



Name: **DR. PRASENJIT SINHA**

Date of Birth: 12th March, 1978

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Academic Qualifications: MSc (Burdwan, 2001), Jt. CSIR-UGC NET(JRF, June 2006), PhD (Gauhati, 2012)
Assistant Professor in ICV College, Belonia (27/4/2011 to 04/09/2011).

Past Service:

Joining in Tripura University: 5th September, 2011

Present Designation and Working Address: Assistant Professor, Department of Statistics, Tripura University, Suryamaninagar-799022, Tripura.

Work as Departmental Head-in-Charge:

1. From 11-07-2012 To 21-07-2015 (Three Years),
2. From 23-07-2018 To 22-07-2021 (Three Years) and
3. From 23-7-2024 To 22-7-2027 (Three Years).

Teaching Topics:

- Demography, Bayesian Inference, Multivariate Analysis, Linear Estimation Economic and Industrial Statistics etc.

Research Scholars:

	Name of Scholar	Thesis Title	Status	Remaks
1	Dr. Bimal Shil NET (Statistics), SET-NER (Mathematical Sciences)	Studies on Almost Sure Convergence and Possibility Theory	Awarded on July 24, 2024	Presently working as Assistant Professor in Tripura Santiniketan Medical College.
2	Dr. Jayanta Datta NET (Population Science)	Errors in Age Reporting in Census Data: Measure and Remedy	Awarded on April 23, 2025	Presently working as Statistical Officer, Tripura University.
3	Harsangsuam Halam NET-JRF(Mathematical Sciences)	Study of Some Statistical and Mathematical Methods in Automobile Insurance	Registered on 21-12-2023	Selected as Assistant Professor in General Degree College through TPSC
4	Akash Sinha	A Spatiotemporal Statistical Study of Rainfall in Tripura	Registered on 20-11-2024	
5	Hitabrata Chakraborty	Study of Statistical Depth Functions in Bayesian Modeling & Its Applications	Registered on 20-11-2024	

Publications in Journal/Book Chapter:

1. Nath, D. C. and Sinha, P. (2010). Development of a Model of Loss Reserving Based on Run-off Triangle and Its Applications to Indian Automobile Insurance. *The Strategist: Journal of Business Management*, Vol I, No I, P 1-6. ISSN: 0976-0393.
2. Nath, D. C. and Sinha, P. (2010). Bayesian Credibility Models for General Insurance and Its Applications. *Journal of Statistics Sciences*, Vol 2, No I, P 13-27. ISSN: 0975-1661.
3. Nath, D. C. and Sinha, P. (2011). Influence of socio-demographic factors on knowledge about addictive drugs of professional automobile drivers: A correspondence Analysis. P 284-300 (Chapter 26). *Population and Reproductive Health: Prospective and Issues*. Hindustan Publishing Corporation (India), New Delhi-110002. ISBN: 81-7075-089-X.
4. Nath, D. C. and Sinha, P. (2012). Models of Loss Reserving Based On Run-Off Triangle and Its Applications in Automobile Insurance. P 39-49, 2012. *East-West Journal of Mathematics*. ISSN: 1513-489X.
5. Nath, D. C. and Sinha, P. (July 2014). A Markovian Study of No Claim Discount System of Insurance Regulatory and Development Authority and Its Application. P 223-236. *Thailand Statistician*, ISSN: 16859057.
6. Dilip C. Nath, Prasenjit Sinha, M. Nazrul Islam (September, 2015). Socio-Economic and Demographic Risk Factors on the Onset of Mentally Disabled Elder Population in India. *ASR* Vol. 29. No. 2.
7. Sinha, Prasenjit et.al (Oct, 2020). Knowledge, Attitude, Practice and Perception Towards Covid-19 in North-Eastern States of India: An Online Cross Sectional Study. *AJPCR* Vol. 13. Issue 12.
8. Sinha, Prasenjit et.al (Nov, 2020). Anxiety, Obsession and Fear from Corona Virus in Indian Population: A Web Based Study Using Covid-19 Specific Scales. *IJCMPh*. Vol. 7(11).
9. Sinha, Prasenjit and Jayanta Datta (December, 2021). Quality Test on Age-Specific Literacy Data in Indian Census Using Whipple's Index. *Population Geography* (ISSN0256-5331). Vol. 43(2).
10. Sinha, Prasenjit et. al. (March, 2022). Glucose and insulin levels' linkages with breast cancer factors. *Global Journal of Obesity, Diabetes and Metabolic Syndrome* (ISSN: 2455-8583). Vol. 9(1), P. 020-025.
11. Sinha, Prasenjit et. al. (July, 2022). VNS Based MADM- Strategy under Possibility Environment. *Annals of Data Science*. (ISSN 2198-5812)
12. Sinha, Prasenjit et. al. (May, 2022). Inter-relationship between homeostasis model assessment of insulin resistance and breast cancer biomarkers. *Onkologia i Radioterapia*. Vol. 16, Issue 4, P 34-38.
13. Sinha, Prasenjit et. al. (February, 2023). Grey Relational Analysis–Based MADM Strategy Under Possibility Environment and Its Application in the Identification of Most Important Parameter Affecting Climate Change and the Impact of Urbanization on Hydropower Plants. *Process Integration and Optimization for Sustainability*. Volume 7, pages 599–608.
14. Sinha, Prasenjit et. al. (December, 2023). Reliability of age statistics: A probabilistic approach. *Journal of the Indian Society for Probability and Statistics*. Volume 24(2), pages 469–484.
15. Sinha, Prasenjit et. al. (January, 2024). Spatial Patterns of Heaping in Age Data among Literates, Illiterates, and Numeracy–Literacy Correlates: A Cross-Sectional Analysis of Census 2011, of India. *Indian Journal of Community Medicine*. Volume 49(1), pages 189–194.

