

Department of Biomedical Instrumentation Engineering

Journal Publications

S. No	Name of the Author	Title of Paper Published	Name of the Journal	Volume/ Issue/ pp./ year
1.	Dr.Judith Justin	Enhancement of Single Channel Speech Quality and Intelligibility in Multiple Noise Conditions using Wiener Filter and Deep CNN	Soft Computing, Springer ISSN: 1433-7479	pp.1-11, 2021
2.	Mrs .R.Shijitha	Efficient Neuron Segmentation And Morphological Analysis Using SVM-KNN Classifier	Journal of Engineering and Technological Advances (JETA) ISSN: 2277-3878	Vol. 6, Iss.02, pp.1-12, 2021
3.	Mrs .S. Gowri, Dr.Judith Justin Dr. R. Vanithamani	An Improved Classification of MR Images for Cervical Cancer Using Convolutional Neural Networks	ICTACT Journal On Image And Video Processing ISSN: 0976-9102	Vol. 12, Iss. 02, pp.2605-2609, 2021
4.	Mrs .S. Gowri, Dr. Judith Justin, Dr. R. Vanithamani	Automated Nano-Technology Based Particulate Filters To A Clean Environment In Rooms Of Biomedical Applications	ICTACT Journal On Microelectronics ISSN: 2395-1680	Vol. 07, Iss. 03, pp.1189 – 1192, 2021
5.	Mrs .R.Shijitha	Efficient Morphological Segmentation of Brain Hemorrhage Stroke Lesion Through MultiRes UNet	Advanced signal acquisition and processing for Internet of Medical Things ISSN: 1546-2226 (Online)	Vol. 70, Iss. 03, pp.5233-5249, 2021
6.	Mrs .E.Smily Jeya Jothi	An Automatic Screening Approach for Obstructive Sleep Apnea from Photoplethysmograph using Machine Learning Techniques	TELKOMNIKA Telecommunication, Computing, Electronics and Control ISSN: 1693-6930	Vol. 19, Iss. 04, pp.1260-1272, 2021
7.	Mrs .R.Shijitha	Jaundice Detection System Using Machine Learning	Journal of Engineering and Computing Architecture an UGC approved Group II Journal ISSN:1934 -7197	Vol. 11, Iss. 06, pp.149-155, 2021
8.	Mrs .R.Shijitha	Non-Invasive Detection System Of Sinus Using CNN Algorithm	Journal of Engineering and Computing Architecture an UGC approved Group II Journal ISSN:1934 -7197	Vol. 11, Iss. 06, pp.143-148, 2021
9.	Mrs .E.Smily Jeya Jothi	Early Detection of Glaucoma using Machine Learning and Interfaced with Mobile Application	Journal of Engineering and Computing Architecture an UGC approved Group II Journal ISSN:1934 -7197	Vol. 11, Iss. 06, pp.132-142, 2021
10.	Mrs .E.Smily Jeya Jothi	Location Based Laboratory and Medical Supplies Transporting Healthcare Drone	Journal of Engineering and Computing Architecture an UGC approved Group II Journal ISSN:1934 -7197	Vol. 11, Iss. 06, pp.189-197, 2021
11.	Mrs .M.Nila Nandhini	Augmented Reality Prosthetic Arm Controlling System	Journal of Engineering and Computing Architecture an UGC approved Group II Journal ISSN:1934 -7197	Vol. 11, Iss. 06, pp.176-181, 2021
12.	Mrs .M.Nila Nandhini	Early Detection of Parkinson's Disease by Dopamine Level Estimation	Journal of Engineering and Computing Architecture an UGC approved Group II Journal ISSN:1934 -7197	Vol. 11, Iss. 06, pp.122-131, 2021
13.	Mrs .M.Nila Nandhini	Wearable Pain Relief Bands using TENS	Journal of Engineering and Computing Architecture an UGC approved Group II Journal ISSN:1934 -7197	Vol. 11, Iss. 06, pp.258-262, 2021
14.	Ms .S.Pavithraa	Contactless Approach for Investigation of Respiratory Rate	Journal of Engineering and Computing Architecture an UGC approved Group II Journal ISSN:1934 -7197	Vol. 11, Iss. 06, pp.166-175, 2021
15.	Ms .S.Pavithraa	Smart Blind Stick Using Arduino	Journal of Engineering and Computing Architecture an UGC approved Group II Journal ISSN:1934 -7197	Vol. 11, Iss. 06, pp.198-205, 2021

