



## Mamata Beura, M.tech.

**Designation :** Assistant Professor

**Department :** Department of Computer Science and Engineering  
(JOINED THE INSTITUTE IN YEAR 2025)

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### RESEARCH INTERESTS

- ✓ Artificial Intelligence and Machine Learning
- ✓ IoT
- ✓ Data Science

### Academic Qualifications

- ✓ Ph. D. Cont. (CSE), KIIT Deemed to be University, Bhubaneswar, India
- ✓ M.Tech. (CSE), Biju Pattnaik University of Technology, India
- ✓ B.Tech (CSE), Biju Pattanayak University of Technology, Bhubaneswar, India

### Teaching Experience/Industrial Experience/Research Experience

- ✓ More than 20 years of teaching experience.

## PUBLICATIONS

### JOURNAL ARTICLES:

1. Sasmita Kumarai Nayak, Swati Sucharita Barik, and **Mamata Beura**, Weather Forecasts Based on Rainfall Prediction Using Machine Learning Methodologies, ISSN NO-1301-2746, JUNE 2020.
2. Sasmita Kumarai Nayak, Swati Sucharita Barik, and **Mamata Beura**, "Analysis of infectious hepatitis disease with high accuracy using machine learning techniques." TEST Engineering & Management, 83, 2020.
3. S. P. Mishra, M. Siddique, **M. Beura**, and S. K. Nayak, Analysis of Indian Food Based on Machine learning Classification Models, Journal of Scientific Research and Reports, 27(7), 1-7, 2021.

### CONFERENCE PAPERS:

1. **Beura, Mamata**, et al. "Evaluating Deep Learning and Machine Learning Approaches for Prostate Cancer Detection." *2025 International Conference on Intelligent and Cloud Computing (ICoICC)*. IEEE, 2025.
2. P. K. Mallick, S. Rout, N. Padhy, J. R. Mohanty and **M. Beura**, "Gastrointestinal Lung Cancer Disease Classification via HybridDeep Architecture Trained with Improved Pattern Features," 2025 International Conference on Emerging Systems and Intelligent Computing (ESIC), Bhubaneswar, India, 2025, pp. 51-57, doi:10.1109/ESIC64052.2025.10962725.
3. **Mamata Beura**, et al, "Integrating Temporal and Spatial Learning for Prostate Cancer Prediction Using a Pruned 1D-CNN BiLSTMHybrid Model

### ANY OTHER

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### CERTIFICATION:

1. NPTEL Certification on Programming, Data Structures and Algorithms Using Python Funded by the MoE, Govt. of India Category: Elite
2. NPTEL Certification on Design and Analysis of Algorithm Funded by the MoE, Govt. of India Category: Elite

### PROFESSIONAL TRAINING :

1. Faculty Trainer of Intel AI training Program, October, 2024.
2. Foundation and associated developer course of Robotics Process Automation (RPA) in Blue prism environment under EDUSKILL.
3. Future Ready Contributor Advance Level Training certificate issued on 12th April 2022 from Illumine Foundation in collaboration with Tata Steel Foundation.