

PUBLICATIONS

International journals – 21

National Journals --0

International conferences – 8

National conferences – 5

LIST OF PUBLICATIONS

INTERNATIONAL JOURNAL:

1. Shreekanth T, Deeksha M R and Karthikeya R Kaushik, "A Novel Data Independent Approach for Conversion of Hand Punched Kannada Braille Script to Text and Speech", International Journal of Image and Graphics, World Scientific, 2017. (Accepted)
2. Shreekanth T and Madhukumar M, "Analysis and Estimation of Traffic Density: An Efficient Real Time Approach using Image Processing", International Journal of Signal and Imaging Systems Engineering, Inderscience, 2017. (Accepted)
3. Shreekanth T, Shashidhar R and Basavaraju N M, "Performance Evaluation of Edge detection techniques in Spatial and Frequency domain", International Journal of Multimedia and Image Processing, 2017. (Accepted)
4. Shreekanth T and Saraswathi S, "Acoustic Analysis and Classification of Infant Cry: A Novel Approach, Journal on Digital Signal Processing, 2017. (Accepted)
5. T.SHREEKANTH and V.UDAYASHANKARA, "A Histogram Based Two-Stage Adaptive Character Segmentation for Transcription of Inter-Point Hindi Braille to Text", International Journal of Image and Graphics, World Scientific, Vol.15, No.3, 2015.
6. T.SHREEKANTH and V.UDAYASHANKARA, "A New Research Resource for Optical Recognition of Embossed and Hand-Punched Hindi Devanagari Braille Characters: BHARATI BRAILLE BANK", International Journal of Image, Graphics and Signal Processing, Vol.7, pp 19-28, 2015.
7. T.SHREEKANTH and V.UDAYASHANKARA, "Duration Modelling Using Neural Networks for Hindi TTS System Considering Position of Syllable in a Word", Computer science Journal, Elsevier, Vol 46, pp.60-67,2015. doi:10.1016/j.procs.2015.01.056
8. T.SHREEKANTH and V.UDAYASHANKARA, "A Novel Adaptive Thresholding Algorithm using Eight Connectivity based Two-pass Connected-Component Labelling technique for Two Sided Braille Dot Detection", International Journal of Image Processing, Vol 8(5), 2014, pp. 294-312.
9. T.SHREEKANTH and V.UDAYASHANKARA, "An Unit Selection based Hindi Text to Speech Synthesis System Using Syllable as a Basic Unit", Journal of VLSI and Signal Processing (IOSR-JVSP) Volume 4, Issue 4, Ver. II (Jul-Aug. 2014), PP 49-57 e-ISSN: 2319 – 4200, p-ISSN No. : 2319 – 4197.

10. T.SHREEKANTH and V.UDAYASHANKARA, "Braille dot extraction for Optical Braille Character Recognition through unsharp masking: A frequency domain filtering approach", International Journal of Recent Trends in Engineering and Technology, ACEEE. (Accepted on July 14, 2014)
11. T.SHREEKANTH and V.UDAYASHANKARA, "A Review on software algorithms for optical recognition of embossed Braille characters", International Journal of computer applications (0975-8887), Vol.81-No.3, November 2013, pp.25-35.
12. T.SHREEKANTH and V.UDAYASHANKARA, "An Algorithmic approach for double sided Braille dot recognition using image processing Techniques", International Journal of Image processing and Visual Communication, ISSN:2319-9784 , Vol.2 , Issue 5, June 2014.
13. BHARATH B. S. R and SHREEKANTH T, "Auditory Guidance for Blind People to Recognize the Clothing Patterns", International Advanced Research Journal in Science, Engineering and Technology, Vol. 2, Issue 5, May 2015, pp 85-88.
14. ARUNKUMAR.C, SHREEKANTH.T and V.UDAYASHANKARA," Development of Speech Database for Hindi Text-To-Speech System Considering Syllable as a Basic Unit ", International Journal of Advanced Research in Computer Science and Software Engineering, Vol.4, Issue 5, May 2014, pp.531-549.
15. ARUNKUMAR.C and SHREEKANTH.T," A Comprehensive Review on Concatenation Based Text-To-Speech Synthesis for Indian Language", International Journal of Electrical and Electronic Engineering and Telecommunications, ISSN: 2319-2518, Volume 3, No.2, April 2014, pp.17-25.
16. CHANDRIKA.M and SHREEKANTH.T, "Duration Modeling Techniques for Indian Language TTS System: A Review", International Journal of Latest Trends in Engineering and Technology, ISSN: 2278-621X, Vol. 3 Issue 3 January 2014, pp.17-21.
17. SOWMYA.M S and SHREEKANTH.T," Comparative Study on Braille Image Enhancement Using Spatial Domain Enhancement Techniques", International Journal of Engineering Science and Innovative Technology (IJESIT), ISSN: 2319-5967, Volume 3, Issue 1, January 2014, pp.296-306.
- 18.ASHWINI N and SHREEKANTH T," Two Out of Three Threshold Visual Cryptography Data Hiding Scheme for Block Truncation Coding", IJCSET ,May 2013, Vol 3, Issue 5,pp 166-172.
19. APARNA N.S and SHREEKANTH T, "Text to speech synthesis of Hindi Language using polysyllable like units", International Journal of computer applications (0975-8887), NCPSIA-No.3, 2015, pp.15-20.
- 20.HARIPRASAD B, SHREEKANTH T and AJEESH K ABRAHAM, " Reaction Time Measurement System for the Assessment of Persons with Auditory Processing Disorder", Journal of VLSI and Signal Processing, Vol.6, Issue 4, pp.50-54, 2016.
21. Basavaraju N M and Shreekanth T, "Image Reconstruction Algorithm Based on Patch Dictionary Method for CT and MRI Images", Journal of Research in Science, Engineering, Technology and Management, Vol.3, Issue 4,pp.5-13, 2017.

