Dr. J. DEVI SHREE,

Associate Professor
Department of Electrical and Electronics Engineering
Coimbatore Institute of Technology,
AvinashiRoad , Civil Aerodrome (Post),
Coimbatore – 641 014
Mobile No: 9843157541
devishreecit@gmail.com
devishree@cit.edu.in

1. **Area of Specilization** : POWER SYSTEMS

2. INTERNATIONAL JOURNAL PUBLICATIONS:

1. **J. Devi Shree**, P.Anbalagan, "An Improved Photovoltaic Power Supply System with Tracking, ICGST The International Journal on Digital Signal Processing, Vol.No:6, June 2006, pp 1-7
2. **J. Devi Shree**, P.Anbalagan, "A Photovoltaic Uninterrupted Power Supply Systems synchronised to the Grid", Journal of Applied Sciences, Vol.6, No.12, September 2006, pp 2673-2675.
3. **J. Devi Shree**, P.Anbalagan, "Power Quality Improvement of Grid Connected PV Inverters", AMSE 2006, pp 1-14.
4. **J. Devi Shree**, P.Anbalagan, "Power Quality Improvement in Photovoltaic Systems", Asian Power Electronics Journal, Vol.1, No.1, June 2007, pp 76-80.
5. **J. Devi Shree**, P.Anbalagan, "An Optimal Approach in Maximum Power Point Tracking For PV Applications Using a Fuzzy Controller", i-manager's Journal on Electrical Engineering and Technology, Vol. 1, No. 1, India, June 2007, pp. 1-4.
6. Alamelumangai.N, **J.Devi Shree**, "PSO Aided Neuro Fuzzy Inference System for Ultrasound Image Segmentation", IJCA The International Journal on Computer Applications, Vol.-7-No:14, October 2010, pp 16-20.
7. Alamelumangai.N, **J.Devi Shree**, "Neuro Fuzzy Systems for Detecting Microcalcifications in Breast Sonograms using Particle Swarm Optimization Algorithm", in Elsevier Procedia 2010.
8. Alamelumangai.N, **J.Devi Shree**, "Hybrid Speckling Techniques in Ultrasound Images", International Journal of Scientific and Engineering Research, Vol 1-1, 2010.
9. Alamelumangai.N, **J.Devi Shree**, "An Evolutionary-Based Comparitive Approach

for Optimizing Neuro Fuzzy Systems to Reduce Speckle Noise in Breast Sonograms", in IEEE Explorer Catalog number CFP1002M-PRT 2010.

10. Alamelumangai.N, **J.Devi Shree**, "An Ultra Sound Image Processing System using Memetic ANFIS Method", IEEE Explorer Catalog number CFP1002M-PRT 2010.
11. Alamelumangai.N, **J.Devi Shree**, "Hybrid PSO Neuro-Fuzzy System for Ultrasound Image Segmentation", Journal of Computer Science, Vol.5(3), March-April 2011.
12. Alamelumangai.N, **J.Devi Shree**, "A Novel CAD System for Breast Cancer Segmentation in Sonograms", ARPN Journal of Engineering and Applied Sciences, Vol.6(9), September 2011.
13. Alamelumangai.N, **J.Devi Shree**, "Enhancing Breast Ultrasound Images using Hough Transform", Journal of Digital Image Processing, Vol.4(9), September 2011.
14. Alamelumangai.N, **J.Devi Shree**, "Automated Clustering of Cancer Cells Using Fuzzy C Means with Repulsions in Ultrasound Images", Journal of Artificial Intelligence, Vol.5(1), January 2012.
15. Alamelumangai.N,**J.Devi Shree**, "Fuzzy C-Means Clustering Technique for Cancer Detection in Ultrasound Images", Karpagam Journal of Computer Science, Vol.6, Issue 1, Pg. 102-107, Jan- Feb 2012.
16. Alamelumangai.N,**J.Devi Shree**, "Novel Fuzzy Technique For Cancer Detection In Noisy Breast Ultrasound Images", Science Publications American Journal of Applied Sciences, Vol.9, Issue 5, Pg. 779-783, May 2012.
17. Yamuna Devi.N, **J.Devi Shree**, "A Novel Approach for Semantic Analysis of Sentences Using Association Rules", International Journal on Computer Applications, Vol.66, Jan 2013. (Impact Factor 0.84).
18. Manjula Gandhi S, **J. Devi Shree**, "Design of Reversible code converters for quantum computer based systems", International Journal of Computer Applications, ISBN 973-93-80872-06-4,Number3,pp.27–30, Jan 2013.
19. Alamelumangai.N,**J.Devi Shree**, "Automated Segmentation of Brest Cancer Lesion in Ultrasound Images using Modified Fuzzy Possibilistic C-Means with Repulsions Clustring And Generalized Gradient Vector Flow Snake Algorithm", ACTA Press, Life Science Journal, Vol.10, Issue 6, Pg. 360-367, May 2013.
20. ManjulaGandhi.S, **J.Devi Shree**, "Novel Approaches for Designing Reversible Two's Complement Adder/Subtractor for Quantum Systems", Applied Mathematics & Information Sciences, 2013, pp. 1-9.

