

## **List of Publications:**

### **National Conference:**

1) M.A.Anusuya and S.K.Katti, —Speaker independent kannada speech recognition using vector quantization, National conference on Advancement in Electronics & Telecommunication Engineering, 7th-8th, Nanded-43106, April 2012. **Proceedings published by International Journal of Computer Application, Vol.1, ISSN:0975-8887,2012.**

### **List of International Conferences:**

1) M.A.Anusuya and S.K.Katti, —An overview on Modeling Field Theory and its various applications, Second International conference on cognition and Recognition organized by PES college of Engg., 10-12th, pp.671-680, Mandya, Karnataka, April 2008.

2) M.A.Anusuya and S.K.Katti, —Mel frequency Discrete Wavelet coefficients for kannada speech recognition using PCA, International joint conference on Advances in Engineering and Technology, ACEEE, Trivandrum, December 21-22, India, 2010.

3) M.A.Anusuya and S.K.Katti, —Kannada speech recognition using Discrete wavelet transform, International conference on computer applications, Dec.24-27, Pondicherry, India, 2010.

4) M.A.Anusuya and S.K.Katti, —Discrete wavelet transform for Noisy kannada speech recognition, International conference on computational Intelligence, G.R.Govindaraju school of applied computer technology, PSGR Krishnammal College for women, Peelamedu, Coimbatore, 2010.

5) M.A.Anusuya and S.K.Katti, —Wavelet packet based kannada speech recognition, International conference on Advanced computing and communication technologies, RG education society, Gymkhana club, HUDA sector-4, Rohtak, Jan 21-23, India, 2011. 301

6) M.A.Anusuya and S.K.Katti, —Speech compression and recognition using wavelet packets, International conference on Recent Innovation in Technology, Rajiv Gandhi Institute of technology, Feb. 10-12, Kottayam, Kerala, India, 2011.

7) Vani H Y, Anusuya M.A. “Isolated speech recognition using Fuzzy technique”, International conference on Electronics, Computer Science & Technology, 17-19th December 2015, PESCE, Mandya.

8) Vani H.Y. Anusuya M.A., “Hilbert Huang Transform based speech recognition, International conference on cognitive computing and information Processing, SJCE, 2016.

9)Vani H.Y. and M.A.Anusuya,“ Noisy speech recognition using Wavelets and FCM”, International conference on Network security and information, Kuala Lumpur, Malesiya, Dec 2016.**(Awarded as best paper and selected as best oral presented paper).**

10)Mounesh and M.A.Anusuya, “Application of index of coincidence and Birthdaproblem to Active listening application”, International Conference on Cognitive Computing and Information Processing”, SJCE 2016.

11)Amaresh P Kandagal, V.Udayashankara, M.A.Anusuya,“Silent Speech Recognition”, International Conference on Cognitive Computing and Information Processing”, JSSATE, Bangalore, December 2017. **(Publishing in springer's Communication in computer and Information Science conference proceedings)**

12)Vani HY and M.A.Anusuya,“ Noisy speech recognition using KFCM”, International Conference on Cognitive Computing and Information Processing”, JSSATE, Bangalore, December 2017. **(Publishing in springer's Communication in computer and Information Science conference proceedings).**

13) Vani H.Y., Anusuya M.A. et.al.,” Fuzzy clustering algorithms – Comparative studies for noisy speech signals”, International journal of soft computing, DOI:10.21917, pp.1920-1926, 2019.

14) Shradhha,M.L. Chayadevi, M.A.Anusuya, “Noise cancellation and Noise Reduction Techniques: A review”, Paper has been accepted in the first IEEE International conference on “Advances in Information technology”, going to be held in Adichunchanagiri, Tumkur.**(It has been accepted and published under IEEE online journal).**

15) Vani H Y, Anusuya M A, “A Neuro Fuzzy Classifier with Linguistic Hedges for Speech Recognition”, IOT 19(20), EAI, 2019.

16) Vani H Y, Anusuya M A, “Fuzzy Speech Recognition: A Review”, International Journal of Computer Applications , Vol 177(47), March 2020,pp.39-54.

17) VANI H Y, Anusuya M A, “Morlet-KPCA features for Speech Recognition”, Journal of Computational and Theoretical Nanoscience Vol. 17, 1–5, 2020 (Scopus indexed)

18) Vani H Y, Anusuya M A, “Improving speech recognition using bionic wavelet features”, AIMS Electronics and Electrical Engineering, Vol 4 Issue 2, 2020 (Scopus indexed).

19)K.B.Drakshayini, M.A.Anusuya, “ Vector Quantization for stuttered specrecognition”, National conference on Advancement in Information technology, JSSATE, Bangalore, May 2018. Journal of Image processing and Artificial Intelligence, e-ISSN : 2581-38032 e-ISSN: Volume 4,Issue 2,13 th July, 2018. **Paper was identified as the best paper of the session.**

20) Shradha, M L Chayadevi, Anusuya, "Speech Enhancement by Noise Cancellation: A Review", National conference on Advancement in Information technology, 7th May at JSSATE Bangalore, 2018, Journal of Image processing and Artificial Intelligence, e-ISSN : 2581-3803I, Volume 4, issue 2, 13th July, 2018.

21) Shraavan Kumar Uppin, Anusuya M.A., "Expert system design to predict heart and diabetes diseases", International Journal of Scientific Engineering and Technology, ISSN:2277-1581, Vol.3, issue No.8, pp.1054-1059, 1st August 2014.

22) Rahul Kulkarni, Anusuya M.A., "Applications of Cellular Automata", International Journal of Advanced Research in Information and Communication Engineering 2321-8762, Vol.3, Issue 7, July 2015.

23) Vidya, Lahari, Akash, Preethish, M.A. Anusuya, "Comparative study of various distance measures for isolated speech recognition application", International Journal of Engineering Sciences and research technology, ISSN 2277-9655, Vol.4, Issue 6, June 2015.

24) Somyashree K K, M.A. Anusuya, "Proliant G and N9 blade servers for data enter", International journal of Research, Vol-3, Issue 11, ISN:2348-6848, July 2016

25) Sandya Koti and M.A. Anusuya, "Secure payments to the Internet of Things using UPI", International journal of Computer Science Engineering and Technology, vol.7(7)2017, pp.69-72, ISBN:2234-9711, 2017.

26) Kavya C, M.A. Anusuya, "Detection of Lane and Vehicle in Lane Departure warning System(LDWS)", International Research Journal of Engineering and Technology, Vol.6, Issue 7 July 2019.

27) Pushkarani, M.A Anusuya and Pushkarini H, d "A prediction model for evaluating the risk of developing PCOS" is published in International Research Journal of Engineering and Technology (IRJET) Volume 7, Issue 9, September 2020.

#### **Book Chapters Published**

1) Kandagal A.P., Udayashankara V, Anusuya M.A. (2018) Silent Speech Recognition. In: Cognitive Computing and Information Processing. CCIP 2017. Communications in Computer and Information Science, vol 801. Springer, Singapore, 2018.

2) Vani H.Y., Anusuya M.A. ,(2018) Noisy Speech Recognition Using Kernel Fuzzy C Means Cognitive Computing and Information Processing. CCIP 2017. Communications in Computer and Information Science, vol 801. Springer, Singapore, 2018.

