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List of Publications

INTERNATIONAL JOURNALS

1. Nethra K., Bharathi B., "Speaker verification using ant colony optimization", International Journal of Applied Engineering Research, ISSN 0973-4562, pp. 507-512, Vol. 10 No.55 (2015).

2. B. Bharathi, S. Kavitha and N. Mariappan, "Real time speech based integrated development environment for C program", Circuits and Systems, Vol.7, pp. 69-82, March 2016, **ISSN Print:** 2153-1285, **E-ISSN**: 2153-1293, http://dx.doi.org/10.4236/cs.2016.73008

3. C. Sivaranjanai and B. Bharathi, "Syllable based continuous speech recognition for Tamil language", International journal of advanced engineering technology, Vol.7, pp.1-4, March 2016, E-ISSN: 0976-3945

4. S.Kavitha, B.Bharathi, K.MohanaPriya, S.MohanaPriya and V.C. NithusSushmy, "Optimal feature set selection for brain tumor classification using Genetic Algorithm with Support Vector Machine and Decision Tree", Asian Journal of Research in Social Sciences and Humanities, 6(9), September 2016, pp: 660-670, ISSN: 2249-7315.

5 .S. Kavitha, B. Bharathi, P. Sasikala, P. Chandralekha, V. Ashwini, " Modified dual channel PCNN algorithm with hybrid edge enhancement approach for multimodality brain image fusion" International Journal of Biomedical Engineering and Technology, DOI: 10.1504/IJBET.2017.10006801, June, 2018

6. B. Bharathi, " Speaker-specific-text based speaker verification system using spectral and phase based features", International Journal of Speech Technology, Springer Science+Business Media,10.1007/s10772-017-9416-2, May 2017, vol.20(3),pp.465-474.

7. P.Sharath Chander, J.Soundarya, R.Priyadharsini,and B.Bharathi, "Data Analysıs of Natural Language Queryıng Usıng NLP Interface", International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 13, Number 8 , May (2018) pp. 5792-5795, SJR:0.15.

8. Kavitha srinivasan, Mohanavalli subramaniam and Bharathi bhagavathsingh, published a paper titled as "Optimized bilevel classifier for brain tumor type and grade discrimination using

evolutionary fuzzy computing", in Turkish Journal of Electrical Engineering & Computer Sciences, (2019) 27: 1704 – 1718, doi:10.3906/elk-1804-13. IF:0.69

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1. Bharathi B, Mohamed Ashique A, Aravind Krishna V V, Kavitha S, "Speaker age estimation from speech utterance using i-vector and Gaussian mixture model", Seventh international conference on Advanced Computing(ICoAC'15), MIT campus, Anna University, Chennai, Dec 15-17, 2015

2. Bharathi B, Kavitha S, Umar Ali S and Mohana Priya K, "Speaker verification in a noisy environment by enhancing the speech signal using various approaches of spectral subtraction", 10th IEEE International Conference on Intelligent Systems and Control (ISCO 2016), Karpagam college of Engineering, Coimbatore. Jan 7-8, 2016

3. Kavitha S, Mohana Priya K and Bharathi B, "Brain tumor types and grades classification based on statistical feature set using Support Vector Machine", IEEE International Conference on Intelligent Systems and Control (ISCO 2016), Karpagam college of Engineering, Coimbatore, Jan 7-8, 2016.

4. B. Bharathi, S. Kavitha, Nekshan Percy Kotwal, Nivedita Parasaram and J. Piriyanga, "Unit selection based speech synthesis for converting short text message into voice message in mobile phones", International conference on advanced computing and communication systems, Sri Eshwar College of Engineering, Coimbatore, January 6-7, 2017.

5. Hans Krupakar, Keerthika Rajvel, B. Bharathi, Angel Deborah and K. Valli devi, "A survey of voice translation methodologies -acoustic dialect decoder" IEEE International Conference on Information Communication & Embedded Systems(ICICES 2016), S.A. Engineering College Chennai, Feb 25-26, 2016.

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7. B. Bharathi, G. Sridevi, G.J. Varshitha, "Recognizing and Retrieving the meaning of Thirukkural from speech utterances", International conference on signal processing, communications & networking, Madras Institute of Technology, March 16-18, 2017.**(Received Best Paper Award)**

8. J Mary Hanna Priyadharshini, S Kavitha and B. Bharathi, "Classification and Analysis of Human Activities", IEEE International Conference on Communication and Signal Processing (ICCSP 2017), April 6-8, 2017.

9. Bharathi B, Kavitha S, Shashaank D S, Priyanka S and Sriram V, "Speech Recognition based Chess System for Visually Challanged", International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS 2017), SKR Engineering College, Poonamallee, August 1-2,2017.

10. B. Bharathi,M. Anirudh, J. Bhuvana published a paper titled "Bharathi SSN @ INLI-FIRE-2017:SVM based approach for Indian Native Language Identification" International conference on Forum of Information Retrieval Evaluation (FIRE 2017), In CEUR proceedings, Vol. 2036, pages:110-112, Indian Institute of Science, Dec. 2017.

11. Bharathi B, Kavitha S and Suga Priya S, " Bilingual speech recognition system for isolated words using deep neural network", International Conference on Computer, Communication, and Signal Processing (ICCCSP – 2018), SSN College of Engineering, Feb 22-23, 2018.

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13. Mirunalini P, Bharathi B, Nirupan Ananthamurugan, Skanda Suresh and Shreyas Gopal, "Multi-Level Smart Parking System", International Conference on Computer, Communication, and Signal Processing (ICCCSP – 2018), SSN College of Engineering, Feb 22-23, 2018.

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15. Suvidha Rupesh kumar, B. Bharathi, "Spoofing detection-A challenge in ASV – A survey" in International conference on cognitive IoT with big data and cloud(ICCIBC 2018), Hindustan Institute of Technology & Science, 25-26, Oct. 2018.

16. B. Bharathi, J. Bhuvana, "Statistical testing based feature selection for Native Language Identification", 10th international conference at DAIICT (FIRE 2018), Gandhinagar, Gujarat, December 7-9, 2018, pp.59-67. [CEUR proceedings, Volume: 2266] (scopus)

17. B. Bharathi, J. Bhuvana, "Domain Name Detection and Classification Using Deep Neural Networks", International Symposium on Security in Computing and Communication, pp. 678-686, Springer , 2018.

18. Saranya S, Suvidha Rupesh Kumar and Bharathi B., "Deep learning approach : Detection of replay attack in ASV systems, International Conference on Soft Computing and Signal Processing (ICSCSP-2019), Malla Reddy College of Engineering & Technology, Hyderabad, June 21-22, 2019.

19. Hemapriyalakshmi R, Akshara S, Keerthana S, Bharathi B and Kavitha S., "Acoustic Scene Classication using Convolutional Neural Network", International Conference on Soft Computing and Signal Processing (ICSCSP-2019), Malla Reddy College of Engineering & Technology, Hyderabad, June 21-22, 2019.

20. Sharmadha S, Shivani K, Shruthi K, Bharathi B and Kavitha S, "Automatic speech recognition using deep neural network" International Conference on Soft Computing and Signal Processing (ICSCSP-2019), Malla Reddy College of Engineering & Technology, Hyderabad, June 21-22, 2019.

21. J. Mary Hanna Priyadharshini, S. Kavitha, and B. Bharathi, published a paper titled as "Comparative analysis of multilayer backpropagation and multi-channel deep convolutional neural network for human activity recognition", AIP Conference Proceedings 2095, 030014 (2019);https://doi.org/10.1063/1.5097525 Published Online: 09 April 2019