

Name: Dr.Femilda Josephin J S

Designation: Associate Professor

Department: Software Engineering

Name of Organization: SRM Institute of Science and Technology

Place : Kattankulathur

Pincode: 603 203

Mobile: 9443173172

Email: [femildaj@srmist.edu.in](mailto:femildaj@srmist.edu.in)

Area of specialization: Security in networks, Machine Learning and Deep learning, Image processing.

### **Journal Publications**

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1. S Arvind Narayan, R Rajashekar Reddy, **J S Femilda Josephin**, Secured Congestion Control in VANET Using Greedy Perimeter Stateless Routing (GPSR), Artificial Intelligence and Evolutionary Computations in Engineering Systems, Springer, 683-700, 2020. (Scopus , SNIP-0.5)
2. A Alice Nithya, M Ferni Ukrit, **J S Femilda Josephin**, A Robust Multi-unit Feature-Level Fusion Framework for Iris Biometrics, Artificial Intelligence and Evolutionary Computations in Engineering Systems, Springer, 239-246, 2020. (Scopus , SNIP-0.5)
3. V Ravikumar, D Senthilkumar, CG Saravanan, V Edwin Geo, M Vikneswaran, C Solaimuthu, **JS Femilda Josephin**, Study on the effect of 2-butoxyethanol as an additive on the combustion flame, performance and emission characteristics of a spark ignition engine, Fuel, Elsevier, Vol. 285, 2020. (SCI, IF-5.57)
4. A Manoj Babu, CG Saravanan, M Vikneswaran, V Edwin Geo, J Sasikala, **JS Femilda Josephin**, Debasish Das, Analysis of performance, emission, combustion and endoscopic visualization of micro-arc oxidation piston coated SI engine fuelled with low carbon biofuel blends, , Fuel, Elsevier, Vol. 285, 2020. (SCI, IF-5.57).
5. **Femilda Josephin J S**, Lakshmi C, Joseph James S, A review on the measures and techniques adapted for the detection of driver drowsiness, IOP Conference Series: Materials and Engineering. (Accepted) (Scopus, SNIP-0.52)
6. J Pavithra and **Femilda Josephin J S**, Analyzing Various Machine Learning Algorithms For The Classification Of Malwares, IOP Conference Series: Materials and Engineering.(Accepted) (Scopus, SNIP-0.52)
7. G.Priyadharshini, **J.S.Femilda Josephin**, A comprehensive review of various data collection approaches, features, and algorithms used for the classification of driving

- style, IOP Conference Series: Materials and Engineering.(Accepted) (Scopus, SNIP-0.52).
8. M.S.Bennet Praba and **Femilda Josephin J S**, Review on various authentication schemes and attacks on connected vehicles, IOP Conference Series: Materials and Engineering.(Accepted) (Scopus, SNIP-0.52)
  9. Shreya Singh **Femilda Josephin J S**, Rutuja Matey, Network Monitor To Detect and Classify The Type of The Attack, International Journal of Innovative Technology and Exploring Engineering, Blue Eyes Intelligence Engineering & Sciences Publication, vol.8, Issue.4 , pp. 772-776, 2019. (Scopus , SNIP-0.05)
  10. A.Alice Nithya M.Ferni Ukrit, **J.S.Femilda Josephin**, Ambulance Detection using Cross Correlation Technique, International Journal of Innovative Technology and Exploring Engineering, Blue Eyes Intelligence Engineering & Sciences Publication, vol.8. Issue.5, pp. 443-446,2019. (Scopus , SNIP-0.05)
  11. V Edwin Geo, Ankit Sonthalia, Fethi Aloui, **JS Femilda Josephin**, Study of engine performance, emission and combustion characteristics fueled with diesel-like fuel produced from waste engine oil and waste plastics, Frontiers of Environmental Science & Engineering, Higher Education Press, Vol.12, issue.4, page 8, 2018. (SCI, IF-3.041)
  12. **JS Femilda Josephin**, V Edwin Geo, Ankit Sonthalia, C Bharatiraja, Fethi Aloui, Predicting the different engine parameters of a rubber seed oil-ethanol dual fuel engine using artificial neural networks, International Journal of Global Warming, vol.16, issue.4, pp. 485-506, 2018. (SCI, IF-0.78)
  13. **JS Femilda Josephin**, UV Arivazhagu, UV Anbazhagu Social Network Routing with Caching in Delay Tolerant Wireless Sensor Networks, Journal of Computational and Theoretical Nanoscience, American Scientific Publishers, vol.15, issue.6-7, 2046-2049 , 2018. (Scopus , SNIP-0.17).
  14. **Femilda Josephin J S**, Ramaraj Narayanasamy, Integrated social network reputation inspired routing for effective data forwarding, EURASIP Journal on Wireless Communications and Networking, Springer International Publishing, vol.2014, issue.1, pp141, 2014. (Scopus , SNIP-0.79)
  15. M. Ferni Ukrit, **J.S. Femilda Josephin**, “Music Recommender System Based on user Profile”, International Journal of Control Theory and Applications, Volume 9 , Number 40 , 2016.
  16. **Femilda Josephin J S**, Dr.N.Ramaraj, “Caching and Cache Refreshing in Socailly-Aware Wireless Sensor Networks”, Advances in Information Sciences and Service Sciences(AISS), volume 6, number 6, December 2014.
  17. **Femilda Josephin JS**, N Ramaraj, Prevention And Detection Of Selective Forwarding Attack In Wireless Sensor Networks, International Journal of Scientific Research and Innovations 1, 12 – 17, 2016.

