

DR. SANJIB KUMAR GUPTA

Assistant Professor, Department of Statistics

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Professional Summary

Innovative Assistant Professor with over 14 years of experience in teaching and research. Specializes in reliability analysis, statistical quality control, and operations research. Strong track record of academic publications and funded research projects. Committed to fostering academic excellence and nurturing student growth through interactive teaching methods.

Education

- **Ph.D. in Statistics**
Thesis: "Some Issues of Bivariate Reliability Analysis in the Context of Two-dimensional Warranty Policy"
- **M.Sc. in Statistics**
Special Paper: Reliability, Quality Management, Operations Research (Industrial Statistics)
- **NET Qualified**

Academic Experience

Assistant Professor

April 2010 - Present

Department of Statistics, Sarsuna College - Kolkata, West Bengal

Guest Lecturer

July 2018 - March 2021

Sister Nivedita College for Women

Guest Lecturer

August 2007 - February 2009

Visva Bharati

Research Areas

- Reliability Analysis
- Statistical Quality Control

- Operations Research
- Maintenance Actions
- Education Technology
- Online Teaching Learning

Technical Skills

- R Programming
- MINITAB
- C Programming
- SPSS
- Advanced Microsoft Excel
- AI

Languages

English, Hindi, Bengali

UGC Listed Journal Publications

Gupta, S.K., Chattopadhyay, G. (2022): Early detection of reliability related problems from two-dimensional warranty data considering labor code priority index. *Reliability Engineering and System Safety*, 225, 108588.

Gupta, S.K., Mukhopadhyay, I., Chatterjee, A. (2022): Two-dimensional extended warranty length design from incomplete warranty data based on a new price curve considering different maintenance policies. *Computers & Industrial Engineering*, 170, 108323.

Gupta, S.K., Bhattacharya, D. (2022): Non-parametric estimation of bivariate reliability from incomplete two-dimensional warranty data. *Reliability Engineering and System Safety*, 222, 108385.

Gupta, S.K. (2022): Conditional failure profile analysis for multiple failure modes from incomplete two-dimensional warranty data. *Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability*, 236(5), 770-780.

Gupta, S.K., Sengupta, N. (2021): Webinar as the Future Educational Tool in Higher Education of India: A Survey-Based Study. *Technology, Knowledge and Learning*, 26, 1111-1130.

Gupta, S.K., De, S., Chatterjee, A. (2017): Some reliability issues for incomplete two-dimensional warranty claims data. *Reliability Engineering and System Safety*, 157, 64-77.

Gupta, S.K., De, S., Chatterjee, A. (2014): Warranty forecasting from incomplete two-dimensional warranty data. *Reliability Engineering and System Safety*, 126, 1-13.

Book Chapters

Gupta, S.K. (2021): Mobile Phone as an Educational Device during COVID-19 in Kolkata: A Case Study. In: Re-Imagining Post-Covid Education (Eds: Dr. P. Jayalakshmi & V.S.Murthy Valiveti), Cheras Publishing House, pp. 53-63.

Gupta, S.K. (2021): Modelling Of Two-Dimensional Warranty Data Through Copula. In: Modern Research and trends in engineering: Volume-1 (Eds: Dr. Suriya S., Mr Tajinder Singh kalsi), Amazon Publishers, pp. 1-6.

Gupta, S.K. (2021): Knowledge, Attitude and Practice towards e-education among the private school students of West Bengal. In: Cognitive Technologies in Education (Ed: Dr.M.S. Rivathi), Krishna Publication House, pp. 63-72.

Gupta, S.K. (2021): Smartphone as a Teaching Device During Covid-19: A Case Study. In: Teacher Education in India Concerns, Challenges and Innovations (Eds: Dr. Kiran Joshi, Dr. Manisha Singh), Yash Publications, pp. 60-75.

Academic Service & Leadership

- Teachers' Council Secretary (2021 - present)
- Member of Governing Body (2016 - 2022)
- Member of IQAC (2018 - present)
- Head of the Statistics Department (since 2010)
- Nodal officer of Students' Internship (Sc.)
- Member of Data entry committee

Funded Research Projects

- Two-dimensional Warranty Analysis: Some Issues (UGC Funded)
- Different Factors of Occupational Stress in West Bengal: Rural vs Urban (UGC Funded)
- Use of Information and communication technology in education in Birbhum District during and after COVID-19 (Visva Bharati Funded)

Journal Review Work

- Reviewer for Reliability Engineering and System Safety
- Reviewer for Computers and Industrial Engineering
- Reviewer for European Journal of Operations Research
- Reviewer for Technology, Knowledge and Learning
- Reviewer for Current Issues of Tourism

Professional Memberships

- Life Member of Calcutta Statistical Association

- Indian Society for Probability and Statistics (ISPS)

DISCLAIMER

I hereby declare that all the information furnished above is true to the best of my knowledge and belief.

Kolkata

Sanjib Kumar Gupta