

## Faculty Profile



**Name: Dr. ASHISH KUMAR CHAKRAVERTI**

**Designation: Associate Professor**

**Teaching Areas:** Data Structures, Design and Analysis of Algorithm, Discrete Structure, Theory of Computation, Machine Learning, Deep Learning, Computer Vision

**Research Interests:** Brain Computer Interface, Image Segmentation, Image Classification, Medical Image Processing

### Education:

- Ph.D., Computer Science and Engineering, IKG-PTU, Jalandhar, Punjab, India, 2019
- M.E., Computer Science and Engineering, RGPV, Bhopal, MP, India, 2010
- B.Tech., Computer Science and Engineering, UPTU, Lucknow, UP, India, 2005.

### Research / Selected Publications:( SCIE-3, SCOPUS/UGC Listed -3, Others-12)

- [1] S. Chakraverti, P. Agarwal, H. S. Pattanayak, S. P. S. Chauhan, A. K. Chakraverti, and M. Kumar, 'De-noising the image using DBST-LCM-CLAHE: A deep learning approach', *Multimed Tools Appl*, vol. 83, no. 4, pp. 11017–11042, 2024.
- [2] P. Singh, M. K. Singh, N. Singh, and A. K. Chakraverti, 'IoT and AI-based Intelligent Agriculture Framework for Crop Prediction', *International Journal of Sensors Wireless Communications and Control*, vol. 13, no. 3, pp. 145–154, 2023.
- [3] S. Bhushan, M. Alshehri, I. Keshta, A. K. Chakraverti, J. Rajpurohit, and A. Abugabah, 'An experimental analysis of various machine learning algorithms for hand gesture recognition', *Electronics (Basel)*, vol. 11, no. 6, p. 968, 2022.
- [4] A. K. Chakraverti. & Y. S. Neeraj Kumar, 'Synthesis and Analysis of Prediction Errors and Error Fusion based Prior for Prediction Algorithms', *Multimed Tools Appl*, p. [https–doi](https://doi.org/10.1007/s00531-021-02100-0), 2021.

**Patent Awarded: 8**