Mrs.Bhagyalaxmi Jena

Name   : Bhagyalaxmi Jena

Designation   : Sr. Assistant Professor

Department   : Department of Electronics & Communication
                      Engineering.
                      (JOINED THE INSTITUTE IN 2007)

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RESEARCH INTERESTS:
 I) Signal Processing
 ii) Speech and Voice Analysis
 iii) Speech Recognition

Academic Qualifications

Ph. D. (Electronics), KIIT University, School of Electronics, Bhubaneswar, Odisha, India

M. Tech. (Electronics), SOA UNIVERSITY, ITER, Bhubaneswar, Odisha, India

B.Tech. (ETC), Silicon Institute of Technology, Bhubaneswar, Odisha, India

Diploma(ETC),WOMENS POLYTECHNIC, SCTE & VT, Bhubaneswar, Odisha, India

10TH Standard, Cambridge School, ICSE, Cuttack, Odisha

Teaching Experience/Industrial Experience/Research Experience

Teaching Experience   : More than 14 years

Research Experience   : More than 12 years

PUBLICATIONS

JOURNAL & CONFERENCES

1. **Bhagyalaxmi Jena,** Akankshya Jena, Sudhansu Sekhar Singh, "Stress speech recognition using Support Vector Machine and Random Forest", Indian Journal of Public Health Research and Development, Vol.9, Issue.9, PP – 1014-1018, 2018.
2. **Bhagyalaxmi Jena**, Sudhansu Sekhar Singh, " An approach to spectral analysis of psychologically influenced speech", International Journal of Engineering and Technology, Vol. 7, Issue.1.2, PP – 66-70, 2018
3. **Bhagyalaxmi Jena,** Sudhansu Sekhar Singh, "Analysis of Stressed Speech on Teager Energy Operator (TEO)", International Journal of Pure and Applied Mathematics, Vol.18, Issue. 16, PP – 667-680, 2018.
4. **Bhagyalaxmi Jena**, Krishna Tejoswini, Tania Bose, " Stress Speech Signal using Random Forest and KNN Classifier: A Review", International Conference on Applied Electromagnetics, Signal Processing and Communication (AESPC), 2018.

5. **Bhagyalaxmi Jena**, Sudhansu Sekhar Singh, "Psychological Stress Speech Analysis: A Review", International Journal of Engineering Research and Technology, Vol.4, Issue. 28, PP – 01 -04, 2016.

6. **Bhagyalaxmi Jena**, Sudhansu Sekhar Singh, " Time Domain and Frequency Domain Analysis on Psychological Stress Speech Signals", International Journal on Advanced Electrical and Computer Engineering, Vol.4, Issue. 2, PP- 05 -09, 2017.

7. **Bhagyalaxmi Jena**, Anket Biswal, Sudhansu Sekhar Singh, "Speech Under Stress: Analysis and Recognition", ITSI Transactions on Electrical and Electronics Engineering, Vol. 5, Issue -1-2, PP – 20-23, 2017.

8. **Bhagyalaxmi Jena,** Anket Biswal, Sudhansu Sekhar Singh, "Detection of Speech under Psychological Stress During Exam", International Conference on Recent Innovations in Electrical, Electronics and Communication Engineering (ICRIEECE), July 27th-28th ,2018.

9. Abhilash Mohanty, **Bhagyalaxmi Jena**, Suchitra Nanda, Sudhanansu Sekhar Singh, "Psychological Stress Speech Analysis", Asian Journal of Convergence in Technology, Vol. 3, Issue 3, 2017.

ANY OTHER

Book Chapter
Conferences attended