

SSN College Of Engineering, Kalavakkam

Department of Biomedical Engineering

Conference Publication Details

2020 - 2021

1. Ananya R, Ishaasamyuktha S, Vaishali Harimani, **Mahesh Veezhinathan, Geethanjali B**, Bhuvaneshwari Rajendran, “Processing of EEG signals for the classification of Epilepsy”, IEEE - International Conference on Communication and Signal Processing organised by Adhiparasakthi College of Engineering, Melmaruvathur, July 28-30, 2020 (Presented via Zoom)
2. **Suganthi L, Nirmala K**, Deepa S, Nagalakshmi. K, Santhya M, “Detection of Pneumonia clouds from /chest X-Ray Images”, International Conference on Data Intelligence and Cognitive Informatics organized by SCAD College of Engineering and Technology, Tirunelveli, July 8-9, 2020
3. Monica R, **Nirmala K, Divya B, Suganthi L**, “Recognition of medicine using CNN for Visually impaired”, IEEE - International Conference on Communication and Signal Processing organised by Adhiparasakthi College of Engineering, Melmaruvathur, July 28-30, 2020 (Presented via Zoom)
4. Vivekanathan B, **Nithya R and Divya B**, “Analysis of Motor Action and Motor ImagerySignals”, 10th International Conference on Science and Innovative Engineering organized by Jawahar Engineering College, Chennai, July 2020.
5. Srija S, Kawya P, Akshara Reddy T and **M Dhanalakshmi**, “Raspberry Pi Based Wearable Reader for Visually Impaired People with Haptic Feedback”, IEEE International conference on Electronics and Sustainable Communication Systems (ICESCS 2020), organized by Hindustan Institute of Technology (HIT) Coimbatore, July 2-4, 2020.
6. Akshara Reddy T, Kawya P, Srija S and **Dhanalakshmi M**, “An alternate foot brace for clubfoot correction”, IEEE B-HTC 2020 - 2020 IEEE Bangalore Humanitarian Technology Conference, Oct 8-10, 2020
7. Sandhanakrishnan R, Rhea Jain, Suhashine Sukumar, Subramanian RP, **Arun Karthick S, Pravin Kumar S**, “Modelling of Human Vocal Folds and Systematic Investigation of their Vibrations from Kymogram”, in 2020 IEEE REGION 10 CONFERENCE (TENCON), Osaka, Japan during November 16-19, 2020.
8. S. Varsha, B. Harsha, **S. Pravin Kumar, A. Kavitha**, and Shriram Mahadevan, "Portable Refrigeration Unit for Insulin Storage" in the Endocrinology week, organized by Endocrine Society of India, Kolkata during Nov 16-22, 2020.
9. Prasadha Prabhu, **S. Pravin Kumar, A. Kavitha**, and Shriram Mahadevan, “Statistical Model Analysis and Prediction of Pima Indians Type 2 Diabetes” in the

Endocrinology week, organized by Endocrine Society of India, Kolkata during Nov 16-22, 2020.

10. Monica R, **Nirmala K, Vijay Jeyakumar, Divya B**, “Assessment of Fetal Biometry Using Ultrasound Images”, in 2020 IEEE International Conference on Advances and Developments in Electrical and Electronics Engineering (ICADEE 2020), organized by Karpagam college of Engineering during December 10-11 2020.
11. Ruba M, **Vijay Jeyakumar**, Gurucharan M K, Kousika V, Viveka S, “Non-Contact Pulse Rate Measurement using Facial Videos”, In Proceedings 2020 IEEE International Conference on Advances and Developments in Electrical and Electronics Engineering (ICADEE 2020), Coimbatore, 2020.
12. **Suganthi L, Divya B, Nirmala K**, “Portable Assistive system for Visually Impaired using Raspberry Pi”, in 2020 IEEE International Conference on Advances And Developments In Electrical And Electronics Engineering (ICADEE 2020) organized by Karpagam College of Engineering, Coimbatore, Nov 2020.
13. **S. Bagyaraj**, "Automatic True Vessel Identification by Efficient Removal of False Blood Vessels for Detection of Retinal Diseases", RTU TEQIP-III Sponsored 2nd International Conference on Communication and Intelligent Systems (ICCIS 2020) Jointly Organized in Virtual Format by Global Institute of Technology, Jaipur and Rajasthan Technical University, Kota in association with Birla Institute of Applied Sciences, Uttarakhand and Soft Computing Research Society, December 26-27, 2020.
14. R. Anitha and **R. Subashini**, "Assessment of in vitro biological activities of cassia auriculata aerial plant parts" in the International Conference on Innovations in Biotechnology and Life Sciences 2020 at Delhi Technological University, during 18-20 Dec 2020
15. Prema S, Venkatachary Jayanthi, **Vijay Jeyakumar**, “Investigating the phytopotential of plant extracts of Albizia saman for its pharmacognosy”, in the International Conference on Innovations in Biotechnology and Life Sciences 2020 at Delhi Technological University, during 18-20 Dec 2020.
16. **B. Geethanjali**, “Design and Development of EMG based Communication Aid for People Affected with Amyotrophic Lateral Sclerosis (ALS)”, at the International Conference On Applied Mathematics & Civil Structures (ICAMCS 2021) jointly organised by the Department of Mathematics and Department of Civil Engineering, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam during February 12 -13, 2021.
17. **S. Arun Karthick**, Devi B, “Cerium oxide nanofibres by electrospinning technique for photocatalytic degradation under visible light Irradiation”, in the 6th International Conference on Nanoscience and Nanotechnology organized by SRM Institute of Science and Technology, Kattankulathur during Feb 1-3, 2021.

