



## Rekha Sahu, Ph.D.

**Designation** : Assistant Professor

**Department** : Department of Computer Science and Engineering

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### RESEARCH INTERESTS

- ✓ Spiking Neural Network
- ✓ Deep Learning
- ✓ Machine Learning
- ✓ Neural Network
- ✓ Fuzzy theory
- ✓ Rough set theory
- ✓ Game theory

### Academic Qualifications

Ph. D. (Computer Science), KIIT deemed to be University, India

M. Tech. (computer science), Utkal University, India

### Teaching Experience/Industrial Experience/Research Experience

- ✓ Teaching experiences(18 years)

## PUBLICATIONS

### JOURNAL & CONFERENCES

- [1]. R. Sahu, S. R. Dash, L. A. Cacha, R. R. Poznanski, & S. Parida (2020). "Epileptic seizure detection: a comparative study between deep and traditional machine learning techniques." *Journal of Integrative Neuroscience*, 19(1), 1-9.
- [2]. R. Sahu, S. R. Dash, L. A. Cacha, R. R. Poznanski, & S. Parida (2021). Classifier Implementation for Spontaneous EEG Activity during Schizophrenic Psychosis. *Computación y Sistemas*, 25(3).

- [3]. R. Sahu, S. R. Dash, Sujit Das. "Nurse Allocation in Hospital: Hybridization of Linear Regression, Fuzzy Set and Game-Theoretic Approaches" *Sadhana*, 47(3).
- [4]. S.R. Dash & R. Sahu (2020). "Perfect Services of Nurses Provided by Hospital using Game Theory". *Journal of Information Technology Research (JITR)*, IGI Global.
- [5]. R. Sahu, S. R. Dash, Sujit Das (2021). "Career selection of students using hybridized distance measure based on picture fuzzy set and rough set theory." *Decision Making: Applications in Management and Engineering*, 4(1), 104- 126.
- [6]. R. Sahu, P. K. Bharimalla & S. R. Dash (2020). "Resources' Planning for Cloud Computing Using Different Types of Regression Analysis." In *Smart Intelligent Computing and Applications* (pp. 419-428). Springer, Singapore.
- [7]. S.R. Dash & R. Sahu (2019). "Prediction of death rate using regression analysis." In *Emerging Technologies in Data Mining and Information Security* (pp. 735-745). Springer, Singapore.
- [8]. S. Pal, P. Das, R. Sahu, & S. R. Dash (2021). Study of Neuromarketing with EEG Signals and Machine Learning Techniques. *Machine Learning for Healthcare Applications*, 33-56