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Dr. T.Tamilselvi is working as Assistant Professor in the Department of CSE at SRMIST, Ramapuram campus. She holds a Ph.D. degree in the field of Web mining from Anna University since 2020. She has 16 years of teaching experience with good programming skills. She is certified in various courses from Coursera and NPTEL. She has published articles in National and International Journals, Conferences and Symposiums.

Area of Research:

Data Mining, Machine Learning, Deep Learning

Selected Publications:

1. T. Tamilselvi et al **" A Complete Design of Smart Wind Farm Enriched with Novel Anemometer"**, International Journal on Recent and Innovation Trends in Computing and Communication. Vol.11(6s)   (Scopus Indexed)

2. T. Tamilselvi et al **" An Investigation On Applicability Of Ad-Hoc Routing Protocols In Fog-Assisted Smart Health Care System"**, ARPN Journal of Engineering and Applied Sciences. Vol.18(6)   (Scopus Indexed)

3. T. Tamilselvi et al **" Digital Companion for Elders in Tracking Health and Intelligent Recommendation Support using Deep Learning"**, International Journal on Recent and Innovation Trends in Computing and Communication. Vol.11(3)   (Scopus Indexed)

4. T. Tamilselvi et al **" A Smart Remote Monitoring System for Prenatal Care in Rural Areas"**, International Journal on Recent and Innovation Trends in Computing and Communication. Vol.11(3)   (Scopus Indexed)

5. T. Tamilselvi, R. Saravanakumar, R. Arunkumar & K. Revathi 2023, "**H2O Caliber: An IoT Enabled Surface Water Pollutant Assessment System with Deep Learning"**, International Journal of Intelligent Systems and Applications in Engineering, vol.11.   (Scopus Indexed)

6. T. Tamilselvi et al **" Assistive Tools for Machine Communication for preventing children and Disabled Persons from Electric Hazard Using Cyber Physical System"**, International Journal of Intelligent Systems and Applications in Engineering. Vol.11(3s)   (Scopus Indexed)

7. **Tamilselvi et al " Auto JSON : An Automatic Transformation Model for Converting Relational Database to Non-relational Documents",** International Journal of Advanced Computer Science and Applicationsthis link is disabled. Vol.14(3)
(Scopus Indexed)

8. T. Tamilselvi et al "**Deep Derma Scan: A Proactive Diagnosis System for Predicting Malignant Skin Tumor with Deep Learning Mechanisms**", International Journal of Engineering Trends and Technology, vol. 70, no. 8, pp. 310-317, DOI: 10.14445/22315381/IJETT-V70I8P232 (Scopus Indexed)

9. T. Tamilselvi et al " **A Smart Drone For Ensuring Precision Agriculture With Artificial Neural Network**", Indian Journal of Computer Science and Engineering, vol. 13,no. 3, pp. 897-906, DOI: 10.21817/indjcse/2022/v13i3/221303025
(Scopus Indexed)

10. T. Tamilselvi et al "**IoT Based Pulse Oximeter for Remote Health Assessment: Design, Challenges and Futuristic Scope**", International Journal of Electrical and Electronics Research**,** vol. 10, no. 3, pp. 557-563, DOI: 10.37391/IJEER.100325
(Scopus Indexed)

11. T. Tamilselvi et al **"Clinical Application of Augmented Reality in Computerized Skull Base Surgery"**, the journal of Evidence – based Complementary and Alternative Medicine , DOI : 10.1155/2022/1335820.
(SCI Indexed)

12. T. Tamilselvi & G.Tholkappia Arasu **" Handling High Web Access Utility Mining Using Intelligent Hybrid Hill Climbing Algorithm Based Tree Construction",** Cluster Computing - The Journal of Networks, Software Tools and Applications, Springer Publication. Volume 22, pages 145-155. DOI : 10.1007/s10586-018-1959-8 (SCI Indexed)

13. T. Tamilselvi et al **" Improving Usability of Web Using Hybrid Approach-Hit and Time Spent"**, International Journal of Applied Engineering Research.
(Scopus Indexed)

14. T. Tamilselvi et al **" A Heuristic Approach to improve the data processing in big data Using Gaussian mixture model(GMM) and salp swarm Algorithm(SSA)"**, the journal of Bigdata Analytics, Spring nature publication . (Under Review Process) (SCI Indexed)

Patents:

1. Granted a patent titled on "Escalator cleaning robotic device", with application number

   353676-001, crb no 210182,

2. Identify Brain Tumor by Learning with RGB Color, PHOG and JPEG Coefficient

   Filters through Deviat. 202241045860A. Publication Date :19.08.2022.

Scopus:

https://www.scopus.com/authid/detail.uri?authorId=57210992353

Google Scholar:

https://scholar.google.com/citations?user=nmz31CcAAAAJ&hl=en&authuser=1

LinkedIn:

https://www.linkedin.com/in/tamil-selvi-47ab487b/