

Annexure IV

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List of Publications:

1. Dr.S.Valarmathy, S.Karthick, E.Prabhu, “Low Power Systolic Array Based Digital Filter for DSP Applications”, International Journal of Scientific world Journal (Annexure –I), Feb 2015.
2. Dr.S.Valarmathy, S.Kirubakaran, C.Kamalanathan and R.Swathi, “An Energy Efficient Routing Algorithm based on Data Compression in LEACH-C”, International Journal of Engineering Research & Technology ISSN: 2278-0181, March 2015.
3. M.Kalamani, S.Valarmathy and M.Krishnamoorthi, “Noise Tracking Algorithm for Speech Enhancement”, Applied Mathematics and Information Sciences, vol.9, no.2, pp.691-698, March 2015. Natural Science Publishers ISSN: 1935-0090 (Annexure I, IF-1.232).
4. M.Kalamani, Dr.S.Valarmathy and S.Anitha, “Automatic Speech Recognition using ELM and KNN Classifiers”, International Journal of Innovative Research in Computer and Communication Engineering, vol. 3, no. 4, April 2015.
5. Dr.S.Valarmathy and Dr.M.G.Sumithra, “Disease Identification in Cotton Plants Using Spatial FCM & PNN Classifier”, International Journal of Innovative Research in Computer, vol.3, no. 4, April 2015.
6. Valarmathy S, Arun Kumar M and Santhi E, “Comparative Analysis Of Diverse Frequency Domain Feature Extraction Schemes For Human Palm And Face Recognition Based On Machine Learning Approach”, International Journal of Applied Engineering Research (ISSN 0973-4562), vol.10, no.13, pp. 33514-33522, 2015 (Annexure II).
7. Dr.S.Valarmathy, S.P.Prakash, “Analysis of low power unsigned array multiplier architecture”, International Journal of Applied Engineering Research (ISSN 0973-4562), vol.10, no.14, pp. 34352-34356, 2015 (Annexure II).
8. Dr.S.Valarmathy, Mr.S.Kirubakarn, Mr.C.Kamalanathan, “Increase the data Availability for Cloud Environment”, International Journal of Applied Engineering Research (ISSN 0973-4562), vol.10, no.9, pp. 24083-24091, 2015 (Annexure II).
9. J.Aravinth and Dr.S.Valarmathy, “A Natural Optimization Algorithm to Fuse Scores for Multimodal Biometric Authentication”, International Journal of Applied Engineering

- Research (ISSN 0973-4562), vol.10, no.8 pp. 21341-21354, 2015 (Annexure II Scopus Indexed).
10. J.Aravinth and Dr.S.Valarmathy, "Multi Classifier Based Score Level Fusion of Multi-Modal Biometric Recognition and its Application to Remote Biometrics Authentication" Imaging Science Journal (Annexure I, SCI Indexed).
 11. M.Nisha Angeline, Dr.S.Valarmathy,M.Viji, "Design of High Speed VLSI Architecture for Quark Family", IJSRD - International Journal for Scientific Research & Development, Vol. 3, Issue 03, 2015, 3439-3442, May 2015, ISSN (online): 2321-0613.
 12. M.Nisha Angeline, Dr.S.Valarmathy, Ganga Priyadharshini, "Improvement of speed in light weight cryptographic algorithm – Spongnet family", IJSRD - International Journal for Scientific Research & Development, IJSRD - International Journal for Scientific Research & Development, Vol. 3, Issue 03, 2015, 1409-1412, May 2015, ISSN (online): 2321-0613.
 13. M.Nisha Angeline, Dr.S.Valarmathy, M.Gayathri, "Analysis and design of PHOTON protocol architecture in high speed applications", IJSRD - International Journal for Scientific Research & Development, Vol. 3, Issue 03, 2015, 1420-1422, May 2015 ISSN (online): 2321-0613.
 14. J.Aravinth and Dr.S.Valarmathy, "A Natural Optimization Algorithm to Fuse Scores for Multimodal Biometric Authentication", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 8 (2015) pp. 21341-21354, June 2015 (Annexure II)
 15. G.Sekar and Dr.S.Valarmathy, "An Analysis of Image Compression Using Two Out of Two Visual Cryptography Scheme", Australian Journal of Basic and Applied Sciences, vol.9, no.27, pp.677-680, August 2015 (Annexure II)
 16. S. Valarmathy, M. Arun Kumar, E. Santhi, "Comparative analysis of diverse frequency domain feature extraction schemes for human palm and face recognition based on machine learning approach", International Journal of Applied Engineering Research, vol.10, no.13, pp. 33514-33522, August 2015.(Annexure-II)
 17. J.Aravinth and Dr.S.Valarmathy, "Multi Classifier Based Score Level Fusion of Multi-Modal Biometric Recognition and its Application to Remote Biometrics Authentication" ,The Imaging Science Journal. vol.64, no. 1,pp.1-14,December 2015 (Annexure I)
 18. M. Arunkumar, S. Valarmathy, "Palm Print Identification Using Improved Histogram of Oriented Lines", Circuits and Systems, vol.7, n0.8, pp. 1665-1676, Jan. 2016, DOI:10.4236/cs.2016.78144.(Annexure-I Updated list)
 19. C.Kamalanathan, S.Valarmathy, S.Kirubakaran, "Designing a Fuzzy logic based Trust and Reputation model for Secure resource allocation in cloud computing", International Arab Journal of Information Technology, vol.13, no.1, Jan.2016. ISSN:1683-3198 (Annexure I)
 20. S.Kirubakaran, S.Valarmathy, C.Kamalanathan, "Design and Implementation of a Synchronous and Asynchronous Based Data replication Technique in Cloud computing",

