

FORMAT

1. **Name:** Dr. Shashwati Mishra

2. **Qualification:** M.C.A., M. Tech, Ph. D

3. **Designation:** Assistant Professor

4. **Email Id:** shashwati.mishra@bjbcollege.in

5. **Area of interest:** Data Mining, Artificial Intelligence, Machine Learning,
Image Processing



6. **Area of research:** Data Mining, Artificial Intelligence, Machine Learning, Image Processing

7. **Teaching Area:**

- UG : C Programming, Data Structure, Operating System, Java Programming, Web Technologies, Design and Analysis of Algorithms, Artificial Intelligence
- PG: Data Mining, Computer Graphics, Network Security

8. **Total No. of Teaching Experience:**

- UG: 14 years
- PG: 5 Years

9. **Research Supervision**

- Completed (M.Phil./Ph.D./D.Sc./D.Litt.)

Srl. No.	Name of the Student	Degree	University	Title of the Thesis	Date of Registration	Date of Submission	Date of Award of Degree

- Ongoing (M.Phil./Ph.D./D.Sc./D.Litt.)

Srl No.	Name of the Student	Degree	University	Title of the Thesis	Date of Registration

10. **Publication Profile**

a) **Research Articles Published:**

1. Mishra, S., Panda, G. C., & Sana, S. S. (2025). A study on the factors influencing the implementation of AI and its impact on human capital. *International Journal of Knowledge-Based Development*, 15(2), 210-232.
2. Mishra, S., & Panda, M. (2021). Medical Image Thresholding Using Genetic Algorithm and Fuzzy Membership Functions: A Comparative Study. In *Research Anthology on Multi-Industry Uses of Genetic Programming and Algorithms* (pp. 896-916). IGI Global.
3. Mishra, S., & Panda, M. (2020). Hybrid Approach of Medical Image Classification Using

Sparsity Regularization and BAT Algorithm. *INFOCOMP Journal of Computer Science*, 19(1).

4. Mishra, S., & Panda, M. (2018). Bat algorithm for multilevel colour image segmentation using entropy-based thresholding. *Arabian Journal for Science and Engineering*, 43, 7285-7314.
5. Mishra, S., & Panda, M. (2018). Medical image retrieval using self-organising map on texture features. *Future Computing and Informatics Journal*, 3 (2): 359-370.
6. Mishra, S., & Panda, M. (2017). A histogram-based classification of image database using scale invariant features. *International Journal of Image, Graphics and Signal Processing*, 9(6), 55.
7. Mishra, S., & Pradhan, C. (2011). Multi-Class Manifold Preserving Isomap Using Sammon's Projection. *IUP Journal of Computer Sciences*, 5(3).
8. Mishra, S., & Pradhan, C. (2011). Similarity Consideration for Visualization and Manifold Geometry Preservation. *International Journal of Computer Applications*, 16(2), 36-39.

b) **Book Chapters Published:**

1. Mishra, S., & Panda, G. C. (2024). AI in Neurological Disorders:: A Systematic Review. *Computational Intelligence for Oncology and Neurological Disorders*, 51-65.
2. Mishra, S., & Panda, M. (2021). Applications of Feature Engineering Techniques for Text Data. In *Handbook of Research on Automated Feature Engineering and Advanced Applications in Data Science* (pp. 182-194). IGI Global.
3. Mishra, S., & Panda, M. (2019). Artificial intelligence in medical science. In *Intelligent Systems for Healthcare Management and Delivery* (pp. 306-330). IGI Global.

c) **Books Published:**

d) **Articles Published in Newspapers/Magazines:**

11. **Research Projects**

Name	Department	Type (major / minor)	Name of the funding agency	Funds provided (inRs. in lakhs)	Title of the project	Month and year of receiving grant	Duration of the project	Completed/ongoing (Date of Completion/expecting completion)

11. **Paper presented in Conferences/Seminars**

1. Mishra, S., & Panda, M. (2019, December). Image Retrieval Using Bat Optimization and Image Entropy. In *International Conference on Innovations in Bio-Inspired Computing and Applications* (pp. 10-18). Cham: Springer International Publishing.
2. Mishra, S., & Panda, M. (2018). Histogram of oriented gradients-based digit classification using naive Bayesian classifier. In *Progress in Computing, Analytics and Networking: Proceedings of ICCAN 2017* (pp. 285-294). Springer Singapore.
3. Pradhan, C., & Mishra, S. (2011, April). Optimized ISOMAP algorithm using similarity matrix.

In 2011 3rd International Conference on Electronics Computer Technology (Vol. 5, pp. 212-215). IEEE.

12. Invited Lectures/Special Lectures/Resource persons or presentation at Conferences/Workshops

13. Awards and Distinctions

- Gold medal for securing highest marks in M.C.A.
- Vice-Chancellor's Silver Medal for securing highest CGPA in M. Tech
- Best paper presentation award in the International Conference on Innovations in Bio-Inspired Computing and Applications, 2019.

14. Association with Professional Bodies