



Pradipta Kumar Pattanayak, M.Tech.

Designation: Sr. Assistant Professor

Department: Department of Computer Science and Engineering
(JOINED THE INSTITUTE IN 2003)

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RESEARCH INTERESTS

- ✓ Text Mining
- ✓ Machine Learning
- ✓ Financial Data Analysis
- ✓ Data Mining

ACADEMIC QUALIFICATIONS

Ph.D., Engineering (Thesis Submitted), Biju Patnaik University of Technology, India

M.Tech. Computer Science and Engineering, Utkal University, Bhubaneswar, India

TEACHING EXPERIENCE:

- ✓ 19 years of teaching experience
- ✓ 3 years of Industrial Experience (Virtusa India Pvt. Ltd. Hyderabad, Persistent System Pvt. Ltd., Pune, IBM Bangalore)

PUBLICATIONS

JOURNAL ARTICLES:

- [1]. **P. K. Pattanayak**, R. M. Tripathy, and S. Padhy, "A semi-supervised approach of short text topic modeling using embedded fuzzy clustering for twitter hashtag recommendation," Discover Sustainability, vol. 5, Apr. 2024. doi: 10.1007/s43621-024-00218-1.
- [2]. **P. K. Pattanayak**, R. M. Tripathy, and S. Padhy, "A novel heuristic for graph-based topic modeling using spectral clustering," Journal of Theoretical and Applied Information Technology, vol. 102, pp. 664–672, Jan. 2024.

CONFERENCE PAPERS:

- [1]. **P. K. Pattanayak**, R. M. Tripathy, and S. Padhy, "Unveiling healthcare insights through graph-based topic modeling" in Xavier International Conference on Artificial Intelligence, Xavier press, 2024.
- [2]. M. R. Senapati, **P. K. Pattanayak**, S. N. Dehuri, P. K. Dash, and P. Ganapati, "A genetic programming approach for training radial basis functional neural networks" in Proceedings of the 3rd International Conference on E-Learning and E-Technologies in Education (iceee 2004), Kuala Lumpur, Malaysia, 2006, pp. 683–687.

SKILLS:**SUBJECT EXPERTISE:**

- Design and Analysis of Algorithm(DAA)
- Machine Learning
- Data Structure
- Programming in C
- OOPs using C++
- OOPs using Java
- Operating System
- Soft Computing.
- Unix System Programming
- Python Programming
- R Programming

ANY OTHER
