Dr. N.Suganthi, M.Tech., Ph.D.,

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Dr. N. Suganthi is working as Assistant Professor in the Department of CSE at SRMIST, Ramapuram campus. She holds a Ph. D degree in the field of Computer Science and Engineering from Sathyabama Institute of Science and Technology. She has 15 years of teaching experience with good programming skills. She is a recognized supervisor under SRMIST and guiding 1 scholar at present. She is certified in various courses from NPTEL and courser. She has published articles in National and International Journals, Conferences and Symposiums.

Area of Research:

Wireless Networks, Machine Learning, IoT

Publications:

1. Sujatha, E., Loganathan, V., Raju, D.N., Suganthi, N."Interactive Business Intelligence System Using Data Analytics and Data Reporting" *Lecture Notes in Networks and Systems*, 2023, 681, pp. 539–557.

2. Kanchana, M., Gopirajan, P.V., Sureshkumar, K., Sudharsanan, R., Suganthi, N. "IoT-Based Water Quality Monitoring and Detection System" *Lecture Notes in Networks and Systems*, 2023, 681, pp. 35–45.

3. Venkataramana, A., Suresh Kumar, K., Suganthi, N., Rajeswari, R., "Prediction of Brinjal Plant Disease Using Support Vector Machine and Convolutional Neural Network Algorithm Based on Deep Learning", in Journal of Mobile Multimedia, 2022, 18(3), pp. 771–788.

4. Deshpande, P., Suganthi, N., Nirmala, G., ...Thalor, M.A., Asenso, E., "Metaheuristic Deep Learning-Driven Wireless Communication Security Adaptation Using Multivariate Analysis of Variance (MANOVA) Security and Communication Networks, 2022, 8426997.

5. Kumar, K.S., Suganthi, N., Muppidi, S., Kumar, B.S., "FSPBO-DQN: SeGAN based segmentation and Fractional Student Psychology Optimization enabled Deep Q

Network for skin cancer detection in IoT applications" Artificial Intelligence in Medicine, 2022, 129, 102299.

6. Loganathan, V., Suganthi, N., Jenitha Mary, L., Mohanaprakash, T.A., "Classifications of Yoga Poses by through Image enhancement CLF Technique", Indian Journal of Computer Science and Engineering, 2022, 13(6), pp. 2023–2034.

7. Suganthi, N., Suresh Kumar, K., " Efficient Spectrum Allocation in Wireless Networks Using Channel Aggregation Fragmentation with Reservation Channels" in *Lecture Notes on Data Engineering and Communications Technologies,* , 2022, 91, pp. 647–663.

8. N.Suganthi and S.Meenakshi, "An Efficient Scheduling Algorithm Using Queuing System to Minimize Starvation of Non-Real-Time Secondary Users in Cognitive Radio Network" in Cluster Computing, Springer (Web of Science). https://doi.org/10.1007/s10586-017-1595-8.

9. S.Ramakrishnan, N.Suganthi(2019),"Improved cluster stability in adhoc vehicle network", in International Journal of Innovative Technology and Exploring Engineering, Vol 8(12), pp 4565 – 4571.

10. Pa.Dhakshayeni, N.Suganthi(2019),"An Efficiency of Timing to route discovery in mobile sink by using WSN", in International Journal of Innovative Technology and Exploring Engineering, Vol 8(12), pp 4559 – 4564.

Patents:

1. Image CAPTCHA Cropping using Symbols - March 2020.

2. Smart Women Self defense system using IoT based device – June 2022.

3. Design and development of Customer Behaviour Prediction using Web Usage Mining – July 2022.

Professional Bodies:

1. Associate Member IEI (The Institution of Engineers).

2. Life member ISTE (Indian Society for Technical Education).

3. Life member IAENG (International Association of Engineers)

Google Scholar:

https://scholar.google.com/citations?user=7ycVPbwAAAAJ&hl=en

Scopus:

https://www.scopus.com/authid/detail.uri?authorId=57211446415