16.	Mrs.Karthika.R	Developing a System for Hypothermia to Sustain Brain Activity	Journal of Engineering and Computing Architecture an UGC approved Group II Journal ISSN:1934 -7197	Vol. 11, Iss. 06, pp.260-263, 2021
17.	Ms.S.Vidhya Mrs.R.Shijitha	Deep Learning based Approach for Efficient Segmentation and Classification using VGG Net 16for Tissue Analysis to predict Colorectal Cancer	Annals of the Romanian Society for Cell Biology ISSN: 1583-6258	Vol. 25, Iss. 05, pp.4002-4013, 2021
18.	Ms.B.Pavihaa Lakshmi Mrs.B.Aruna	UVC Sterilization and AssistiveBOT for Palsy using IOT	Annals of the Romanian Society for Cell Biology ISSN: 1583-6258	Vol. 25, Iss. 05, pp.4014-4025, 2021
19.	Dr.R. Vanithamani Ms.K.V.Archana	Classification of Plaque in Carotid Artery using Intravascular Ultrasound Images (IVUS) by Machine Learning Techniques	Annals of Romanian Society for Cell Biology ISSN: 1583-6258	Vol. 25, Iss. 05, pp.4751-4760, 2021
20.	Ms.K.Gunaprabha Ms.S.Nazeema Begum Ms.S.Vidhyanandhini Mrs.B.Aruna	Human Health Prediction System using Machine Learning	Annals of Romanian Society for Cell Biology ISSN: 1583-6258	Vol. 25, Iss. 04, pp.17224-17231, 2021
21.	Ms.R.Copemica Whels Ms.S.Monisha Ms.P.Pavithra Ms.J.Srinithi Mrs.B.Aruna	Lymphatic Cancer Detection using Machine Learning	Annals of Romanian Society for Cell Biology ISSN: 1583-6258	Vol. 25, Iss. 04, pp.17197-17202, 2021
22.	Dr.R. Vanithamani Ms.K.V.Archana	A Comparison on Speckle Noise Suppression Algorithm for Intravascular Ultrasound (IVUS) Images	Indian Journal of Computer Science and Engineering ISSN: 0976-5166	Vol. 12, Iss. 03, pp.634-640, 2021
23.	Ms.K.Priyadarshini Mrs.A.Mahalakshmi	Web-Based Self Health Analysis System (WBSAS)	Annals of Romanian Society for Cell Biology ISSN: 1583-6258	Vol. 25, Iss. 04, pp.20940-20947, 2021
24.	Ms.S.Mathu Ms.R.Srinithi Ms.U.Swathi Mrs.R.Karthika	Real Time Analysis of Healthy status of Hair using Arduino and Machine Learning	Journal of Engineering and Computing Architecture an UGC approved Group II Journal ISSN:1934 -7197	Vol. 11, Iss. 06, pp.271-275, 2021
25.	Ms.D.Pavithra Dr. R. Vanithamani Ms.E.Karoline Kersin	Diagnosis of Age Related Macular Degeneration by Curve Fitting RPE Layer	IOP Conference Series: Materials Science and Engineering ISSN: 1757-899X	Vol.1085, pp.22-27, 2020
26.	Mrs.A.Mahalakshmi Dr. Judith Justin	Electrocardiograms based Electrodes, Advantages, Disadvantages, Challenges, and Limitations: A Methodological Review	Journal of Advanced Research in Dynamical and Control Systems (JARDCS) ISSN: 1943-023X	Vol. 12, Iss. 7, pp.409-418, 2020
27.	Ms.S. Pavithra Dr.R.Vanithamani Dr. Judith Justin	Computer aided Breast Cancer Detection using Ultrasound Images	Materials Today: Proceedings ISSN: 2214-7853	Vol.33, Part 7, pp.4802-4807, 2020
28.	Ms.M. Kanishka Ms.R. K. Shivangi Ms.S. Pavithra	3D Printing of Bone and Cartilage Scaffolds with the help of PLA Material	International Journal for Science and Advance Research in Technology (IJSART) ISSN: 2395-1052	Vol.6, Iss.10, 2020
29.	Ms.Shilpa Saravanan Ms.B. Heshma Ms.A.V.Ashma Shanofer Dr. R. Vanithamani	Skin Cancer Detection using Dermoscope Images	Materials Today: Proceedings ISSN: 2214-7853	Vol.33, Part 7, pp. 4823-4827, 2020
30.	Ms.K. S. Bharathi Ms.G. Ramya Ms.D. Saravanapriya Ms.D. Pavithra Dr. R. Vanithamani	Detection of Knee Osteoarthritis using SVM and CNN Classifiers	Kala Sarovar ISSN: 0975-4520	Vol.23, Iss.2, 2020
31.	Mrs.K.V. Archana Dr. R. Vanithamani	Segmentation of Intima-Media Thickness in Intravascular Ultrasound (IVUS) Images for Detection of Atherosclerosis	Sambodhi ISSN: 2249-6661	Vol.43, Iss.2, 2020

