

Faculty Profile

Dr.T.Sujithra

Assistant Professor,

Department of Computer Science and Engineering

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Academic Background

Degree	University	Year
Ph.D	Anna University, Chennai	Jan-2017
M.Tech	Anna University, Chennai	2012
B.Tech	Anna University, Chennai	2008

Courses Taught

- Machine Learning
- Managing Virtual Environments
- Evolutionary Computation
- Data Structures
- Evolutionary Computation

Research Interests

- Wireless Sensor Networks
- Internet of Things
- Machine Learning

Most recent Publications

- Dr.T.Sujithra, “Deep Learning Based Violence Detection from Videos”, Springer Smart Innovation, Systems, and Technologies (SIST) series, 2021. (In press) (Scopus Indexed).
- Dr.T.Sujithra, “Multi-model Neural Style transfer for Audio and Image”, Springer –Advances in Intelligent Systems and Computing (AISC) series, 2021 (In Press) (Scopus Indexed).
- Dr.T.Sujithra , “Gaming Pedagogy for Engineering Education” , Journal of Engineering Education Transformations – (In Press) (Scopus Indexed).

- Dr.T.Sujithra, “ Swift and Secure Medical Data Transaction”, Springer Lecture Notes in Networks and Systems (LNNS), Accepted for Publication, Scopus Indexed.
- N.M.Masoodhu Banu, T.Sujithra, “Performance Comparison of BCI-Speller Stimuli design” , Materials Today: Proceedings, Elsevier- (Scopus Indexed).
- N.M.Masoodhu Banu, A.Merline , T.Sujithra , “PO Assessment and Attainment through POGILbased classes” , Journal of Engineering Education Transformations, Vol-33, No-4, Feb 2020 (Scopus Indexed).
- T.Sujithra, V. Kavitha et.al.,” Effective lane management for emergency vehicles and adaptive signaling for dynamic traffic congestion using fuzzy logic”, IJITEE, Volume-8 Issue-5 March 2019 (Scopus Indexed).
- V.Kavitha,T.Sujithra et al.,” Trust based reliable Routing protocol for Manets”, IJITEE, Volume-8, Issue-6, March 2019. (Scopus Indexed).
- T.Sujithra, G.Nivedhitha et al., ”Comparative Study On Satellite Based Data Communication Techniques”, International Journal of Engineering and Technology, Vol.7 (1.7),Feb 2018 (Scopus Indexed).
- T.Sujithra, N.K.SenthilKumar, K.KishoreKumar, ”Survey on Data gathering approaches in Wireless Sensor Networks”, International Journal of Science and Technology, Vol 10(25), July 2017.(Web of Science)
- K.Arthi,T.Sujithra et al., ”Optimized Load Balanced Routing Protocol for a MIMO based Wireless Sensor Network”, Journal of Engineering and Applied Sciences, Medwell Journals,Vol:12(23),2017.(Scopus Indexed)
- S.Durai,C.Mahesh,T.Sujithra, ”Survey of rice seed quality analysis for varietal purity estimation by using image processing techniques”, International Journal of Engineering and Technology, Vol.7 (1.7),Feb 2018 (Scopus Indexed).

Projects Guided

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- A simple tamil speech recognition system based on cmusphinx
 - Hierarchical reinforcement learning for humanoids
 - Emotion recognition system based on facial expressions
 - Detection of phishing websites using deep learning and machine learning

Memberships in Professional societies

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- CSI - Life Membership
 - IAENG - Life Membership

Significant achievements:

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- Received academic excellence and Honors in Diploma.
 - Received academic excellence in PG.