

## **Dr.Gupteswar Sahu**

Associate Professor

### **Department**

ECE

### **Academic Background:**

Ph.D.-NIT Jamshedpur

M.Tech-IIT Guwahati

B.Tech-MITS,Odisha

Dr.G.Sahu has rich experience in the field of Signal processing and communication systems. He has been proficient in teaching subjects like Analog communications, Digital Communications, Signals and systems, Digital signal processing and Digital Image processing.

He has published more than 15 papers in various International Journals and conferences which are UGC Approved.

He is a member of various professional bodies like IEEE, ISTE.

### **Research Interests:**

Bio Medical signal processing  
Digital Image and video processing

### **Achievements:**

- Published paper on, "Non-Stationary Signal Classification via Modified Fuzzy C-Means Algorithm and Improved Bacteria Foraging Algorithm," International Journal of Numerical Modeling: Electronic Networks, Devices and Fields, vol. 30, issue-2, 2017, (SCI).

- Published paper on, "Time-Frequency Analysis of Non-Stationary Waveforms in Power-Quality via Synchrosqueezing Transform," International Journal of Applied Engineering Research, vol. 12, no.13, pp. 3714-3718. (Scopus).
- Published paper on, "Spectral Estimation using CLP Model and its application in Speech Processing ", Proceedings of International Workshop on Image and Signal Processing (WISP' 07), IIT, Guwahati, INDIA, Dec- 28-29, 2007.
- Published paper on, "Performance Analysis of Instantaneous Frequency Estimator Using an Effective Modified Stockwell Transform" ECTI Transactions on Electrical Engineering, Electronics, and Communications, 2018.
- Published paper on, " Regressive Linear Prediction with Doublet for Speech Signals " , Proceedings of IEEE International Conference on Control System, Computing and Engineering, (ICCSCE-2011), Penang, Malaysia, Nov- 25-27,2011.
- Published paper on, "Analysis of ECG Signals using Advanced Wavelet Filtering Approach," Proceedings of International Conference on Computational Intelligence in Data Mining, 2015, vol. 2, pp. 427-436. (Springer).
- Published paper on, "Comparison of Alamouti & MRC Schemes over Various Channels for Free Space Optics" Proceedings of IEEE International Conference on Electrical, Electronics, Signals, Communication and Optimization (ESCO-2015), 2015
- Published paper on, "Simultaneous Power-Quality Disturbances Analysis Using Modified S-Transform and Evolutionary Approach," International Conference on Micro-electronics, Electromagnetics and Telecommunications (ICMEET-2017), Springer, Hyderabad, India, Sept. 9-10, 2017.