

Faculty Profile



Name: Dr. SANTOSH KUMAR SAHOO

Designation: Assistant Professor

Teaching Areas: Computer Network, Operating System, Data structure, Network Security, Database Management System, C, C++, JAVA and Python

Research Interests: Cloud Computing, Vehicular Fog Computing and Machine Learning

Education:

- Ph.D from SoA University, Bhubaneswar in 2020
- M.Tech (CSE), KIIT University, Bhubaneswar, Odisha, 2008

Research / Selected Publications:

1. **S. K. Sahoo**, S. Das, S. K. Panda, “Alzheimer’s disease classification using Brain MRI based on 2D CNN and Transfer Learning”, “International Conference on Communications and Cyber-Physical Engineering (ICCCE – 2023)”, 2023
2. S. K. Panda, S. Das, **S. K. Sahoo** “Predominant Music Genre Classification using Machine Learning Approach”, “International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA-2023)”, 2023
3. S. K. Panda, S. Das, **S. K. Sahoo**, “Vehicle Detection and Classification using Intelligent Systems”, “International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA-2023)”, 2023
4. **S. K. Sahoo**, A. K. Nayak, “A research on energy efficient multiple query optimization in WSN”, “International Journal of Recent Technology and Engineering”, Vol. 8, no. 2S11, pp. 2158-2162, 2019
5. **S. K. Sahoo**, A. U. Khan, A. K. Nayak, “Efficient Task and Data Scheduling Policy for Vehicular Fog Computing Based on Link Weight”, “International Journal of Recent Technology and Engineering”, Vol. 8, no. 4, pp. 10693-10697, 2019

Book Chapters

1. D. K. Murala, S. K. Panda, **S. K. Sahoo**, “Securing Electronic Health Record System in Cloud Environment using Blockchain Technology”, “Recent Advances in Blockchain Technology, 2023

Patents:

1. Optimization of car buying criterion using a multi-class classification model
2. An extreme learning machine (ELM) based crop yield prediction system and method using Borda count technique”