistics for INS Hamla 60th SLt. Logistics course, (2022), 59th SLt. Logistics course (2022), 56th SLt. Logistics course (2020)

Skill Enhancement Activities Undertaken

- Teaching Excellence for Management Faculty conducted by Faculty & Staff Development Centre, Somaiya Vidyavihar University - June 2024
- Advanced-Data Analytics for Research and Teaching: Harnessing the Power of R, Python, and Tableau conducted by IIM Kozhikode, January - November, 2024
- Predictive and Prescriptive Analytics Using Open Source Software conducted by K J Somaiya Institute of Management, March, 2023
- Developing and Testing Mediation, Moderation and Moderated Mediation Models in Management Research conducted by K J Somaiya Institute of Management, October, 2022
- Comprehensive Time Series Forecasting conducted by IIM Shillong, August - September, 2022
- Machine Learning Using R conducted by K J Somaiya Institute of Management, March, 2022
- Applications of Statistical Methods For Research in Management and Behavioral Sciences: Hands-on Training using R conducted by NMIMS, Navi Mumbai, June, 2021
- Workshop on Basics of Tableau conducted by K J Somaiya Institute of Management, March, 2021
- Workshop on Introduction to Mediation, Moderation and Conditional Process Analysis conducted by K J Somaiya Institute of Management, March, 2021
- Workshop on "Advanced Data Analysis Techniques in Qualitative Research using Atlas.ti" conducted by K J Somaiya Institute of Management, December, 2020

Miscellaneous Achievements

- "Best Paper Award" for Optimizing the Value with Entropy For a Multi-attribute Game: A Goal Programming Approach by Sengupta, S, Panandikar, S.C. at the 3rd International Business Analytics Conference organized by K J Somaiya Institute of Management (2023)
- Co-editor, Conference Proceedings of International Business Analytics Conference. K J Somaiya Institute of Management (2023, 2022, 2021)
- Moderated the Webinar on "Why your career trajectory will not be the same after an MBA" hosted by InsidellIM on their YouTube channel (2022)
- Editorial Team for Special Issue: Kadam, S. D., Mahindroo, P. M., Jayaraman, J. D., Kumar, S., Jain, R., & Sengupta, S. (2022). 2nd International Business Analytics Conference. Model Assisted Statistics and Applications, 17(4), 217-218
- Consultancy Project - Completed a project on Price Forecasting for Godavari Biorefineries Limited (2022)
- Judge - 'Stat Attack!', a data visualization competition organized by St. Xavier's College, Mumbai (2023, 2022)
- Guest Speaker - "AI application in Game Theory" at SVIMS, Pune (2020)
- Alumni speaker - "Opportunities in the Education sector post B.Sc. Statistics", St. Xavier's College, Mumbai (2019)