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Designation : Sr. Assistant Professor
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RESEARCH INTERESTS

- ✓ Machine Learning
- ✓ Deep Learning
- ✓ Medical Image Analysis
- ✓ Data Science and Analytics
- ✓ Video Coding

Academic Qualifications

- Ph. D. (Computer Science and Engineering) in IIT Bhubaneswar
- M. Tech. (Electronics & Communication Engineering), BPUT, Odisha
- B. Tech. (ETC), BPUT, Odisha

Teaching Experience/Industrial Experience/Research Experience

- Teaching Experience : More than 10 years
- Research Experience : More than 6 years

PUBLICATIONS: JOURNAL & CONFERENCES

Journals:

1. Figlu Mohanty, Suvendu Rup, **Bodhisattva Dash** "Automated diagnosis of breast cancer using parameter optimized kernel extreme learning machine" Biomedical Signal Processing and Control, Elsevier, 62, (2020), doi: 10.1016/j.bspc.2020.102108, IF: 3.137
2. Figlu Mohanty, Suvendu Rup, **Bodhisattva Dash**, Banshidhar Majhi, MNS Swamy "An improved scheme for digital mammogram classification using weighted chaotic salp swarm algorithm-based kernel extreme learning machine" Applied Soft Computing, Elsevier, 91:106266(2020), doi: 10.1016/j.asoc.2020.106266, IF: 5.472
3. Santos Kumar Baliarsingh, Swati Vipsita, **Bodhisattva Dash**, "A new optimal gene selection approach for cancer classification using enhanced Jaya-based forest optimization algorithm" Neural Computing Applications, Springer, 32(12): 8599-8616 (2020), doi: 10.1007/s00521-019-04355-x, IF:4.774
4. Santos Kumar Baliarsingh, Swati Vipsita, Khan Muhammad, **Bodhisattva Dash**, Sambit Bakshi "Analysis of high-dimensional genomic data employing a novel bio inspired algorithm" Applied Soft Computing, Elsevier, 77: 520-532 (2019), doi: 10.1016/j.asoc.2019.01.007, IF: 5.472
5. Figlu Mohanty, Suvendu Rup, **Bodhisattva Dash**, Banshidhar Majhi, MNS Swamy "Mammogram classification using contourlet features with forest optimization-based feature selection approach" Multimedia Tools and Applications, Springer, 78(10): 12805-12834 (2019), doi: 10.1007/s11042-018-5804-0, IF: 2.313
6. Figlu Mohanty, Suvendu Rup, **Bodhisattva Dash**, Banshidhar Majhi, MNS Swamy "A computer-aided diagnosis system using Tchebicheffeatures and improved grey

- wolf optimized extreme learning machine" *Applied Intelligence*, Springer, 49(3): 983-1001 (2019), doi:10.1007/s10489-018-1294-z, IF: 3.325
7. Figlu Mohanty, Suvendu Rup, **Bodhisattva Dash**, Banshidhar Majhi, MNS Swamy "Digital mammogram classification using 2D-BDWT and GLCM features with FOA-based feature selection approach" *Neural Computing Applications*, Springer, 32(11): 7029-7043 (2020), doi:10.1007/s00521-019-04186-w, IF: 4.774
 8. **Bodhisattva Dash**, Suvendu Rup, Figlu Mohanty, and M.N.S. Swamy "A hybrid block-based motion estimation algorithm using JAYA for video coding techniques" *Digital Signal Processing*, Elsevier, 88: 160-171 (2019), doi: 10.1016/j.dsp.2019.01.016, IF: 2.871
 9. **Bodhisattva Dash**, Suvendu Rup, Anjali Mohapatra, Banshidhar Majhi, M.N.S. Swamy "Decoder side Wyner-Ziv frame estimation using Chebyshev polynomial-based FLANN technique for distributed video coding" *Multidimensional Systems and Signal Processing*, Springer, 30(3): 1031-1061 (2019), doi:10.1007/s11045-018-0594-0, IF:1.810
 10. **Bodhisattva Dash**, Suvendu Rup, Anjali Mohapatra, Banshidhar Majhi, M.N.S. Swamy "Decoder driven side information generation using ensemble of MLP networks for distributed videocoding" *Multimedia Tools and Applications*, Springer, 77(12): 15221-15250 (2018), doi: 10.1007/s11042-017-5103-1, IF:2.313
 11. **Bodhisattva Dash**, Suvendu Rup, Anjali Mohapatra, Banshidhar Majhi, M.N.S. Swamy "Multi-resolution extreme learning machine-based side information estimation in distributed video coding" *Multimedia Tools and Applications*, Springer, 77(20): 27301-27335 (2018), doi:10.1007/s11042-018-5921-9, IF: 2.313

Conferences :

1. Figlu Mohanty, Suvendu Rup, **Bodhisattva Dash** "An Improved CAD Framework for Digital Mammogram Classification Using Compound Local Binary Pattern and Chaotic Whale Optimization-Based Kernel Extreme Learning Machine" *International Conference on Artificial Neural Networks*, pp. 14-23, Greece, 2018
2. Figlu Mohanty, Suvendu Rup, **Bodhisattva Dash** "Compound Local Binary Pattern and Enhanced Jaya Optimized Extreme Learning Machine for Digital Mammogram Classification", *International Conference on Intelligent Data Engineering and Automated Learning*, pp. 1-8, 2018
3. **Bodhisattva Dash**, Suvendu Rup, "An Improved Block-Matching Algorithm Based on Chaotic Sine-Cosine Algorithm for Motion Estimation", *International Conference on Artificial Neural Networks*, pp. 759-770, Greece, 2018.
4. MJ Bagchi, F Mohanty, S Rup, **Bodhisattva Dash**, B Majhi," Digital Mammogram Classification Using Compound Local Binary Pattern Features with Principal Component Analysis Based Feature Reduction Approach", *International Conference on Advances in Computing and Data Sciences*, 2018.
5. Vinod Kumar, Figlu Mohanty, **Bodhisattva Dash**, Suvendu Rup, "A hybrid computer-aided diagnosis system for abnormality detection in mammograms", *2nd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT)*, pp. 496-500, Bangalore, 2017
6. **Bodhisattva Dash**, Suvendu Rup, Anjali Mohapatra, Banshidhar Majhi, "An Effective Side Information Generation Scheme for Wyner-Ziv Video Coding", *8th International Conference on Advanced Computational Intelligence*, pp. 296-301, Chiang Mai, Thailand, 2017.