## Conferences

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1. G. Priyadharsini, **Femilda Josephin J S**, Driver classification using GPS and OBD data- A comparison of ML algorithms, International Conference on Computing, Communication & Information Technology, Chennai Institute of Science and Technology, July 2020.
2. Aadhya Singh, Ayush, **Femilda Josephin J S**, Smart Audio Assistance For The Blind Using Ocr, Tts And Yolo, National Conference on Artificial Intelligence and Intelligent Information Processing, SRM Institute of Science and Technology, Page 21, 5<sup>th</sup> and 6<sup>th</sup> March 2020.
3. Niramay , **Femilda Josephin J S**, Drowsiness Detection Using SVM, National Conference on Artificial Intelligence and Intelligent Information Processing, SRM Institute of Science and Technology, Page 22, 5<sup>th</sup> and 6<sup>th</sup> March 2020.
4. J Pavithra, **Femilda Josephin J S**, Analysing various machine learning algorithms for efficient classification of malwares, National Conference on Artificial Intelligence and Intelligent Information Processing, SRM Institute of Science and Technology, 5<sup>th</sup> and 6<sup>th</sup> March 2020.
5. **Femilda Josephin J S**, Ferni Ukrit, “Enhancement of Quality of Service in Body Sensor Networks “,National Level Conference on Recent Innovations in Software Engineering in Computer Technologies (NCRISECT 2017), SRM University, 23 & 24 March 2017.
6. **Femilda Josephin J S**, Ferni Ukrit, “Parking made easy an embedded design”, 2017 International Conference on Inventive Computing and Informatics (ICICI).
7. **Femilda Josephin J S**, Dr.N.Ramaraj, Acknowledgement based social network routing with in WSN, International Conference on Recent Advances in Engineering, Science & Technology – ICON’15”, 1<sup>7th</sup> April 2015, Noorul Islam University.
8. **Femilda Josephin J S**, Dr.N.Ramaraj,” Social network based routing in wireless sensor networks”, International Conference on Applied Research in Engineering”, 7-9<sup>th</sup> May 2014,Sri Lakshmi Ammal Engineering College.
9. **Femilda Josephin J S**, Dr.N Ramaraj "Intrusion Detection using a Novel Algorithm to Detect Sink hole attacks in a Distributed Wireless Sensor Networks", International Conference on “Emerging Trends in Computer and Communication

Technologies”EMICS12.

10. **Femilda Josephin J S**, Dr.N.Ramaraj “Prevention and Detection of Selective Forwarding Attack in Wireless Sensor Networks”, Second International Conference on Smart Technologies for Materials, Communication, Controls, Computing and Energy, 3-5<sup>th</sup> January 2013, Veltech Dr.RR& Dr.SR Technical University, Chennai.
11. Suhitha Manikandan, **Femilda Josephin J S**, “Prevention and detection of zombies, botnets in network”, International Conference on Computing and Communication Technology 2013(ICCCT’13) at Immanuel Arasar JJ College of Engineering, during 1st and 2nd March 2013.