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**Department/Institution** : **Electronics and Communication Engineering, Govt. College of Engineering, Tirunelveli**

**Teaching Experience** : **21 years**

**Area of Specialization** : **Signal processing, Image Processing, Neural Networks, Networking**

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	<b><u>LIST OF PUBLICATIONS of ( Dr. T. Jayasree)</u></b>
1.	<b>Jayasree T</b> , Devaraj D and Sukanesh R. (2009), ‘Classification of Power Quality Disturbances based on S-Transform and Radial Basis Network’, International Journal of Applied artificial Intelligence, Vol 23, No.7, pp.680-697. Taylor and Francis Publishers.
2.	<b>Jayasree T</b> , Devaraj D and Sukanesh R (2009), ‘Classification of Transients using Wavelet Based Entropy and Radial Basis Neural Networks’, International Journal of Computer and Electrical Engineering, Vol 1 No.5, pp.615-621, International Association of Computer Science and Information Technology Press.
3.	<b>T. Jayasree</b> , D. Sam Harrison, T. SreeRangaraja,’ Automated Classification of Power Quality Disturbances using Hilbert Huang Transform and RBF Networks ‘,International Journal of Soft Computing and Engineering (IJSCE)ISSN: 2231-2307, Volume-1, Issue-5, November 2011
4.	<b>Jayasree T</b> , Devaraj D and Sukanesh R (2009), ‘Signal Processing Techniques and Artificial Neural Networks for Power Quality Disturbance Detection and Classification, Proc. of International Conference on Electrical Energy Systems and Power Electronics in Emerging Economics (ICEESPEEE-2009), SRM University, Chennai, India, pp.536-541.
5.	<b>Jayasree T</b> and Devaraj D (2007), ‘Classification of Power Quality disturbances using FFT, STFT, Wavelet Transform and Neural Networks’,

	Proc. of IEEE International Conference on Power system (ICPS 2007), CPRI, Bangalore, India.
6	<b>Jayasree T</b> and Devaraj D (2007), ‘Classification of Power Quality disturbances using FFT, STFT, Wavelet Transform and Neural Networks- A comparative analysis’, Proc. of IEEE International Conference in Intelligent and Multimedia Applications 2007 (ICCIM 07) in MEPCO SchlenkEngg. College, Sivakasi, India.
7.	<b>Jayasree T</b> and Devaraj D (2007), ‘Applications of signal Processing Techniques and Neural Networks for classification of Power Quality disturbance signals’, Proc. International Conference on Trends in Intelligent Electronic systems (TIES 2007), Sathyabama University, Jeppiaar Nagar, Chennai, India. pp. 776-782.
8.	<b>Jayasree T</b> and Devaraj D (2009), ‘Analysis and Classification of Power Quality disturbances using mathematical Transform and Neural Networks’, National Conference on Power and Energy systems (NPES '09), KalasalingamUniversity,India.
9.	<b>Jayasree T</b> and Devaraj D (2008), “Power Quality Issues in Wind Energy”, National Seminar on renewable Energy Sources (Wind-08), pp.29-30, Kalasalingam University, India.
10.	<b>Jayasree T</b> , Devaraj D (2007), ‘Combined Wavelet Transform and Neural Network for Power Quality Monitoring’, National Conference on Power systems March 2007, PET Engg. College, India
11	<b>Jayasree T</b> , Renisha. G (2015) Enhancement of Speech signals in a noisy Environment International Conference on Technical Convergence on Information, Health, food and energy security
12	<b>T. JAYASREE,G.RAJARAM</b> (2014) “Signal processing and neural networks based speaker recognition system”, International Journal of Engineering Research-Online, 387-391.
13	<b>Jayasree T</b> , Devaraj D and Sukanesh R (2010), ‘Power Quality Disturbance Classification using Hilbert Transform and RBF network’, International Journal of Neuro Computing, Vol.73, Issue 7-9, pp. 1451-1456. Elsevier Publishers.

