

Roneeta Purkayastha

Present Position: Assistant Professor-II

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Education:

- Pursuing PhD in Computer Science and Engineering, Adamas University, Kolkata, India
- M.Tech in Computer Science and Engineering, MAKAUT, West Bengal (formerly known as West Bengal University of Technology)
- B.Tech in Computer Science and Engineering, NIT Durgapur

Research Key Areas:

- Cloud Computing
- Artificial Intelligence

Experience:

- Assistant Professor, CSE, SOET, Adamas University, India, 2018- Present
- Lecturer, CST, KPC, India, 2015-2018

Research Publication (s)

For Details, Visit: <https://vidwan.inflibnet.ac.in/profile/163475>

Scopus indexed conferences

1. **Purkayastha R.**, Chakraborty T., Saha A., Mukhopadhyay D. (2020) Study and Analysis of Various Heuristic Algorithms for Solving Travelling Salesman Problem—A Survey. In: Mandal J., Mukhopadhyay S. (eds) Proceedings of the Global AI Congress 2019. Advances in Intelligent Systems and Computing, vol 1112. Springer, Singapore. https://doi.org/10.1007/978-981-15-2188-1_5
2. Purkayastha, R., & Roy, A. (2021, August). Object oriented modelling of cloud voting system. In *2021 Asian Conference on Innovation in Technology (ASIANCON)* (pp. 1-7). IEEE.
3. Purkayastha, R., & Roy, A. (2021, October). Static Structure of Smart Card based Cloud Voting System. In *2021 2nd Global Conference for Advancement in Technology (GCAT)* (pp. 1-9). IEEE.
4. Purkayastha, R., & Roy, A. (2022, February). A Study on Sequential Transactions Using Smart Card Based Cloud Voting System.

In *Innovations in Bio-Inspired Computing and Applications: Proceedings of the 12th International Conference on Innovations in Bio-Inspired Computing and Applications (IBICA 2021) Held During December 16–18, 2021* (pp. 643-653). Cham: Springer International Publishing.

Journal articles

1. Mukhopadhyay, D., Chakraborty, T., Saha, A., Mondal, K., & Purkayastha, R. (2023). Smart Mobile Device to Trace Moving Rogue Objects in Smart City Utilizing Dynamic Source Dynamic Destination Tracking Algorithm. *IETE Journal of Research*, 1-8.
2. Purkayastha, R., Roy, A. Decentralized and Secure Blockchain-Powered Smart Card-Based Cloud Voting System. *J. Inst. Eng. India Ser. B* **104**, 651–658 (2023). <https://doi.org/10.1007/s40031-023-00881-4>

Book chapters

1. Mohapatra, S., & Purkayastha, R. (2023). A Smart Contract-Based Framework for Value Addition in Retail Market. In *Recent Advances in Blockchain Technology: Real-World Applications* (pp. 301-317). Cham: Springer International Publishing.
2. Purkayastha, R., & Mohapatra, S. (2023). A Conceptual Model for Analysis of Plant Diseases Through EfficientNet: Towards Precision Farming. In *Innovations in Machine and Deep Learning: Case Studies and Applications* (pp. 401-417). Cham: Springer Nature Switzerland.
3. Hazra, S., & Purkayastha, R. (2024). Fashion Product Recommendation System Using CNN-Based ResNet50 Model. In *Innovative Applications of Artificial Neural Networks to Data Analytics and Signal Processing* (pp. 481-497). Springer, Cham.

Award/ Academic Recognition/ Major Professional Activity:

- Technical Committee Member/Reviewer of reputed International Conference like IHIC 2022
- Contribution as reviewer to the reputed Elsevier journal of Engineering Applications of Artificial Intelligence (December, 2022)

Signature: Roneeta Purkayastha
