Sarthak Padhi, M.Tech.

Designation : Assistant Professor

Department : Department of Computer Science and Engineering

(JOINED THE INSTITUTE IN 2024)

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RESEARCH INTERESTS
- ✓ Medical Image Analysis
- ✓ Machine Learning in Image Processing
- ✓ Computer Vision

Academic Qualifications

Ph.D. (Cont.), IIIT Bhubaneswar, India

M.Tech. (CSE), IIIT Bhubaneswar, India

B.Tech. (CSE), IIIT Bhubaneswar, India

Teaching Experience/Industrial Experience/Research Experience
- ✓ Teaching Experience: 2 years
- ✓ Research Experience: 5 years

PUBLICATIONS

CONFERENCE PROCEEDINGS

[1]. **S. Padhi** and S. Rup, "Recent advances in extreme learning-based approaches for breast cancer diagnosis," in 2019 International Conference on Information Technology (ICIT), IEEE, 2019, pp. 494–499.

[2]. **S. Padhi**, S. Rup, S. Saxena, and F. Mohanty, "Mammogram segmentation methods: A brief review," in 2019 2nd International Conference on Intelligent Communication and Computational Techniques (ICCT), IEEE, 2019, pp. 218–223.

[3]. R. K. Lenka, K. M. Nayak, and **S. Padhi**, "Automated testing tool: Qtp," in 2018 International Conference on Advances in Computing, Communication Control and Networking (ICACCCN), IEEE, 2018, pp. 526–532.

[4]. R. K. Lenka, **S. Padhi**, and K. M. Nayak, "Fault injection techniques-a brief review," in 2018 International Conference on Advances in Computing, Communication Control and Networking (ICACCCN), IEEE, 2018, pp. 832–837.

BOOK CHAPTERS

[1]. S. Panda, **S. Padhi**, V. Gupta, J. S. Suri, and S. Saxena, "Application and constraints of AI in radiomics and radiogenomics (RnR) studies of neuro-oncology," in Radiomics and Radiogenomics in Neuro-Oncology, Elsevier, 2024, pp. 267–300.

[2]. M. G. Singh, S. Saxena, **S. Padhi**, and S. Rup, "Brain cancer and World Health Organization," in Radiomics and Radiogenomics in Neuro-Oncology, Elsevier, 2024, pp. 57–83.

INVITED SESSIONS

[1]. Technical Expert, Hands-on session on "Medical image Processing using Artificial intelligence in Python platform" for "National Workshop on Medical Image Analysis using Artificial Intelligence", at Gayatri Vidya Parishad College of Engineering, Vishakhapatnam, India. 22 April, 2024

[2]. Resource Person, "TEQIP-III Sponsored 5 days STTP on Introduction to MATLAB and its Application", at DRIEMS Autonomous Engg. College, Cuttack, India. 10-14 November, 2019.