16. Sinha, Prasenjit et. al. (December, 2024). Smoothing Census Age Returns Using Interpolation. Asian Journal of Statistics And Applications. Volume 1(2), pages 57-70.
17. Sinha, Prasenjit and Chakraborty, Hitabrata (August, 2025). Patterns of Success: Data-Driven Insights from the Educational Journeys of Global Achievers. Society, Education and Culture in the Contemporary World. ISBN: 978-93-48856-80-7, Pages: 275-283. SUN BEAM, Guwahati- 32, INDIA.
18. Sinha, Prasenjit, Halam, Harsangsuam and Shil, Bimal (September, 2025). Identification of the Best Insurance Provider Using Multi-Criteria Decision Making (MCDM). Journal of Emerging Technologies and Innovative Research, Volume 12(9), Pages: 481-487.
19. Sinha, Prasenjit et.al. (January, 2026). Non-Parametric Machine Learning for Predicting Soil Carbon Storage: A Comparative Analysis of Ensemble Methods. Boletim da Sociedade Paranaense de Matemática. Volume 44(1), pages 1-13.
20. Sinha, Prasenjit et.al. (January, 2026). Spatiotemporal Rainfall Variability and Trends in Tripura, India: Implications for Water Resource Management. Boletim da Sociedade Paranaense de Matemática. Volume 44(1), pages 1-11.
21. Sinha, Prasenjit et.al. (April, 2026). Topsis method-based MADM strategy under possibility environment and its application in the identification of the most important parameter that made effective the outcomes of Vidyajyoti school. Proceedings of the Jangjeon Mathematical Society. Volume 29(2), pp.405 – 425.

Google Scholar:

https://scholar.google.co.in/citations?hl=en&user=SZYfHGAAAAAJ&view_op=list_works&sortby=pubdate

Membership/Positions in Learned Academic Bodies/Organizations:

1. Life Member: Indian Society for Medical Statistics, New Delhi.
2. Life Member: Asian Population Association, Nakhon Pathom (Thailand).
3. Life Member: Association of Population Geographers of India.
4. Institutional Ethical Committee (IEC) Member (Basic Medical Scientist/ Statistician for 3 years w.e.f. 14.07.2025) Regional Research Institute for Homoeopathy, Agartala.
5. Institutional Ethical Committee (IEC) Member (Scientist for 3 years w.e.f. 18-05-2022) Regional Research Institute for Homoeopathy, Agartala.
6. External BUGS Member, Assam University, Silchar (for three years w.e.f. 28 March 2018).
7. External BUGS Member, M. B. B. University, Agartala for
 - a) four years w.e.f. 01 May 2020, and
 - b) four years w.e.f. 14 November 2024.

Seminar/ Conference/ Workshop/ Training Program/FDP etc. Participated:

