



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
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Academic Qualifications

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

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

Teaching Experience/Industrial Experience/Research Experience

- ✓ 25 years of Teaching Experience

PUBLICATIONS

JOURNAL ARTICLES & CONFERENCE PAPERS

- [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]. Snehasis Dey, **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" *Samskriti*, 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 on Technology (IJCST)*, ISSN : 0976-8491 (Online) | ISSN : 2229-4333 (Print), *IJCST Vol. 5, Issue Spl - 2, Jan - March 2014*

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)