

PROBIR MONDAL

Assistant Professor (W.B.E.S.)

Computer Science

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Major Interest Areas: Data Structure, Analysis of Algorithms, Graph theory, Programmin in Python, Digital Circuits and Design, Microprocessor, Bioinformatics

Academic Credentials:

- *Ph.D. pursuing*
- *M.Tech. In Computer Science & Engineering (2011- 13): Calcutta University, West Bengal, India*
- *M.Sc. In Computer and Information Science (2008 - 10): Calcutta University, West Bengal, India*
- *B.Sc. In Computer Science, Sarsuna College, Kolkata, West Bengal, India*

Teaching Experience

- *Kanyashree College – January 16, 2025 – Till date*
- *P. R. Thakur Govt. College – February 18, 2015 – January 15, 2025*

Research Interest:

- Bioinformatics
- Image processing
- Big Data

List of Publications:

1. “Visualizing Genetic Patterns: A Comparative Analysis of DNA Sequences Through Image Processing” - Mondal, Probir and Pal, Debranjana and Basuli, Krishnendu and Banerjee, Pratyay, International Journal of Microsystems and IoT, 2(2), 586–590, 2024 <https://doi.org/10.5281/zenodo.10803111>
1. “Estimation of Similarity between DNA Sequences and Its Graphical Representation” - Mondal P, International Journal of Recent Technology and Engineering (IJRTE), Volume - 9 Issue - 1, May 2020. <https://doi.org/10.35940/ijrte.F9389.059120>

List of Books/Book Chapters:

2. “Chapter 3 - Deep learning” - Probir Mondal and Pratyay Banerjee and Vinayak Majhi, Artificial Intelligence in e-Health Framework, Volume 1, Academic Press, 63-90, 2025, ISBN – 978-0-443-13816-4, <https://doi.org/10.1016/B978-0-443-13816-4.00003-6>
3. “OAIPM: Optimal Algorithm to Identify Point Mutation Between DNA Sequences”- Mondal P, Basuli K, In Proceedings of the International Conference on Advanced Computing Applications, Advances in Intelligent Systems and Computing, Volume 1406, Lisbon, Portugal, 20–21 September 2022; Springer: 393–401. https://doi.org/10.1007/978-981-16-5207-3_33

List of Honours/Awards:

- Qualified National Eligibility Test (NET) in Computer Science, June 2012
- Qualified Graduate Aptitude Test in Engineering (GATE) in Computer Science, 2012

Lecture Presentations:

- 2nd International Conference on Advanced Computing and Applications (ICACA 2021), March 28, 2021, talk title: “OAIPM: Optimal Algorithm to Identify PointMutation between DNA Sequences” – Mondal, P.
