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### **Publication Details:**

1. **Sofia Bobby J**, “Peak alpha Neurofeedback training on cognitive performance in elderly subjects” in the International journal of Medical Engineering and Informatics (IJMEI), Vol 12,No.3, April 2020.
2. Kapali BSC, Ratchanyaraj IAJ, Santhosh GT, **Bobby JS**, Annapoorani CL. A Study on Effect of Chronic Alcoholism Leading to Cardiomyopathy- Using HRV as A Tool. JCR. 2020; 7(5): 1188-1193.doi:10.48047/jcr.07.05.472, July 2020
3. **Sofia Bobby J**, “Skin Reflectance Based Diagnosis and Monitoring of Thyroid Diseases” in the Indian Journal of Public Health Research & Development, Vol.10, No.7, pp.1464-1467, July 2019.
4. **Sofia Bobby J**, Nithya M V, Naveen S, Akshaya U G, “Detection of Retinopathy in Diabetes II Patients Using Visual Evoked Potential”, in the International journal of pure and applied mathematics, Vol 120,No.5,1093-1098, August 2018
5. **Sofia Bobby J** Navani L, Harini K, Monika P G, “Control of Electrical appliances using EOG signal” in the International Journal of scientific research and review, Vol 7, issue 4, pp 215-220, April 2018.
6. **Sofia Bobby, J** & Prakash, S ‘Upper alpha Neurofeedback Training enhances working memory performance using LabVIEW’, in the International Journal of Biomedical Engineering and Technology (IJBT), Vol 25, No.2-4, pp 120-132 Oct 2017(Impact Factor = 0.54) – (**ANNEXURE-I**)
7. **Sofia Bobby, J** B Lavanya, M Jayashree, V Viswanath ‘EEG Radio telemetry’, in the International Journal of Emerging Trends in Science and Technology, Vol.04,Issue||06||, pp 5221-5227, July 2017
8. **Sofia Bobby, J** & Prakash, S published a paper titled ‘Beta/theta Ratio Neurofeedback Training using LabVIEW’ in International Journal Engineering Trends and Technology, Vol 36, No.4, June 2016

9. **Sofia Bobby, J** , Sumitha, published a paper titled ‘Diagnosis of Congenital Heart Disease using Fetal phonocardiography’ in International Journal of Research and Review in Applied sciences & Engineering, Vol.8, No.1, May 2016
10. **Sofia Bobby, J** Chandrasekar , ‘Wireless aid for the voiceless’ in the International journal of engineering and technical research, Vol.1, Issue 4, pp 964-967, June 2014

#### **CONFERENCE PUBLICATIONS:**

1. **Sofia Bobby, J** presented a paper titled “Passive voice for the Dumb” in International conference on Emerging trends in science and technology at JCE, 2019
2. **Sofia Bobby, J** presented a paper titled “Evaluation of air quality parameters for Asthma management” in International conference on Emerging trends in science and technology at JCE, 2019
3. **Sofia Bobby, J** presented a paper titled “Skin Reflectance based diagnosis and monitoring of Thyroid” in International conference on Emerging trends in science and technology at JCE, 2019
4. **Sofia Bobby, J** presented a paper titled “Neurofeedback training using single channel EEG” in International conference organized by Alpha college of Engg, 2019
5. **Sofia Bobby, J** presented a paper titled “VEP based detection of Retinopathy in Daibetes mellitus” in International conference organized by Alpha college of Engg, 2019
6. **Sofia Bobby, J** presented a paper titled “Detection of Hypoglycemia based on EEG signal” in National conference organized by Vels University, 2019
7. **Sofia Bobby, J** & Ms.C.L.Annapoorani presented a paper titled “Design of Lie Detector system using EEG signal Acquisition” in National conference organized by Bharath University, 2019
8. **Sofia Bobby, J** presented a paper ‘Effect of Beta/Theta Neurofeedback onCognitive Performance in the Elderly’, in the International Conference at veltech multitech college of engineering, March 2018
9. **Sofia Bobby J** presented a paper titled “Control of electrical appliances using EOG signal “ in national conference on Emerging Trends in Science, engineering & Technology March 16 ICETSET 2018
10. **Sofia Bobby J** presented a paper titled “EEG based Neurofeedback training for Elderly subjects “in national conference on Emerging Trends in Science, engineering & Technology March 16 ICETSET 2018
11. **Sofia Bobby, J** Revathi, Presented a paper ‘PAF training for cognitive Enhancement in the elderly people’ in ICETSET at Jerusalem college of Engg, March 2017

12. **Sofia Bobby, J** Sumitha and Vaitheeswari published a paper titled “Diagnosis of congenital heart disease using fetal phonocardiography” in the International conference at Avvaiyar college of engineering Pondicherry on May 2016.
13. **Sofia Bobby, J** Sumitha and Vaitheeswari published a paper titled “ Diagnosis of congenital heart disease using fetal phonocardiography” in the International Journals of Research and Reviews in Applied sciences and Engineering” Vol.8, No.1, May 2016, PP.92-99.
14. **Sofia Bobby, J** Sridevi & Karoline presented a paper ‘Upper alpha NFB improves working memory performance’ in the second International conference in St.Peters Institute of Technology, May 2015.
15. **Sofia Bobby, J** presented paper ‘Wireless communication for voiceless’, at Agni college of Engg, March, 2015
16. Kalaivani, M **Sofia Bobby, J** presented a paper , ‘P300 & Hurst exponent based stroke Rehabilitation’ in National conference on Recent advances in communication, electrical at Prathyusha institute of Technology, March 2011
17. **Sofia Bobby, J** presented a paper , ‘monitoring of body activities using MEMS’ in National conference on Emerging trends in Engineering and Technology at Rajarajeswari college of Engg, April 2009