



Mrs. E. Saraswathi.

Assistant Professor(Sr.G)

Department of CSE, CET, SRMIST,

Ramapuram Campus, Chennai.

Mail id: saraswae@srmist.edu.in

E. Saraswathi is working as Assistant Professor in the Department of CSE at SRMIST, Ramapuram campus. She obtained Bachelor's degree in Computer Science and Engineering from Madras University. Then obtained her Master's degree in Computer Science and Engineering from Anna University and Pursuing her PhD in Computer Science majoring in Deep learning from SRM INSTITUTE OF SCIENCE AND TECHNOLOGY CHENNAI. She has published more than 10 articles in National and International Journals and Conferences.

Area of Research:

Machine learning, Networking, Artificial Intelligence, and Deep Learning.

Selected Publications:

1. Saraswathi, E., Vivek, Chattopadhyay, A., Ravichandra, G., Solanki, S. A novel platform for higher education credit system based on block chain *International Journal of Engineering and Advanced Technology*, 2019, 8(4), pp. 18–24
2. Saraswathi, E., Kant, K., Ranjan, H., Kumar, A., Anand, A. “Predictive analytics to SQL injection attack detection and prevention” *International Journal of Innovative Technology and Exploring Engineering*, 2019, 8(6), pp. 65–70
3. Published paper on ”Smart Assistant for the Visually Impaired” *Journal of Advanced Research in Dynamical & Control Systems*, Vol. 10, 14-Special Issue, 2018
4. Published paper on “Application of Informatics and Collaboration Platform” in *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, ISSN: 2278–3075 (Online), Volume-8 Issue-6, April 2019, Page No.:65-70.
5. Published paper titled on “Robust Blockchain Digital Copyright Protection Scheme Based on Digital Watermarking” *International Journal of Engineering and Advanced Technology (IJEAT)* ISSN: 2249-8958, Volume-8 Issue-4, April 2019
6. E. Saraswathi, P. Kulkarni, M. N. Khalil and S. Chandra Nigam, "Credit Card Fraud Prediction And Detection using Artificial Neural Network And Self-Organizing

Maps," 2019 3rd International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2019, pp. 1124-1128, doi: 10.1109/ICCMC.2019.8819758

7. Agnal, A.S., Saraswathi, E., Saravanan, M., Subha, "ABTAS: An automated baggage tracking and alert system using RF technology." *International Journal of Engineering and Technology(UAE)*, 2018, 7(4), pp. 2978–2981
8. Jaichandran, R., Saraswathi, E., Nagappan, A., Somasundaram, K., Lakshminarayana, V. "Study on energy efficiency of hybrid fault detection methods in verification and validation of wireless sensor network data" *Journal of Advanced Research in Dynamical and Control Systems*, 2017, 9(1), pp. 41–49
9. Saraswathi, E., Subha, K., Jaichandran, R. & S, R. (2018). Game-based learning using enhanced fuzzy cognitive maps. *Journal of Advanced Research in Dynamical and Control Systems*, 10(14):1694–1700.
10. Saraswathi, E., & FarithaBanu, J. (2023, January). A Novel Ensemble Classification Model for Plant Disease Detection Based on Leaf Images. In *2023 International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF)* (pp. 1-7). IEEE.
11. Zhang, H., Meng, F., Wang, G., Saraswathi, E., & Ruby, D. (2022). Research on the Dynamic Monitoring System of Intelligent Digital Teaching. *Journal of Interconnection Networks*, 22(Supp05), 2147016.
12. Selvanambi, R., Victor, A., Arunkumar, G., Kannadasan, R., Sarawathi, E., & Rajkumar, S. (2022). Image denoising using block matching and convolutional neural network. *Journal of Electronic Imaging*, 31(4), 041218-041218.

Patents:

1. Smart Intrusion Detection System for Network Security Situational Awareness. Application No:202241028183A, Publication Date:27//05/2022.
2. Machine Learning based Automatic Health care System to predict , Diagnosis and detection of knee joint diseases using Image enhancement and segmentation techniques. Application No- 202341041354,Publication Date:17/06/2023

Professional Bodies:

1. Member in Internet Society
2. International Association of Engineers (IAENG) (Member No: 142691), Hongkong, HK.

3. Member in Computer Science Teachers Association

Google Scholar:

<https://scholar.google.com/citations?user=s3dzAhwAAAAJ&hl=en>