



## Nalini Singh, M.Tech.

**Name** : Nalini Singh

**Designation** : Assistant Professor

**Department:** Department of Electronics & Instrumentation  
Engineering (JOINED THE INSTITUTE IN 2007)

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### RESEARCH INTERESTS

- Biomedical Signal Processing
- Biomedical Electronics

### Academic Qualifications

Ph. D. (Information & Communication TEchnology), F. M. University, India (Thesis Submitted)

M. Tech. (Communication System Engg.) KIIT University, India

### Teaching Experience/Industrial Experience/Research Experience

More than thirteen years of teaching experience.

## PUBLICATIONS

### JOURNAL & CONFERENCES

[1]. **N. Singh** and S. Dehuri, "Multiclass Classification of EEG Signal for Epilepsy Detection Using DWT SVD and Fuzzy KNN Classifier", Intelligent Decision Technologies: An International Journal, vol. 14, pp. 239-252, 2020, DOI 10.3233/IDT-190043.

[2]. **N. Singh** and S. Dehuri, "Epilepsy Detection from EEG Signal Using Singular Value Decomposition and ELM Classifier", International Journal of Biomedical Engineering and Technology, Inderscience (**In press from September 2019**).

- [3]. **N. Singh** and S. Dehuri, "Usage of Deep Learning in Epileptic Seizure Detection through EEG Signal", 3rd International Conference on Nanoelectronics, Circuits & Communication Systems, pp. 73-77, 2018, DOI: 10.1007/978-981-13-0776-8
- [4]. Guru Kalyan Kanungo, **Nalini Singh**, Judhithir Dash and Annapurna Mishra, "Mammogram Image Segmentation Using Hybridization of Fuzzy Clustering and Optimization Algorithms" vol. 309, pp. 403-413, 2014, ISSN : 978-81-322-2009-1.
- [5]. **Nalini Singh**, Ambarish G Mohapatra, Biranchi Narayan Rath and Guru Kalyan Kanungo, "GUI Based Automatic Breast Cancer Mass and Calcification Detection in Mammogram Images using K-means and Fuzzy C-means Methods", vol. 2, no. 1, pp. 15-21, DOI: 10.7763/IJMLC.2012.V2.81
- [6]. **Nalini Singh**, Ambarish G Mohapatra and Guru Kalyan Kanungo, Breast Cancer Mass Detection in Mammograms using K-means and Fuzzy C-means Clustering , vol. 22, no.2. pp. 15-21, DOI: 10.5120/2557-3507

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**ANY OTHER**

Book Chapter  
Conferences attended