Mriganka Sekhar Dutta, Ph.D.

✉ dutta.mriganka82@gmail.com

in linkedin.com/in/mriganka-sekhar-dutta-45a21458

Employment History

January 2015 - Current 📕 **Assistant Professor of Mathematics** Nalbari College - Nalbari, India

Education

2013 – 2019 📕 **Ph.D., Gauhati University** Algebra and Coding Theory.
Thesis title: *A Study of Rings and Modules with Applications in Coding Theory.*

2012 – 2013 📕 **M.Tech. Computer Science, ISI, Kolkatta**
Have not completed M.Tech. in Computer Science at ISI, Kolkatta due to some unavoidable circumstances.

2009 – 2011 📕 **M.Sc. Mathematics, Tezpur University**
Project title: *Polar Decomposition of Bounded Linear Operators on Hilbert Spaces..*

2005 – 2009 📕 **B.Sc. Mathematics, Cotton College**

2003 – 2005 📕 **H.S. Science, Sibsagar Govt. HS and MP School**

Research Publications

Journal Articles

1 M. S. Dutta and H. K. Saikia, "Irreducibility of a formal power series with integer coefficients," *Journal of the Indian Math. Soc.*, vol. 88, No. 3-4, pp. 298–308, 2021.

2 M. S. Dutta and H. K. Saikia, "Some results on cyclic and negacyclic codes over formal power series rings and finite chain rings.," *Advances in Mathematics: Scientific Journal*, vol. 9, No. 10, pp. 8511–8524, 2020.

3 M. S. Dutta and H. K. Saikia, "A study of cyclic codes via a surjectie mapping," *MATEMATIKA*, vol. 34, No. 2, pp. 325–332, 2018.

Conference Proceedings

1 M. S. Dutta, "Polar Decomposition of Bounded Linear Operators on Hilbert Spaces.," in *3rd International Conference on Frontiers of Mathematics and Applications.*, University of Burdwan, West Bengal, India, 2014.

2 M. S. Dutta, "Factorization in Formal Power Series Ring over the Set of Integers.," in *UGC Sponsored National Seminar on Mathematics-It's Interdisciplinary Approaches in Modern Curriculum.*, D.C.B. Girls College, Jorhat, Assam, India, 2013.

3 M. S. Dutta, "Two New Partition Functions and Their Relations with Parts Number and One's Number for any Positive Number n.," in *UGC Sponsored National Seminar on Recent Trends in Mathematics and It's Applications.*, Digboi College in Collaboration with Dibrugarh University, Assam, India, 2013.

Books and Chapters

1   B. Das and M. S. Dutta, Eds., *An Overview on Perfect Number and Partition Theory.* Delhi, India: Research India Publications, 2013, ISBN: 978-81-89476-15-7.

Skills

Languages	■	Strong reading, writing and speaking competencies for English, Assamese and Hindi.
Coding	■	Python, R, C, MATLAB, Mathematica, LaTeX, …
Web Dev	■	HTML
Misc.	■	Academic research, teaching, LaTeX typesetting and publishing.

Miscellaneous Experience

Awards and Achievements

2014	■	**TIFR-GS in the year 2014.**
2012	■	**ISI, Kolkatta, MTech fellowship for a period of 2 years.**
	■	**Chief Minister's Scholarship (Govt. of Assam) for pursuing MTech/MSc at Institute of National Importance.**
20012	■	**CSIR-JRF with AIR-80 conducted jointly by CSIR and UGC in June 2012.**
2011	■	**TIFR-GS with AIR-6 in the year 2011.**
2010	■	**Qualified GATE in the year 2010.**
2003	■	**Hari Prasad Barua Memorial Award(State Award).**

References

Prof. Helen K. Saikia

Department of Mathematics

Gauhati University

Guwahati-14 , India