1. Training: Advanced Training Program on Bayesian Statistics and Computation. *Vanue*: Banaras Hindu University. Dated: Feb18 - Mar 01, 2008.
2. Workshop: Surveillance Models, Issues & Methods. *Organized by*: I.S.I., Kolkata and Gauhati University. Dated: 7-8 March, 2008.
3. Workshop: Directional Data Analysis: Classical and Bayesian Methods. *Organized by*: I.S.I., Kolkata and Gauhati University. Dated: 24-26 March, 2008.
4. Workshop: Neural Networks and Applications. *Organized by*: I.S.I, Kolkata and Gauhati University. Dated: 15-17/12/2009.
5. Training: Advanced Training Program on Bayesian Statistics: Theory and Applications. *Vanue*: Banaras Hindu University. Dated: 21-27/12/2009.
6. Conference: IASP Conference XXXI. Poster Presentation: Socio-demographic Factors Explaining the Knowledge about Addictive Drugs of Professional Automobile Drivers: A Correspondence Analysis. *Venue*: S. V. University, Tirupati. Dated: 3 – 5 Nov, 2009.
7. Conference: ISMS Conference XXVII. Paper Presentation: A Markovian Approach of No Claim Discount Estimation and its Application. *Venue*: Institute of Medical Sciences, Banaras Hindu University. Dated: 27-29/11/2009.
8. Conference: 55th Annual Technical Session of Assam Science Society. Paper Presentation: A Stochastic Model for NCD Estimation and its Application in Automobile Insurance. *Venue*: Gauhati University. Dated: 15/02/2010.
9. Workshop: National Level Instructional Workshop on Cryptology. *Organized by*: Manipur University. Dated: May 5-7, 2010.
10. Conference: 32nd Annual Conference of IASP. Paper Presentation: Variations in the Influence of Selected Socio-Demographic Risk Factors on the Onset of Mentally Disabled Elder Population in India. *Venue*: Utkal University, Bhubaneswar. Dated: 28-30 November, 2010.
11. Workshop: Time Series and Regression analysis. *Organized by*: Gauhati University. Dated: 22-23 Dec, 2010.
12. NME-ICT: Saksham – IT Champion Training Program. *Organized by*: Microsoft and MHRD. *Venue*: Tripura University. Dated: 21st Nov – 01st Dec, 2011.
13. 29th Orientation Program (23rd June – 20 July, 2014). ASC, NEHU, Shillong.
14. Invited lecture: Workshop on Data Analysis Using SPSS (10th – 14th March, 2014), Tripura University.
15. Invited lecture: Workshop on Research Methodology in Social Sciences (21st – 30th March, 2015), ICSSR and Tripura University.
16. Organised one Workshop on 'Official Statistics' (13-15 Sep, 2014). ISI, Kolkata and Tripura University.
17. Science Academics' Refresher Course on Statistical Physics and Its Application (2nd May – 15th May, 2017). Department of Physics, Tripura University.
18. NPTEL 8 Weeks FDP: Descriptive Statistics with R Software (April, 2019).

19. Refresher Course on Science and Technology for Social Development organized by the FDC, Tripura University. 11th September to 25th September, 2019.
20. NPTEL 8 Weeks FDP: Introduction to Biostatistics (October, 2019).
21. Blended Online Training Program on Moodle, organized by NEHU, Shillong and NIELIT Guwahati (06th to 12th Oct, 2020).
22. Invited lecture on 'Localisation of SDGs' (06-04-2021), SIPARD, Tripura.
23. National Level Workshop on Pranayama, Organized by Department of Physical Education, Tripura University (6th to 12th April, 2022).
24. National Level Workshop on Basics of Ethics and Functioning of Ethics Committee, Organized by CCRH and FERCI. November 22-23, 2022.
25. Online 5-Day FDP on 'Mathematics and Computing', Organized by Department of Mathematics, The ICFAI University, Tripura (17-07-2023 to 21-07-2023).
26. Virtual FDP on 'Research Insights for Academic Excellence' Organized by Department of Mathematics, KPR College of Arts Science and Research, Coimbatore (03-08-2023 to 09-08-2023).
27. Paper Presentaed at Internatlonal Conference (online) International Hasankeyf Scientific Research and Innovation Congress, Turkey on 'Identification of the Most Important Parameter that Made Effective the Outcomes of Vidyajyoti Schools Using TOPSIS Strategy under Possibility Environment' (05-08-2023).
28. Paper Presentaed at Internatlonal Conference (online) 1 Bilseil International Ahlat Scientific Researches Congress, Turkey on 'Identification of the Most Important Rice Production Practice in Tripura using Tangent Similarity Measure Based MADM Strategy in Possibility Environment' (16-08-2023).
29. One- week online FDP on 'Data Analytics and Decision Making with Statistical Software for Entrepreneurs and Innovators' organized by Department of Mathematics & Statistics, Manipal University, Jaipur (August 27 to 31, 2024).
30. One-week online FDP on 'Advanced Statistical Software, Methodologies, and Data Visualization for Research Excellence' organized by Department of Mathematics & Statistics, Manipal University Jaipur (June 23-27, 2025).
31. Organised (Organising Secretary) 1st International Conference on Statistics, Data Science and Optimization (29-01-2026 - 31-01-2026) in Tripura University.
32. One-Week Online Faculty Development Program (FDP) on "Advanced Multivariate Data Analysis and Computational Tools for Research and Innovation" Dept. of Mathematics & Statistics, Manipal University Jaipur, Jaipur-303007 (June 29 to July 3, 2026).
33. Invited Lecture on " Unlocking the Potential of Administrative Data" in 'One Day Programme on Celebration of 20th National Statistics Day 2026 & Promotion of Digital Self Enumeration for Census 2027' Organised by Ramthakur College, Agartala (23-07-2026).