Faculty Profile

Name: **Ms. Pallavi Mishra**

Designation: **Faculty Associate**

Teaching Areas: Data Structure, Discrete Mathematics, Operating Systems, Database Management Systems, Data Science, Artificial Intelligence, Machine Learning, Deep Learning.

Research Interests: Soft Computing Techniques, Natural Language Processing, Machine Learning Models, Large Language Models.

Education:

- Ph.D. (CSE), FST(IcfaiTech), ICFAI Foundation for Higher Education. Hyderabad, Telangana,2024
- MTech (IT), Utkal University, Vani Vihar, Bhubaneswar,2019
- B.Tech (CSE), BPUT University, Bhubaneswar,2016

Research / Selected Publications:

1. Mishra, Pallavi. "Big data digital forensic and cybersecurity." *Big data analytics and computing for digital forensic investigations* 183 (2020).https://doi.org/10.1201/9781003024743

2. Mishra, Pallavi, and Sachi Nandan Mohanty. "Collaborative Filtering Techniques: Algorithms and Advances." *Recommender Systems*. CRC Press, 2021. 181-220. https://doi.org/10.1201/9780367631888.

3. Mishra, Pallavi, and Sachi Nandan Mohanty. "Development of Healthcare System Using Soft Computing Methods." *Proceedings of the International Health Informatics Conference: IHIC 2022*. Singapore: Springer Nature Singapore, 2023. http://dx.doi.org/10.1007/978-981-19-9090-8_1

4. Mishra, Pallavi, and Sandeep Kumar Panda. "Dependency Structure-based Rules using Root Node Technique for Explicit Aspect Extraction from Online Reviews." *IEEE Access* (2023). https://doi.org/10.1109/ACCESS.2023.3287830

5. Mishra, Pallavi, Omisha Sharma, and Sandeep Kumar Panda. "ADN-BERT: Attention-Based Deep Network Model Using BERT for Sarcasm Classification." *International Conference on Frontiers of Intelligent Computing: Theory and Applications*. Singapore: Springer Nature Singapore, 2023. https://doi.org/10.1007/978-981-99-6702-5_51

6. Desai, D. D., Dey, J., Satapathy, S. K., Mishra, S., Mohanty, S. N., Mishra, P., & Panda, S. K. (2023). Optimal Ambulance Positioning for Road Accidents with Deep Embedded Clustering. *IEEE Access*. https://doi.org/10.1109/ACCESS.2023.3284993