32.	Ms.M. Amritha Ms.J. Gajapriya Ms.G. Gayathri Mrs.B. Aruna	Hand Glove using ProstheticHand	International Journal of Scientific Research in Engineering and Management(IJSREM) ISSN: 0976-5506	Vol.4, Iss.4, pp.1-3, 2020
33.	Ms.S. ShareenTaj Ms.L. Sherine Annie Ms.R. Vivithra Ms.S. Keerthana	Patient Drip Monitoring Systemusing Arduino	International Journal of Scientific Research in Engineering and Management(IJSREM) ISSN: 2582-3930	Vol.4, Iss.4,2020
34.	Ms.D. Pavithra Ms.P. Chandni Ms.Raja Rajes wari Ms.D. Padmini Priya Dr. R. Vanithamani	Cardiac Tele-care	Indian Journal of Public Health Research & Development. ISSN: 2582-3930	Vol. 10, Iss.7,pp.1326-1328,2019
35.	Ms.R. Susithra Mrs A. Mahalakshmi Dr. Judith Justin	A Robust Adaptive Multi-ScaleSuper Pixels Segmentation in SEM Image	International Journal of Recent Technology and Engineering ISSN: 2277-3878	Vol.7, Iss.5,pp.161-166, 2019
36.	Ms.R. Susithra Dr. Judith Justin	Design of Real Time Health Monitoring Systemusing SurfaceMount Device	Journal of Applied Sciencesand Computations ISSN: 1076-5131	Vol.6, Iss. 3, pp.2621- 2624, 2019
37.	Ms.M Rajes wari Ms.K.S.Meena Ms.M.S.Sheethal Ms.Sreetha Dr.C.Sivamani	Performability of VBRCP inVANET using UGFT	International Journal of Innovative Technology and Exploring Engineering ISSN: 2278-3075	Vol.8, Iss.3, pp.42-46,2019
38.	Ms.K.C.Lavanya Linnet Ms.Tomy Ann Rija Paul Dr. C. Sivamani	Two-Level Text Summarization with Sentiment Analysis for Multi-Document summarization	International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878	Vol.7, Iss.5,pp.103-107, 2019
39.	Ms.N. H. Deepthi Ms.S. BasavarajSharma Mrs.J. Revathi Ms.R. H. Ramani Ms.R. B. Nagabhushana	Rapid Visualization of Fingerprints on various surfaces using ZnO Superstructures prepared via Simple Combustion Route	Journal of Science Advanced Materials and Devices ISSN: 2468-2179	Vol.3, pp.18-28,2018
40.	Ms.H. Suresh Ms.R. B. Nagabhushana Ms.S. Basavaraj Ms.G.P. Dharshan Ms.B. Dharuka Prasad Ms.D. Kavishree Ms.S. C. Sharma Dr. R. Vanithamani	Sio2@LaOF:Eu3+ core shell Functional Nano-materials for Sensitive Visualization of LatentFingerprints and WLED Applications	Journal of Colloid and Interface Science ISSN: 0021-9797	Vol.518, pp. 200-215, 2018
41.	Dr. M. Rajes wariDr. C. Sivamani	Survey on Data Dissemination Process using Routing Protocolsin MANET and VANET	Journal of Advanced Research in Dynamical and Control Systems ISSN: 1943-023X	Vol.15, pp.214-221, 2017
42.	Ms.K. Gokila Ms.Ila Vennila	Heuristic-based link Quality Preservation for Reliable Data Delivery	International Journal of Communication SystemsISSN: 1099-1131	Vol.30, e3304,2017
43.	Ms.R.Renee Christina Dr. Judith Justin Ms. Minda Daniel	Automated POLYP detection incolon capsule endoscopy using SVM classifiers	International Journal ofControl Theory and Applications (IJCTA) ISSN: 0974-5572	Vol.8, Iss.11, pp.1887-1892,2015
44.	Dr. R. Vanithamani Ms.R. Dhivya	Tumor Detection in BreastUltrasound images	IJCTA, Intemational Journalof Control Theory and Applications ISSN: 0974-5572	Vol.8, Iss.2, pp.1881-1885, 2015
45.	Ms. K. Divyadarshini Dr. R. Vanithamani	Segmentation of MammographicMasses using Gray Level Thresholding	International Journal of Tomography and Simulation ISSN: 2319-3336	Vol.28, Iss.4, pp.65-75, 2015