

CV of: Dr. Monisha Devi

Name: DR. MONISHA DEVI

Designation: ASSISTANT PROFESSOR

Address for Communication: (office): Department of Computer Science and Engineering,
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Sex: Female

Date of Birth: 3rd July 1988

Educational Qualifications:

Sl. No.	Examination Passed	Year of passing	Board / Council / University	Specialization
1	HSLC/10 th Std.	2005	CBSE	Mathematics, Science, English, Hindi, Social Studies
2	HSSLC/10+2 Std.	2007	CBSE	Mathematics, Physics, Chemistry, Biology, English
3	Degree (Please Specify)	2012	Jorhat Engineering College (Dibrugarh University)	Computer Science
4	Master's Degree (Please Specify)	2015	Tezpur University	Information Technology
5	M. Phil. (Please Specify)	N/A	N/A	N/A
6	Ph. D. (Please Specify)	2022	Tezpur University	Computer Networks

7	Post-Doctoral (Please Specify)	N/A	N/A	N/A
8	Others(Please Specify)	GATE, UGC NET Lectureship		Computer Science

Languages known:

- Assamese
- English
- Hindi

Academic Experience:

- Assistant Professor (Contractual) in Tezpur University from March 2018 to December 2019.
- Guest Faculty in Tezpur University from January 2020 to June 2022.
- Assistant Professor in Girijananda Chowdhury University from August 2023 till date.

List of Publications:

Journals:

1. **Monisha Devi**, Nityananda Sarma, Sanjib K. Deka, "Single-Sided Truthful Auction Mechanism for Heterogeneous Channel Allocation in Cognitive Radio Networks", Wireless Networks (Springer), 2023.
2. **Monisha Devi**, Nityananda Sarma, Sanjib K. Deka, "A Single-Channel Single-Winner Auction Model for Homogeneous Channel Allocation in CRNs", Physical Communication, (Elsevier), 55, 2022.
3. **Monisha Devi**, Nityananda Sarma, Sanjib K. Deka, "A Double Auction Framework for Multi-Channel Multi-Winner Heterogeneous Spectrum Allocation in Cognitive Radio Networks", IEEE Access, 9, 72239-72258, 2021.
4. **Monisha Devi**, Nityananda Sarma, Sanjib K. Deka, "A Centralized Model Enabling Channel Reuse for Spectrum Allocation in Cognitive Radio Networks", Cybernetics and Information Technology, 21(2), 183-200, 2021.
5. **Monisha Devi**, Nityananda Sarma, Sanjib K. Deka, "Multi-Winner Spectrum Allocation in Cognitive Radio Networks: A Single-Sided Auction Theoretic Modelling Approach with Sequential Bidding", Electronics (MDPI), 10(5), 602, 2021.
6. **Monisha Devi**, Nityananda Sarma, Sanjib K. Deka, "Deployment of Auction Theoretic Models for Spectrum Allocation in Cognitive Radio Networks", Journal of Computer Science, 16(5), 632- 641, 2020.
7. **Monisha Devi** and Dipjyoti Deka, "A Survey on Routing Protocols for Cognitive Radio Networks", International Journal of Engineering Research and Technology (IJERT), ISSN: 2278- 0181, 2015.

Book Chapters:

1. **Monisha Devi**, Nityananda Sarma, Sanjib K. Deka, “DAMW: Double Auction Multi-Winner Framework for Spectrum Allocation in Cognitive Radio Networks”, 20th International Conference on Innovations for Community Services (I4CS) (CCIS, volume 1139), 2020.
2. **Monisha Devi**, Nityananda Sarma, Sanjib K. Deka, “Multi-Winner Heterogeneous Spectrum Auction Mechanism for Channel Allocation in Cognitive Radio Networks”, 16th International Conference on Distributed Computing and Intelligent Technology (ICDCIT) (LNCS, volume 11969), 2020.
3. **Monisha Devi**, Nityananda Sarma and Sanjib K. Deka, “A General Framework for Spectrum Assignment in Cognitive Radio Networks”, 11th International Conference on Advanced Computing and Communication Technologies (ICACCT) (AISC, volume 702), 2018.
4. **Monisha Devi**, Nityananda Sarma and Sanjib K. Deka, “Spectrum Allocation in Cognitive Radio Networks - A Centralized Approach”, 1st International Conference on Advanced Computational and Communication Paradigms (ICACCP) (LNEE, volume 475), 2017.

Conferences:

1. **Monisha Devi**, Nityananda Sarma, Sanjib K. Deka, “Spectrum Auction Mechanism based on Concurrent Bidding for Channel Allocation in Ad Hoc CRNs”, 18th IEEE INDICON, 2021.
2. **Monisha Devi**, Nityananda Sarma, Sanjib K. Deka and Prakash Chauhan, “Sequential Bidding Auction Mechanism for Spectrum Sharing in Cognitive Radio Networks”, 11th IEEE International Conference on Advanced Networks and Telecommunication Systems (ANTS), 2017.
3. **Monisha Devi**, Nityananda Sarma and Sanjib K. Deka, “Allocation and Access Mechanisms for Spectrum Sharing in CRNs- A Brief Review”, International Conference on Accessibility to Digital World (ICADW), 2016.
4. **Monisha Devi**, Nityananda Sarma and Sanjib K. Deka “Dynamic Virtual Backbone based Routing in Cognitive Radio Networks”, 9th IEEE International Conference on Advanced Networks and Telecommunication Systems (ANTS), 2015.

Research Experience:

1. DST INSPIRE Junior Research Fellow in Tezpur University during PhD.
2. Senior Research Fellow in MHRD sponsored Centre of Excellence project in Tezpur University.
3. Guided 1 B.Tech project, 2 MCA projects and 3 M.Tech projects.

Membership of Professional bodies:

1. IEEE (Institute of Electrical and Electronics Engineers) Member

Award, Fellowship & Recognition:

1. Recipient of DST INSPIRE Fellowship Award
2. Gold Medallist of MTech in Information Technology
3. Best Postgraduate Award by Tezpur University for the year 2015
4. Recipient of NEC Scholarship
5. Reviewer of following Journals:
 - IEEE Access
 - IEEE Communication Letters
 - IEEE Transactions on Mobile Computing
 - IEEE Wireless Communication Magazine
 - Physical Communication



Scanned Signature
(Monisha Devi)

Date: 06-12-2023