21. Manjula Gandhi S, **J.Devi Shree**and Sathish Mohan S, " A New reversible SMG gate and its application for designing Two's Complement Adder/Subtractor with Overflow Detection Logic for Quantum Computer based Systems", Springer Advances in Intelligent Systems and Computing Series, volume 246, pp. 259-266, Jan 2014.
22. G.Naveen Ram, **J. Devi Shree**,"Cost Optimization of Stand Alone Hybrid Power Generation System using PSO", published in International Journal of Engineering Research and Technology in Electrical, Electronics and Instrumentation Engineering, Vol. 3, Issue 2, pp 1577-1581, February 2014.
23. Manjula Gandhi S**, J.Devi Shree**, Venkatesh. J and Sathish Mohan S, 'Design of Reversible Circuits for Code Converter and Binary Incrementer', *International Journal of Information Technology & Mechanical Engineering (IJITME)*, Vol. 1, Issue. 4, July, 2014, ISSN: 2349-2865, pp. 24-33.
24. Manjula Gandhi S**,J.Devi Shree**, Venkatesh. J and Sathish Mohan S, 'Quantum Query Complexity to determine Center of a Graph', *International Journal of Research in Computer Applications and Robotics (IJRCAR)*, ***Impact Factor: 1.142,*** Vol. 2, Issue. 8, August, 2014, ISSN: 2320-7345, pp. 01-07.
25. Manjula Gandhi S, **J.Devi Shree**, Venkatesh J, Sathish Mohan S, 'Quantum Query Complexity to determine Median of a Graph', *International Journal of Engineering Associates (IJEA)*, Vol. 3, No. 8, August 2014, ISSN: 2320-0804, pp. 9-13.
26. Manjula Gandhi S**, J.Devi Shree**, Venkatesh J and Satish Mohan S, (2015), 'Business Data Intelligence: An Aid for Understanding the Changing Economic Scenario', International Journal of Economic Research, Volume 12, Issue 1, pp. 169-179.
27. ManjulaGandhi Selvaraj, **J.Devi Shree**, ThenmozhiSrinivasan&Palanisamy Balasubramani, 'Predicting Defects Using Information Intelligence Process Models in the Software Technology Project', *The Scientific World Journal*, Impact Factor 1.73, Article ID598645, in press. (**Annexure I, S. No. 7609, ISSN No. 1537-744X),** 2015.
28. Yamuna devi, N and **J.Devi Shree,** 2015, 'A Novel Parallel Frequent Pattern Mining Algorithm', International Journal of Applied Engineering Research, vol. 10, No. 10, pp.26615-26628.

29. Yamuna devi, N and **J.Devi Shree**, 'A Combinatorial Tree based Frequent Pattern Mining', Journal of Theoretical and Applied Information Technology, vol. 64, no. 3, pp. 781-789,2014.
30. Yamuna devi, N and **J.Devi Shree**, 'A Novel Approach and Comparative Study of Association Rule Algorithms in Validation of Semantics of Sentences', International Journal of Computer Applications, vol. 62, no. 3, pp. 22-26, 2013.
31. Yamuna devi, N and**J.Devi Shree**, 'A Novel Approach to Generate Frequent Patterns using Combination and Filtering Method', IEEE Conference Publications, pp. 337-341, 2013.
32. K.Suresh, **J.Devi Shree**, "Certain Energy Conservation Techniques For Reducing Power Transmission Losses In Low Tension Distribution", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 5 pp. 12779-12791, January 2015.
33. K.Suresh, **J.Devi Shree**, "Role of Estimation of Effective Reactive Power Compensation For Increasing Energy Efficiency In Industrial Distribution", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 2, pp. 4089-4098, April 2015.
34. N.Balasubramanium, **J.Devi Shree**, "Reactive Power Compensation of Three Phase System Using Shunt Active Filter and Model Predictive Control with Static Var Compensator", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 2, pp. 25035 – 25046, April 2015.
35. N.Balasubramanium, **J.Devi Shree**, "Matlab based Simulation and Design of Multilevel PV Inverter for a Three Phase Grid Connected System", Asian Journal of Information and Technology ISSN 1682- 3915 Volume 15, Number 7, pp. 1183 – 1192, April 2016.
36. **J. Devi Shree**&Asirvatham Kethsy Prabavathy, 'Gradual transition detection in shot boundary using gradual curve point', Journal of National Science Foundation of Sri Lanka, 2018 46 (3): 393 – 398, Annexure I [Impact Factor: 0.42] DOI: http:// dx.doi.org/10.4038/jnsfsr.v46i3.8491
37. **J. Devi Shree**& Kethsy Prabavathy A, 'Histogram difference with Fuzzy rule base modeling for gradual shot boundary detection in video cloud applications', International Journal of Cluster Computing, Springer Publication, Published online on 07 October 2017. DOI 10.1007/s10586-017-1201-0 Annexure I [Impact Factor: 2.040]

38. **J. Devi Shree**,A. Kethsy Prabhavathy and Elizabeth Sama Sam, 'A Survey on Outdoor Scene Image Segmentation', *International Journal of Computer Applications (0975 – 8887), Volume 55– No.9, October 2012* .
39. **J. Devi Shree** and Subashri M S, 'Maximum Power Generation in Horizontal Axis Wind Turbine Using Wireless System', International Journal of Engineering Research & Technology (IJERT), Vol. 8 Issue 2, Febrauary – 2019.
40. **J. Devi Shree** and BalajiSrinivasan, 'An Approach of Applying Machine Learning for Range Prediction for LD, HD Commercial Electric Trucks Energy Management', Journal of Electrical Engineering (JEE), Vol. 20 Issue 1 pp.465-474, November – 2019.
41. **J. Devi Shree** and Mynavathi M, "Intelligent Techniques based reactive power compensation of Isolated hybrid power system", Journal of Electrical Engineering (JEE), Vol. 20 Issue 1 pp.465-474, January – 2020.
42. **J. Devi Shree** and Mynavathi M, "Co-ordinated and real time voltage control of DSTS-biomass based isolated hybrid power system using Grey Wolf optimization", International Journal of Electrical Engineering & Education, October, 2020.

[J.DEVI SHREE]