14	Renisha. G, <b>T.Jayasree</b> (2016), 'Analysis of windows for speech signal analysis' Proc. Of Int. Conf on Emerging technologies in computing control, communication and construction
15	<b>Jayasree T</b> , Renisha. G G(2015), 'Enhancement of Speech signals in a noisy Environment based on Wavelet based Adaptive filtering' in the Int. Journal of Signal Processing, Image processing and Pattern Recognition, vol 8 no. 15, pp. 69-76
16	Mary Vasanthi, <b>T.Jayasree</b> (2016), 'Classification of EMG signal for neural disorder detection' Proc. Of Int. Conf on Emerging technologies in computing control, communication and construction
17	Reena Benjamin, <b>T.Jayasree</b> (2016), 'PCA and Wavelet Transform based Image fusion for biomedical image analysis' Proc. Of Int. Conf on Emerging technologies in computing control, communication and construction
18	<b>T.Jayasree</b> , Chellabama (2016), 'Cross Wavelet Transform based ECG Pattern Analysis and Classification', International Journal of Engineering and Management Research, Vol 5, April 2016
19	<b>T.Jayasree</b> , 'Analysis of Power Quality Disturbances using DWT and Artificial Neural Networks', International Journal of Science, Engineering and Technology Research (IJSETR), Volume 5, Issue 4, April 2016
20	<b>T.Jayasree</b> , 'Automatic Water Distribution Management System Using PIC Controller and GSM Module', International Journal for Research & Development in Technology, Vol 4 April-2017.
21	M.Mahil, <b>T. Jayasree</b> , 'Ant Colony System with Adaptive Threshold Technique for server consolidation in Green cloud', Proc. Of Int. Conference on Emerging Trends in Engineering & Technology
22	PremAnanth, <b>T. Jayasree</b> , 'Signal Processing based fault analysis in two wheelers', Proc of Int. Conference on Green Technologies for Power Generation, Communication & Instrumentation (2016)
23	Hymlinrose, <b>T.Jayasree</b> , 'A jamming detection technique for wsn using timestamp', Proc of IEEE international conference on intelligent techniques in control, optimization and signal processing (2017)
24	Emeraldshia, <b>T.Jayasree</b> , 'Automatic Classification of voice pathology speech signals', Proc of IEEE international conference on intelligent techniques in control, optimization and signal processing(2017)

25	Reena Benjamin, <b>T. Jayasree</b> , 'Improved medical image fusion based on cascaded PCA and shift invariant wavelet transforms', International Journal of Computer Assisted Radiology and Surgery, ISSN: 1861-6410 (Print)
26.	<b>T. Jayasree</b> , PremAnanth, 'Sound Signal Based Fault Classification System in Motorcycles Using Hybrid Feature Sets and Extreme Learning Machine Classifiers,' Journal of Sound and Vibration (2020), Techpress publishers pg. No. 57-74,
27	S. Abisha, <b>T. Jayasree</b> , 'Application of Image Processing Techniques and Artificial Neural Network for Detection of Diseases on Brinjal Leaf', IETE Journal of Research (2019), Taylor and Francis publishers
28	S. Abisha, <b>T. Jayasree</b> , Recognizing the rice diseases detection based on SVM based techniques'. International Journal of modern trends in Engineering and Research (2020), P.No. 47-53.
29	S.Abisha and <b>T.Jayasree</b> , 'A Smart approach on computer based disease detection in brinjal leaves', Tierärztliche Praxis ISSN: 0303-6286 Vol 39, Issue 11, November - 2019
30	SG Hymlin Rose, <b>T Jayasree</b> , 'Detection of jamming attack using timestamp for WSN', Journal of Ad Hoc Networks Volume 91, August 2019,
31	Renisha, G. <b>Jayasree, T</b> , 'Cascaded Feedforward Neural Networks for speaker identification using Perceptual Wavelet based Cepstral Coefficients, Journal: Journal of Intelligent & Fuzzy Systems, vol. 37, no. 1, pp. 1141-1153, 2019
32	S Mary Vasanthi, <b>T Jayasree</b> , Performance evaluation of pattern recognition networks using electromyography signal and time-domain features for the classification of hand gestures, Journal of Engineering in Medicine (2020)
33	AH Lenin, SM Vasanthi, <b>T Jayasree</b> , Automated Recognition of Hand Grasps Using Electromyography Signal Based on LWT and DTCWT of Wavelet Energy', International Journal of Computational Intelligence Systems 13 (1), 1027-1035