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Designation: Associate Professor

Department: Department of Electronics & Communication Engg
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RESEARCH INTERESTS:

- Signal processing & Communication;
- Applied soft-computing for solving engineering problems.

Academic Qualifications:

Ph. D., Jadavpur University, India.

B.E., M. E., Sambalpur University, India.

Teaching Experience/Industrial Experience/Research Experience

- ✓ Teaching experience : More than 21 Years
- ✓ Research experience : More than 09 years

PUBLICATIONS

JOURNAL & CONFERENCES:

[1] **J. Dash**, B. Dam, R. Swain, "Design and implementation of sharp edge FIR filters using hybrid differential evolution particle swarm optimization," International Journal of Electronics and Communications (AEÜ), vol. 114, pp. 1–16, Feb. 2020.

[2] **J. Dash**, B. Dam, R. Swain, "Improved firefly algorithm based optimal design of special signal blocking IIR filters," Measurement, Journal of the International Measurement Confederation (IMEKO), vol. 149, pp. 1–12, Jan. 2020.

[3] **J. Dash**, B. Dam, R. Swain, "Implementation of narrow-width automatic digital tuner using popular swarm intelligence technique," Engineering Applications of Artificial Intelligence, vol. 79, pp. 87–99, Mar. 2019.

[4] **J. Dash**, B. Dam, R. Swain, "Design of multipurpose digital FIR double-band filter using hybrid firefly differential evolution algorithm," Applied Soft Computing, vol. 59, pp. 529–545, Oct. 2017.

[5] **J. Dash**, B. Dam, R. Swain, "Optimal design of linear phase multi-band stop filters using improved cuckoo search particle swarm optimization," Applied Soft Computing, vol. 52, pp. 435–445, Mar. 2017.

[6] J. Dash, "A Design Approach for Double-band Pass Filter using Functional-linked Cat Swarm Optimization Algorithm," **Best Paper Award**, 19th OITS IEEE International Conference on Information Technology, pp. 121–125, (OCIT), Dec. 2021.

[7] J. Dash, B. Dam, R. Swain, "Design of sharp cut-off digital tuner using firefly algorithm," IEEE International Conference on Information Technology, pp. 131–136, Dec. 2017.

[8] J. Dash, R. Swain, B. Dam, "Design of Linear Phase Band Stop Filter using Fusion based DEPSO Algorithm," Computational Intelligence in Data Mining, Springer, vol. 410(1), pp. 273-281, Jan. 2016.

[9] G.K. Kanungo, N. Singh, **J. Dash**, A Mishra, "Mammogram Image Segmentation Using Hybridization of Fuzzy Clustering and Optimization Algorithms," Intelligent Computing, Communication and Devices, Springer, vol. 309(2), pp.403-413, Aug. 2014.

ANY OTHER

Professional Membership :- Sr Member, IEEE; LMISTE.
