

Faculty Profile



Name: Dr. Bharati Patel

Designation: Assistant Professor, Faculty of Science and Technology, ICFAI University, Raipur

Teaching Areas: Artificial Intelligence, computer network, computer organization and architecture, digital logic and design, Programming language in C, C++, DBMS, data structure.

Research Interests: Image Processing, Data science, AI, Machine and Deep Learning.

Education:

- PhD in Computer Science and Engineering, NIT Raipur, 2023.
- M.Tech in Computer technology and application, SSCET, Bhilai, 2015.
- B.Tech in Information Technology, SSCET, Bhilai, 2012.

Patents: 01 and Funded Projects: NIL

Research / Selected Publications :(SCIE: 04, Scopus: 01, and Google h-index: 4)

- B. Patel, A. Sharaff, and S. Verulkar, “Statistical growth analysis of rice plants in Chhattisgarh region using automated pixel-based mapping technique,” *International Journal of System Dynamics Applications*, vol. 11, no. 1, pp. 1–20, 2022.
- B. Patel, and A. Sharaff, “Rice crop disease prediction using machine learning technique,” *International Journal of Agricultural and Environmental Information Systems*, vol. 12, no. 4, pp. 1–15, 2021.
- B. Patel, and A. Sharaff, “Rice variety classification and yield prediction using semantic segmentation of agro-morphological characteristics,” *Multimedia Tools and Applications*, pp. 1–18, 2023.
- B. Patel, and A. Sharaff, “Automatic rice plants disease diagnosis using gated recurrent network,” *Multimedia Tools and Applications*, pp. 1–20, 2023.
- B. Patel, and A. Sharaff, “A comprehensive survey of rice plant disease detection and classification using image processing methods and machine learning techniques”, to *Multimedia Tools and Applications*.