Faculty Profile

Name: Dr. M. Priyadharshini

Designation: Assistant Professor

Teaching Areas: Data Mining, Data Structures, Machine Learning

Research Interests: Machine Learning

Education: (Degree, Institution, Location, Year of Completion)
- **Ph.D.,** Bharathiyar University, Coimbatore, Tamil Nadu. 2022
- **M.Phil.,** Bharathiyar University, Coimbatore, Tamil Nadu. 2013
- **MCA,** Anna University, Tamil Nadu, 2010

Research / Selected Publications:

Journals

1. M.Priyadharshini, "**Towards Cleaner Industries: Smart Cities' Impact on Predictive Air Quality Management**", IEEE Access, ISSN 2169-3536, Vol.12, pp 78895-78910, June-2024. (DOI: 10.1109/ACCESS.2024.3406502).
2. M. Priyadharshini "**Clearing the Air: A Multi-Objective Approach to Industrial Air Pollution Prediction with Bi-Directional Stacked LSTM Model**", Journal of Earth Science Informatics, Springer. (https://doi.org/10.21203/rs.3.rs-4427504/v1).
3. M. Priyadharshini " **EcoSense: A Revolution in Urban Air Quality Forecasting for Smart Cities**", BMC Research Notes. (https://doi.org/10.21203/rs.3.rs-4342593/v1).
4. M.Priyadharshini, "**Hybrid Multi-Label Classification Model for Medical Applications Based on Adaptive Synthetic Data and Ensemble Learning**", Sensors - MDPI, ISSN 1424-8220, Vol.23, Issue-15, July-2023. (https://doi.org/10.3390/s23156836)
5. M.Priyadharshini, "**Review of Classification Algorithms for Multi-Label Analysis**", Journal of Advanced Research in Dynamical & Control Systems (JARDCS), ISSN 1943-023x, Special Issue 5, Vol.10, pp.1330-1337, April 2018.

Patents

6. Samala Suraj Kumar, Kalyan Chatterjee, Dr. M. Priyadharshini, S Ramachandra Reddy, Selvamuthukumaran.N, Tummala Abhinav Vardhan Reddy, Mandadi Sriya Reddy, Avula Sachin, "**VOICE BASED ATM MACHINE FOR BLIND USERS**", Indian patent granted on 23th January, 2024 with cbr Number: 201139 (Ref. Application No.405473-001).