



ASSOCIATE PROFESSOR

Dr. Sangeeta Sen

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RESEARCH INTERESTS:

Graph Database, Semantic Web, IOT, AI/ML

EXPERIENCE:

Academics: 8.5 yrs

Industry: ---

EDUCATION:

1. PhD, NIT Durgapur, 2021
2. M.Tech, WBUT (In-house), 2011
3. B.Tech, Asansol Engineering College, 2008

Courses Taught:

Database Management System, Java, Cyber Security, Network Security and Cryptography

Projects Handled:

1. Domain: Cyber Security, Title: Decentralized Labor Management System using Block chain (Batch 2024-25)
2. Domain: Machine Learning, Title: Intelligent Resume Screening Tool(Batch 2024-25)
3. Domain: IOT, Title: Home Security System (Batch 2025-26)
4. Domain: Artificial Intelligent, GoSafe: Online Transportation System (Batch 2025-26)
5. Domain: Artificial Intelligent, InterViewPrep: Tool for online Mock Interview (Batch 2025-26)

Research Publications:

1. Singh, S., Kumar Thakur, H., Kumar Sourav, V., & Sen, S. (2025). A Requirement of Decentralized Labor Management System (DLMS). In 5th International Conference On Advanced Computational and Communication Paradigms (ICACCP). Springer Nature Singapore Pte Ltd.
2. Sen, S., Katoriya, D., Dutta, A., & Dutta, B. (2021). RDFM: An alternative approach for representing, storing, and maintaining meta-knowledge in web of data. Expert Systems with Applications, 179, 115043.

3. Sen, S., Malta, M. C., Dutta, B., & Dutta, A. (2021). State-of-the-art approaches for meta-knowledge assertion in the web of data. IETE Technical Review, 38(6), 672-709.
4. Sen, S., Malta, M. C., Katoriya, D., Dutta, B., & Dutta, A. (2020, December). Labeled k-partite Graph for Statement Annotation in the Web of Data. In 2020 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT) (pp. 63-71). IEEE.
5. Sen, S., Raza, N., Dutta, A., Malta, M. C., & Baptista, A. A. (2018, November). Developing a metadata application profile for the daily hire labour. In Proceedings of the International Conference on Dublin Core and Metadata Applications. Dublin Core Metadata Initiative.
6. Sen, S., Ghosh, M., Dutta, A., & Dutta, B. (2015, January). Hypergraph based query optimization. In 2015 International conference on computer communication and informatics (ICCCI) (pp. 1-8). IEEE.
7. Sen, S., Agrawal, A., Rathi, A., Dutta, A., & Dutta, B. (2015, June). An analytical approach for query optimization based on hypergraph. In 2015 12th International conference on electrical engineering/electronics, computer, telecommunications and information technology (ECTI-CON) (pp. 1-6). IEEE.
8. Sen, S., & Chaki, R. (2011, December). Handling write lock assignment in cloud computing environment. In Computer Information Systems–Analysis and Technologies: 10th International Conference, CISIM 2011, Kolkata, India, December 14-16, 2011. Proceedings (pp. 221-230). Berlin, Heidelberg: Springer Berlin Heidelberg.

Additional Responsibilities:

1. IIC convener (BCET)
2. Project Coordinator (Batch 24-25 and 25-26)
3. BOS Departmental Member
4. IQAC member

Achievements:

1. Secured 3rd position in M.Tech (IT) from W.B.U.T in 2011, and was awarded Bronze Medal.
2. Served as Program Committee member for the Conference WI-IAT 2023 - The 22nd IEEE/WIC International Conference on Web Intelligence and Intelligent Agent Technology, held in Venice, at Campus San Giobbe, from 26 to 29 October 2023.
3. Became Wipro Certified Faculty on Full Stack Java in 2024 and on AI/ML in 2025.
4. Became AICTE certified IIC Innovation Ambassador in 2025.