Ms. Rajeshwari, B. S

List of Publications:

Journal:

1. **Rajeshwari, B. S**., Madhurima Patra, Aman Sinha, Arnab Sengupta, and Nirmalya Ghosh. "Detection of Phonocardiogram Event Patterns in Mitral Valve Prolapse: An Automated Clinically Relevant Explainable Diagnostic Framework." *IEEE Transactions on Instrumentation and Measurement* (2023).

International Conference

2. **Rajeshwari, B. S**., Aman Sinha, Arnab Sengupta, Madhurima Patra, Karuna P. Sahoo, and Nirmalya Ghosh. "Synchrosqueezed Transform based Click Event Segmentation in Phonocardiogram of Mitral Valve Prolapse." In *2022 44th Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)*, pp. 1997-2000. IEEE, 2022.

3. **Rajeshwari, B. S**., Aman Sinha, Arnab Sengupta and Nirmalya Ghosh., "Estimation of Cardiotocogram.", ***International Conference on Futuristic Technologies (INCOFT)***, *Karnataka, India. Nov 25-27, 2022*

4. Patra, Madhurima, **Rajeshwari BS**, Arnab Sengupta, Amit Patra, and Nirmalya Ghosh. "Wavelet based event detection in the phonocardiogram of prolapsed mitral valve." In *2021 43rd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)*, pp. 841-844. IEEE, 2021.

5. **Rajeswari B.S**, Kumaraswamy. R, "Speech Enhancement in Multispeaker Environment using Speech-specific Information", *Proceedings of International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA-13)*, Aug. 1-4, 2014.

6. Monika, **Rajeshwari B.S**., "Android 5.0 porting on Magik2 based on iMX6 quad core processor", International conference, NMIT, Nitte, Udupi District, 12th May 2017.

7. Deexith V, **Rajeshwari B.S.**, "Android 7.1.2 porting on Magik2 board based on I.MX6 processor.**,** International conference *Science globe in association with IRAJ research forum*, Bengaluru, 10th June 2018

National Conference:

8. **Rajeswari B.S** and R. Kumaraswamy, "Estimating Mixing Parameters From Multispeaker Data Using Excitation Information", *in Proc. Of National Conference on Communication and network security*, RVCE, pp175-179, Bangalore, 2010

9. **Rajeswari B.S**. and R. Kumaraswamy, "Blind Source Separation of Multispeaker Data Using Speech-Specific information", *in Proc. National Conference on Advances in Electronics & Communication*, NHCE, Bangalore, pp-1-8, 2010.

10. **Rajeshwari B.S.** and Lavanya K, "Extraction of Nuclei of White blood cell from microscopic cell image", *Journal of Instrumentation Society of India (ISOI),* Vol.46, No.4, pp 165-167. Dec 2016.

11. Chandana G P, Divyashree S V, Harshitha K H, and Pooja V, **Rajeshwari B. S.**, "Accident prevention using IR sensor", *National Symposium on Instrumentation (NSI-40), KCT* Coimbatore, October 30th and 31st 2015.