NATIONAL JOURNAL:

NIL

INTERNATIONAL CONFERENCE:

1. T.SHREEKANTH and V.UDAYASHANKARA, "An Efficient Recursive Technique for Braille Dot Extraction in Optical Braille Recognition through Frequency Domain Approach", International Conference on Advances in Computing, Control and Communication Technology (IAC3T 2016), at University of Allahabad, 25-27 March, 2016, Allied Publishers, pp.107-114.
2. T.SHREEKANTH and V.UDAYASHANKARA, "A Novel Data Inherent Adaptive Thresholding Algorithm for Inter-Point Braille Dot Recognition", Third International Conference on Innovations in Computer Science and Engineering (ICICSE), at Guru Nanak Institutions, Hyderabad, 7-8 Aug, 2015.
3. SHREEKANTH. T, UDAYASHANKARA. V., "A two stage Braille Character segmentation approach for embossed double sided Hindi Devanagari Braille documents," IEEE International Conference on Contemporary Computing and Informatics (IC3I) ,pp.533-538, 27-29 Nov, 2014. doi: 10.1109/IC3I.2014.7019590.
4. T.SHREEKANTH and V.UDAYASHANKARA, "Braille Image Enhancement using Frequency Domain Filtering Approach for Optical Braille Character Recognition", Proc. of Int. Conf. on Recent Trends in Signal Processing, Image Processing and VLSI, ACEEE, 2014, pp. 449-457.
5. Hariprasad B, Shreekanth T and Ajish K Abraham, "GUI for the Detection of Auditory Processing Disorder using Reaction Time Measurement System", International Conference on Advanced Innovations in Engineering and Technology (ICAET 2017), at Rohini College of Engineering and Technology, Kanyakumari, 14-15 Feb, 2017.
6. PRASHANTH and SHREEKANTH T, "Hotel Automation System", Second International Conference on recent trends in Signal Processing, Image Processing and VLSI, Don Bosco Institute of Technology, Bangalore, 2015.
7. ANOOP M N, DEEPAK T S and SHREEKANTH T, "An approach for analysis and identification of Raga of flute music using spectrogram", International Conference on Trends in

Electronics and Informatics, IEEE, 2017, at SCAD College of Engineering and Technology, Tiruvenelveli, India on 11-12, May 2017, pp.261-266.

8. SHREEKANTH. T and SHASHIDHAR R, "An Application of Image Processing Technique for Compression of ECG Signals based on Region of Interest Strategy", International conference on Computational Vision and Bio Inspired Computing, Coimbatore, Tamilnadu, India on 21-22 September, 2017.

NATIONAL CONFERENCES:

1. SHREEKANTH. T and SUKUMAR.M, "A Cut & Align Beat Approach for 2-D Compression of ECG Signals Based on JPEG2000", National conference on Computational Control Systems and Optimization, Dr. AIT, Bangalore, 2011.

2. APARNA N.S and SHREEKANTH T, "Hindi text to speech synthesis using polysyllable like units", National Conference on "Electronics, Signals, Communication & Optimization, GSSSIETW, Mysore, 2015.

3. Poornima Jain P.J. and SHREEKANTH T, "Design and implementation of efficient Permutation clos network Design for MPNOC", National Conference on "Electronics, Signals, Communication & Optimization, GSSSIETW, Mysore, 2015.

4. Shylaja.C and SHREEKANTH T, "Optimization of Block Cipher with SIMON", National Conference on "Electronics, Signals, Communication & Optimization, GSSSIETW, Mysore, 2015.

5. Yogeesh.T.R and SHREEKANTH T, "A Pursuit of Dynamic Address alternator for WIMAX Deinterleaver", National Conference on "Electronics, Signals, Communication & Optimization, GSSSIETW, Mysore, 2015.