

Curriculum Vitae

Prof. (Dr.) CHANCHAL KUMAR DE

Current Address:

B20, HIT Campus, Haldia, P.O:Hatiberia, Haldia, Purba Medinipur-721657(W.B)

Email: chanchalkumarde@gmail.com

Biographical Information

- **Date of Birth:** 30th November 1981
- **Nationality:** Indian
- **Sex:** Male
- **Marital Status:** Married

Academic Qualifications

Year	Degree	Institution	Specialization	Grade/CGPA
2015	Ph.D.	NIT Durgapur	Wireless Communication & Networking	-
2007	M.Tech	WBUT	Embedded Systems	8.84 CGPA
2004	B.Tech	Vidyasagar University	Electronics & Telecommunication	7.02 CGPA

Professional Experience

Teaching & Administrative Roles

- **March 2019 – Present:** Professor & Head, Electronics and Communication Engineering, Haldia Institute of Technology, Haldia
- **September 2017 – March 2019:** Associate Professor & Head, Electronics and Communication Engineering, Haldia Institute of Technology, Haldia
- **February 2008 – September 2017:** Assistant Professor, Electronics and Instrumentation Engineering, Dr. B. C. Roy Engineering College, Durgapur

Key Responsibilities (Institutional)

- **Head of Department**, ECE, Haldia Institute of Technology
- **NIRF Coordinator**, HIT
- **Member**, IQAC, HIT
- **Convener**, R&D Monitoring Committee, HIT

- **Convener, Publication Committee, HIT**

Key Responsibilities (Outreach & Professional Activities)

- **Board of Studies (BOS) Member** at multiple universities
- **Editorial Board Member** for conference proceedings
- **Invited Speaker** at various conferences & seminars
- **Subject Matter Expert** for MOOC courses
- **Ph.D. Examiner**
- **Reviewer** for international journals, conferences, books, and book chapters
- **Session Chair** at academic conferences
- **Question Moderator** for university examinations

Research Supervision

Ph.D. Scholars (Guided/Ongoing)

Sl. No	Scholar Name	Thesis Title	Status
1	Mr. Mousam Chatterjee	Reliable Data Communication in Cooperative Communication Networks	Completed
2	Mr. Dipak Samanta	Efficient Spectrum Sharing Techniques in Cognitive Radio Network for Full-Duplex Communication	Ongoing
3	Mr. Jayanta Bag	Performance Analysis of Adaptive Underlay Overlay Full-Duplex Cooperative Communication in Cognitive Radio Network	Ongoing

Research Interests

- Radio Resource Management in Wireless Networks
- OFDM Technology
- Cooperative Communication & Cognitive Radio Networks
- Full-Duplex Communication

Courses Taught

- Analog & Digital Communication
- Digital Signal Processing
- Information Theory & Coding
- Probability & Random Process
- Data Structures
- Python Programming

Publications

Journals

1. Dipak Samanta, Chanchal Kumar De, Abhijit Chandra, *Performance analysis of NOMA based hybrid cognitive radio network assist by full-duplex relay*, Telecommunication Systems, Springer US, Vol. 88, Iss. 1, pp. 37, March, 2025 (SCI-IF 2.62).
2. Jayanta Kumar Bag, Dipak Samanta, Chanchal Kumar De, Abhijit Chandra, *Outage and throughput performance analysis of smart UAV-assisted full-duplex NOMA-based energy harvesting cognitive radio networks*, International Journal of Communication Systems, Springer, Vol. 37, Issue 6, pp. e5698, April 2024(SCI-IF 2.81).
3. Sweta Bijali Maity, Raj Kumar Maity, Jagannath Samanta, Chanchal Kumar De, Comments on “New low power and fast SEC-DAEC and SEC-DAEC-TAEC codes for memories in space application, Integration, Elsevier, Vol. 92, pp. 34-37, September 2023(SCI-IF 2.55).
4. Dipak Samanta, Chanchal Kumar De, Abhijit Chandra, *Performance analysis of full-duplex multirelaying energy harvesting scheme in presence of multiuser cognitive radio network*, IEEE Transactions on Green Communications and Networking, IEEE, Vol. 7, Iss. 2, pp. 626-634, Sept 2022(SCI-IF 5.3).

(More publications available: [tps://scholar.google.com/citations?user=I7uycV4AAAAJ&hl=en](https://scholar.google.com/citations?user=I7uycV4AAAAJ&hl=en))

Conference Proceedings (Selected)

1. Jayanta Kumar Bag, Chanchal Kumar De, Abhijit Chandra, *Performance Analysis of Adaptive Underlay/Overlay Full-Duplex Cooperative Communication in Cognitive Radio Network*, 2024 IEEE 5th India Council International Subsections Conference (INDISCON), PP. 1-6, September, 2024.
2. Dipak Samanta, Jayanta Kumar Bag, Chanchal Kumar De, Abhijit Chandra, *Performance Analysis of Energy Harvesting-Based Relay-Assisted CR Network Under Co-channel Interference Environment*, International Conference on Communication, Devices and Computing, Springer Nature Singapore, 685-705, March 2023.
3. S. Bhattacharjee, A. Saha, C. K. De, *Cooperative Spectrum Sharing with Multi-Antenna based Hybrid Relay*, IEEE SmartTech 2022.

(More publications available: [tps://scholar.google.com/citations?user=I7uycV4AAAAJ&hl=en](https://scholar.google.com/citations?user=I7uycV4AAAAJ&hl=en))

Declaration

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

□ **Date:** 11.03.2025

✍️ **(Dr. Chanchal Kumar De)**