18. **S. Arun Karthick**, Aishwarya. R, Durgaadevi. S.E, Saranya. T, “Preparation and characterization of Injectable Nano Hydroxyapatite as Bone Substitute” in the International Virtual Conference On Drug Discovery & Translational Research – DDTR-2021 organized by PONDICHERRY UNIVERSITY during Feb 25-26, 2021.
19. **S. Arun Karthick**, Aishwarya. R, Durgaadevi. S.E, Saranya. T, “Preparation and characterization of Injectable Nano Hydroxyapatite as Bone Substitute” in the International Virtual Conference On Drug Discovery & Translational Research – DDTR-2021 organized by PONDICHERRY UNIVERSITY during Feb 25-26, 2021.
20. **Mahesh Veezhinathan**, “Design of IoT Based Diagnosing Tool for Rural Population”, in two-day International Conference on Applied Mathematics Civil Structures organized by SSN during Feb.12-13, 2021.
21. **M. Dhanalakshmi**, "An external aid for Amyotrophic Lateral Sclerosis (ALS) and Drooping Head Syndrome (DHS) patients" in the International Conference on Advances in Smart Sensor, Signal Processing and Communication Technology (ICASSCT 2021) organized by the Department of Electronics, Goa University, Goa, India during 19 - 20, March 2021.
22. **S. Pravin Kumar**, “Measurement of Q Factor from Two Dimensional Images of Osteoarthritic Knee Braces”, at Medical Imaging and Computer-Aided Diagnosis (MICAD2021), conducted by Japanese Association for Medical Artificial Intelligence (JMAI), Birmingham, UK during March 25-26, 2021.
23. **S. Arun Karthick** and M. Gundhavi Devi “Fabrication of collagen/platelet rich plasma/Ag nanocomposite for wound healing applications”, International Virtual Conference on Futuristic Research in Nanotechnology, Faculty of Allied Health Sciences, Chettinad Academy of Research and Education, Chennai, India during 25 March 2021.
24. **S. Arun Karthick**, Anjana Anand, Harshini Ramaswamy, and Prasadha Prabhu, “Green Nanocosmetics: A Futuristic Approach” at International Virtual Conference on Futuristic Research in Nanotechnology, Faculty of Allied Health Sciences, Chettinad Academy of Research and Education, Chennai, India during 25 March 2021. (Won Best Poster Award)
25. R. Anandha Sree, B. Divya and **A. Kavitha**, “Task Specific Brain Synchronization In EEG Based Speech And Speech Imagery Procedures", in the International conference on novel approaches and developments in Biomedical engineering - ICNADBE 2021 organized by the department of Biomedical Engineering, Karunya Institute of Technology and Sciences, Coimbatore during 22-23 April 2021. (Won Best Poster Award)
26. R. Anandha Praba, **L. Suganthi**, E.S. Selva Priya and J. Jeslin Libisha, “ECG Signal Based Heart Disease Identification Using Neural Network Classifier”, in the 2nd

International E-Conference on Information, Communication and Networking organized by Easwari Engineering College, Chennai during 9 March 2021.

27. R. Anandha Praba, **L. Suganthi** and E.S. Selva Priya, "ECG Based Classification of Heart Disease Using Machine Learning Algorithms", in the International Conference on Multidisciplinary Innovations in Computing and Communications organized by Easwari Engineering College, Chennai on 19 March 2021.
28. S. Viswanath, G. Praveenkumar, S. Omprakash, **M. Dhanalakshmi**, "Composite blade for lower extremity amputees", in the Third International Composite blade for lower extremity amputees Conference on Materials Science and Manufacturing Technology 2021 (ICMSMT 2021) held at Coimbatore, during 15-16 April 2021.
29. Chetana Krishanan, Sandhya Varshini, and **Vijay Jeyakumar**, "Non-Clinical Pain Assessment System" in DST sponsored National Virtual Conference on Advanced Informatics, Electronics and Vision (NCAIEV' 21) organized by Dr. Mahalingam College of Engineering and Technology, Pollachi during 23 April 2021.
30. R. Anitha and **R. Subashini**, "Bioactive compounds in Cassia auriculata: From herbal medicine to drug discovery" in the Second International Virtual Conference on Recent Trends in "Clean Technologies for Sustainable Environment (CTSE-2021)" organized by the Department of chemical engineering, Sri Sivasubramaniya Nadar college of Engineering, during 6-7 May 2021.
31. **L. Suganthi**, E. S. Selva Priya and R. Anandha Pabha, "FPGA Enforcing of Data Encryption and Decryption by virtue of Cryptographic Algorithm for Secured Data Transmission", in International Conference on "Innovations and Technological Developments in Electronics, Computers, and Communication (ITDECC- 2021) organized by SRM Institute of Science and Technology, Ramapuram during 17-18 May 2021.
32. S. Bulusu, **S. Pravin Kumar**, J. G. Švec, P. Aichinger, "Neural-Network-Based Estimation of Vocal Fold Kinematic Parameters from Digital Videokymograms", in 14th International Conference Advances in Quantitative Laryngology, Voice and Speech Research (AQL), Bogotá, Colombia during June 7-10 June 2021.