

Faculty Profile

Name: Mr. SABHAPATHY MYAKAL



Designation: University Academic Fellow

Teaching Areas: Machine learning, Deep learning, Computer vision, Artificial Intelligence
Formal languages and Automata Theory, Compiler Design, Principles of
Programming Languages.

Research Interests: Machine learning, Reversible data hiding, Deep learning, Image processing
Video processing and Computer vision.

Education:

- (PhD), University of Hyderabad (2018-2024)
- M.Tech (Artificial Intelligence), University of Hyderabad, Hyderabad, 2007.

Research / Selected Publications:

Journals/Conference

- Myakal, S., Pal, R. and Naveen, N., 2021. Reversible data hiding technique using multi-layer perceptron based prediction and adaptive histogram bin shifting. In *Soft Computing for Problem Solving: Proceedings of SocProS 2020*, India.
- Myakal, S., Pal, R. and Naveen, N., 2023, June. A Novel Pixel Value Predictor Using Long Short Term Memory (LSTM) Network. In *Intl Conf on Multi-Disciplinary Trends in Artificial Intelligence (MIWAI)*. (Indexed in Scopus).
- Myakal, S., Pal, R. and Naveen, N., 2023, June. Pixel Value Prediction Task: Performance Comparison of Multi-Layer Perceptron and Radial Basis Function Neural Network. In *Intl Conf on Multi-Disciplinary Trends in Artificial Intelligence (MIWAI)*. India, (Indexed in Scopus).
- Myakal, S., Pal, R. and Naveen, N., 2024, 'Investigation of pixel neighbourhood for prediction error-based reversible data hiding using neural networks', *Int. J. Ad Hoc and Ubiquitous Computing*, Accepted on 30th Aug, 2024. (Indexed in Scopus and SCIE)