

CV of Dr. Monisha Devi

Name: DR. MONISHA DEVI

Designation: ASSISTANT PROFESSOR

Address for Communication: (office): Dept. of Computer Science and Engineering,
Girijananda Chowdhury University, Azara,
Guwahati - 781017

Mobile No.: 8638450388

WA No: 8638450388

Email: monisha_cse@gcuniversity.ac.in

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	Maths, Science, English, Hindi, Social Studies
2	HSSLC/10+2 Std.	2007	CBSE	Maths, Physics, Chemistry, Biology, English
3	Degree (B.E.)	2012	Dibrugarh University	Computer Science
4	Master's Degree (MTech)	2015	Tezpur University	Information Technology
5	M. Phil.(Please Specify)	N/A	N/A	N/A
6	Ph. D. (Computer Science)	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
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Languages known:English, Assamese, Hindi

(Read, Write & Speak)

Academic Experience: 4 years

1. March 2018 to December 2019: Assistant Professor (Contractual) in Tezpur University
2. January 2020 to June 2022: Guest Faculty in Tezpur University

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)*, May 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*, 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.

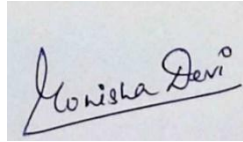
Research Experience:

- Doctoral thesis guided: N/A
- Research & Consultancy Projects: N/A

Membership of Professional bodies: N/A

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

A scanned image of a handwritten signature in black ink on a light-colored background. The signature reads "Monisha Devi" in a cursive script, with a horizontal line underneath the name.

Scanned Signature

Date:02.08.2023(Monisha Devi)