Ashok Kumar Panda, Ph.D.

Designation : Assistant Professor

Department : Department of Computer Science & Engineering

(JOINED THE INSTITUTE IN 2024)

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RESEARCH INTERESTS
- Data Mining
- Evolutionary Algorithms
- Optimization

Academic Qualifications

Ph. D. (Computer Science), Utkal University, India

M. Tech. (Computer Science), Utkal University, India

MCA, Utkal University, India

Specialisation: Database management System

Teaching Experience/Industrial Experience/Research Experience
- ✓ 25 years of Teaching Experience

PUBLICATIONS

JOURNAL& CONFERENCES

[1]. **Ashok Kumar Panda**, Chinmayee Pati " Swarm based Image Fusion Technique for Change Detection using Remote Sensing Images" International Journal of Intelligent Systems and Applications in Engineering, *ISSN: 2147-6799, Volume-12 Issue-05, 2024* Pages: 33-36

[2]. Chinmayee Pati, **Ashok Kumar Panda**, Ajaya Kumar Tripathy, Sateesh K. Pradhan, Srikanta Patnaik "A novel hybrid machine learning approach for change detection in remote sensing images" Engineering Science and Technology, an International Journal *ISSN: 2215-0986 Volume 23, Issue 5, October 2020, Pages 973-981.*

[3]. **Ashok Kumar Panda**, Chinmayee Pati "Unlocking the Potential of Machine learning and Deep learning Algorithms in recent Communication: AI the best revolutionary tool in Current era" China Petroleum Processing and Petrochemical Technology, Volume 23, Issue 2, October 2023 Pp. 2794-2805

[4]. **Ashok Kumar Panda**, Jagannath Patel "A Reducing Workload On Real-Time Database Using Machine Learning Based Transaction Scheduling" *Turkish Journal of Computer and Mathematics Education (*TURCOMAT)*, ISSN: 1309-4653, Volume-12 Issue-09, 2020* Pages: 2945-2956

[5]. **Ashok Kumar Panda**, Jagannath Patel "A Modified IDE Algorithm for Improving Transaction Scheduling Performance in Real-Time Databases" Design Engineering, *ISSN: 0011-9342 Volume-2021 Issue-05,* Pages: 2061-2071

[6]. **Ashok Kumar Panda**, Jagannath Patel "Algorithms for improving transaction scheduling performance in real-time databases" *International E-Conference Women Empowerment in the world (Various Sector), Dec. 2020 ISBN:* 978-93-5437-392-3 Pages: 366-375

[7]. **Ashok Kumar Panda**, Jagannath Patel "Design of an improved Genetic Algorithm model for enhancing efficiency of transaction scheduling" *International Conference on Emerging New World* (ICENW-2021) 26-28 July, 2021

[8]. Chinmayee Pati, Ajaya Kumar Tripathy, **Ashok Kumar Panda** & Sateesh Kumar Pradhan "Convolution and Recurrent Neural Network Fusion for Human Action Recognition in Controlled Environment" RESEARCH REVIEW International Journal of Multidisciplinary *ISSN: 2455-3085 (Online) Volume-04, Issue-06, June-2019*, P 397 -401

[9]. Chinmayee Pati, Ajaya Kumar Tripathy, **Ashok Kumar Panda** & Sateesh Kumar Pradhan "A Novel Approach for Fingerprint Classification using Optimized Support Vector Machine" RESEARCH REVIEW International Journal of Multidisciplinary *ISSN: 2455-3085 (Online) Volume- 04, Issue-06, June-2019, P 393-396*

[10]. Chinmayee Pati, Ajaya Kumar Tripathy, **Ashok Kumar Panda** & Sateesh Kumar Pradhan "Ensemble of Support Vector Machines for Change Detection in Remotely-Sensed Land Cover Images" RESEARCH REVIEW International Journal of Multidisciplinary *ISSN: 2455-3085 (Online) Volume- 04, Issue-06, June-2019*, P 387-392

[11]. P. Sunil Kumar, **Ashok Kumar Panda** "Use of association rule mining in higher secondary Education in Odisha"International Journal on Advanced Computer Theory and Engineering (IJACTE) ISSN (Print): 2319-2526 Volume 2 Issue 6,P31-35

[12]. **Ashok Kumar Panda**, Bikram Kesari Rath, Jagannath patel, "Efficient Transaction Scheduling Algorithms for Overloaded Real-Time Database Systems" Samsmriti, ISSN: 0976-304x, Vol 9, Issue 1, January-June 2015, P50-55

[13]. P. Sunil Kumar, **Ashok Kumar Panda**, Satyaranjan Mohapatra" Mining the factors affecting failure of students pursuing secondary education in rural areas". International Journal on Computer Science and

A N Y O T H E R

TRAINING PROGRAMME ATTENDED

- Participated in the ISTE-AICTE sponsored short term training program on Operation Management by the Dept. of Management, BIT, Mesra, Ranchi held during 16th to 27th December 2002.

- Participated in the AICTE sponsored two weeks training programme on Statistical computing in VGSOM, IIT, Kharagpur.

MEMBERS OF PROFESSIONAL BODIES

- ISTE (Life Member)
- OITS (Life Member)

RESEARCH GUIDANCE

- M. Tech. (CS) Students   :   21 (Awarded under Utkal University)
- Ph.D. (CSE) Students   :   04 (Continuing under BPUT)