Subham Kumar Padhy, M.Tech.

Designation: Assistant Professor

Department: Department of Computer Science and Engineering

(JOINED THE INSTITUTE IN 2024)

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RESEARCH INTERESTS
- ✓ Biomedical Informatics, Data Science, Predictive Modeling
- ✓ Neural Networks, Explainable AI
- ✓ Medical Image Analysis, Signal Processing
- ✓ Artificial Intelligence

Academic Qualifications

Ph.D. (continuing), Computer Science and Engineering, IIIT Bhubaneswar, India

M.Tech and B.Tech,Computer Science and Engineering, BPUT, Odisha, India

Teaching Experience/Industrial Experience/Research Experience
- ✓ 2 Years

PUBLICATIONS

JOURNAL ARTICLES & CONFERENCE PAPERS
- ✓ **Subham KumarPadhy**, Anjali Mohapatra, and Sabyasachi Patra "Classification of CardiovascularDisease Information System Using Machine Learning Approaches." *Computational Intelligence in Healthcare Informatics*, Springer Nature, 2024.
- ✓ **Subham Kumar Padhy**, Anjali Mohapatra, and Sabyasachi Patra "Analysis Deep Learning Approaches to PredictCardiacArrhythmia in ECG Signals." *2023 IEEE 11th Region 10 HumanitarianTechnologyConference (R10-HTC)*. IEEE, 2023.

- ✓ **Subham Kumar Padhy**, Anjali Mohapatra, and Sabyasachi Patra. "Heart Sound Classification Based on MFCC Feature Extraction and Long-Short Term Neural Networks." *2023 2nd International Conference on Ambient Intelligence in Health Care (ICAIHC)*. IEEE, 2023.

CERTIFICATTION COURSES

- ✓ Global Initiative for Academic Networks (GIAN) course (Health AI: Artificial Intelligence Applications in Healthcare)by the Indian Institute of Technology (IIT) Indore in collaboration with the Ministry of Human Resource Development,Government of India, January 2022.

WORKSHOP ATTENDED

- ✓ Digital Data and Tools for Managing Agriculture: Focusing on Earth Observation Data and Climate Change, organized jointly by IIIT-BH, IWMI and IEEE-GRSS Kolkata Chapter during December 21-23,2023 at IIIT Bhubaneswar.
- ✓ "Data Science and Machine Learning for Remote Sensing [DSMLRS]" from 23rd – 25th January 2024, jointly organised by IIIT-Bh, IEEE GRSS Kolkata Chapter and IEEE AP-S at IIIT Bhubaneswar, Odisha.