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21. Dr.S.Valarmathy, Mrs.P.Ramya and Ms.M.Gunavathi, "Design and Simulation of E-shape Fractal Antenna for Multiband Wireless Applications", South Asian Journal of Engineering and Technology Vol.2, No.18, pp.41–51, 2016. ISSN No: 2454-9614
22. M.NishaAngeline , Dr. S.Valarmathy, "VLSI Design and FPGA Implementation of N Binary Multiplier Using N-1 Binary Multipliers", International Journal of Science and Research (IJSR), vol.5, no.3, March 2016, pp. 983-987.
23. M.Nisha Angeline , Dr. S.Valarmathy, "Design and VLSI Implementation of N X N Binary Multiplier Using Successive Approximation of (N-1) X (N-1) Binary Multipliers", International Journal of Science and Research (IJSR), vol.5, no.3, March 2016, pp. 988-992.
24. M.Nisha Angeline , Dr. S.Valarmathy, "Implementation of N-bit Binary Multiplication using N-1 bit Multiplication based on Nikhilam Sutra Principles and bit Reduction", Transylvanian Review: Vol XXIV, No. 7, Special Issue, May 2016 , pp.982-992. (Annexure-I Updated list)
25. M.NishaAngeline , Dr. S.Valarmathy, "Palm Print Identification Using Improved Histogram of Oriented Lines", Circuits and Systems, vol.07, no.08, pp.1665-1676, May 2016. (Annexure-I Updated list)
26. Arunkumar, M &Valarmathy, S, "Local Multi Code Pattern Generation for face identification", Intelligent Automation and Soft Computing, Taylor and Francis, vol. 23, no. 2, 2017. (Updated-2016 Journal, IF 0.644)
27. Dr.S.Valarmathy , Mr.K.S.Vairavel, "Human Identification by Fusing Face, Palm Iris", International Journal of Control Thory and Application, ISSN 0974-5572, Volue 10, Issue 2, pp427-435 Feb 2017
28. Dr.S.Valarmathy, M.K.S.Vairavel, "Implementing feature selection for Multimodal biometrics", International Journal on Biomedical Engineering and Technology, ISSN 1752-6426, Volume 23, Issue 3, pp242-260 March, 2017
29. Dr.R.S.ValarmathiC.Kamalanathan, S.Karthick, "Design and Performance Analysis of a Reconfigurable Fir Filter" , International Journal of Innovations in Engineering and Technology (IJIET), Volume 8, issue 1, pp: 73-80, 2017, ISSN: 2319-1058.
30. Dr.R.S.ValarmathiDr.C.Kamalanathan, Kavinkumar A R, Kishore K N, S.Karthick, "Accelerometer Based Wireless Air Mouse Control using Hand Gestures", International Journal of Emerging Trends in Research (IJOETR), Volume 2, issue 2, pp: 15-20, 2017, ISSN: 2455-6130.
31. Dr.R.S.ValarmathiDr.C.Kamalanathan, S.Karthick, "Maintaining The Security For Data Storage By Providing Privacy Protection in Cloud Computing", International Journal of Current Research in Engineering and Technology (IJCRET), Volume 1, issue 1, March 2017.

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34. M.Kalamani, M.Krishnamoorthi, R.S.Valarmathi, "Delta Mel Frequency Cepstral Coefficient based Feature Extraction Algorithm for Continuous Tamil Speech Recognition", CiiT journal of Digital Signal Processing, vol 9, no 9, pp: 177 –184, November – December, 2017.
35. M.Kalamani, M.Krishnamoorthi, R.S.Valarmathi, "Feature Clustering and Labelling Technique for Continuous Speech Recognition", International Journal of Advance Research in Science and Engineering, vol.6, no.12, December 2017 (IF-2.83).
36. M.Kalamani, M.Krishnamoorthi, R.S.Valarmathi, "Modified Least Mean Square Adaptive Noise Reduction algorithm for Tamil Speech Signal under Noisy Environments", International Journal of Pure and Applied Mathematics, vol.119, no. 16b, pp.4461-4466, 2018 (SCOPUS).
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42. Mr.K.S.Vairavel, Dr.R.S.valarmathi, "Multimodal Human Identification by using Hybrid PSO", International Journal of Pure and Applied Mathematics, Vol.119, No. 16b, pp. 4529-4537, 2018.
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45. S.Valarmathy, S.Saranya, "Topological Model and Classification of Clustered Microclacification in Mammogram", in the proceddings of 3rd IEEE International Conference on Innovations in Information Embedded and Communication Systems-2016 (ICIIECS-2016), vol. 8, Karpagam College of Engineering, Coimbatore, 17th-18th March 2016, pp.2150-2154.
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