

VEL TECH MULTI TECH Dr.RANGARAJAN & Dr.SAKUNTHALA ENGINEERING COLLEGE

(An Autonomous Institution)

Department of Electronics and Communication Engineering

Academic Year - 2021-2022

S.NO	AUTHORS OF THE PAPER	TITLE OF THE PAPER	NAME OF THE JOURNAL/CONFERENCE	VOL. NO./DOI	YEAR OF PUBLICATION	CITED IN SCOPUS/S	ISSN	PUBLISHER
1	J. Daphney Joann, V. Rajamani	Maximizing Capacity Usage and Selection of Optimal Antennas to Improve Spectrum Efficiency in Massive MIMO Technology	Wireless Personal Communications	https://doi.org/10.1007/s11277-021-09130-7	2021 Sep	SCI	0929-6212	Springer Nature
2	J. Daphney Joann, V. Rajamani	Performance Analysis of MIMO and Massive MIMO with Rayleigh, Rician and Nakagami Channels	Artificial Intelligence and Evolutionary Computations in Engineering Systems	221-233	2021	Book Chapter	978-981-16-2673-9	Springer
3	Deepthi Joseph, A.Kathikyan, Kuppusamy.P.G, Prabhu.V	Investigation on hybrid wavelength mode - orthogonal frequency division multiplexing scheme based free space optical transmission system undervarying atmospheric conditions	Optical and Quantum Electronics	Article number: 64	2022 Jan	SCI	0306-8919	Springer
4	Rakesh Kumar Mahendran , Prabhu V. , Parthasarathy V. , Usharani Thirunavukkarasu , Mary Judith A. , Jagadeesan S.	An energy-efficient centralized dynamic time scheduling for internet of healthcare things	Science Direct , Measurements	Volume 186	2021 sep	SCI	0263-2241	Elsevier
5	Rakesh Kumar Mahendran , Prabhu V. , Parthasarathy V. , Mary Judith A.	Deep Learning based Adaptive recurrent Neural Network for detection of Myocardial infarction	Journal of Medical imaging and health informatics	Vol. 11, 3044–3053	2021	SCI	2156-7018	American Scientific Publishers
6	Sivasaravanababu, Prabhu V , Parthasarathy V Rakesh Kumar Mahendran.	An efficient epileptic seizure detection based on tunable Q-wavelet transform and DCVAE-stacked Bi-LSTM model using electroencephalogram	The European Physical Journal	https://doi.org/10.1140/epjs/s11734-021-00380-x	2021 Dec	SCI	1951-6355	Springer
7	Suganthy, M., Joy, S.I. & Anandan, P.	Detection of fetal arrhythmia by adaptive single channel electrocardiogram extraction.	Physical and Engineering Sciences in Medicine	Vol 44	2021 Jun	SCI	2662-4737	Springer
8	Mohammed Abbas .A	Non- Invasive Haemoglobin measurement from anterior ciliary Arteries of eye through smartphone and Borescope camera	Computer systems science and Engineering	Accepted for publishing	2022	SCI	0267-6192	Tech science press

9	N.Prabhakaran, S.Anandha Prasad, M.Kamali, C.Sabarinathan, I.Chandra, V.Prabhu	Predictive analysis of covid - 19 symptoms with CXR imaging and optimize the x-ray imaging using segmentation thresholding algorithm - An evolutionary approach for bio-medical diagnosis	International Journal of Pharmacology	DOI: 10.3923/ijp.2022.644.656	2022	SCI (EXP)	1812-5700	Asian Network for Scientific Information
10	Kakarla Chaitanya, Prasanth. M , Saisrinivasareddy.v, Senthilkumar.V	Securing of AES based on secure hash algorithm for image steganography	International Journal of health sciences	DOI: 10.53730/ijhs.v6nS2.5107	Mar-22	scopus	1658-3639	Norwegian register for scientific Journals, series and publishers
11	S.Prabhukumar, S.Harikrishnan, S.Ramsurat kumar, T.Naveen kumar	Coronary disease prediction by using upgraded deep learning CNN	International Journal of health sciences	DOI:10.53730/ijhs.v6nS2.6387	2022	scopus	2550-6978	Norwegian register for scientific Journals, series and publishers
12	Seenuvasamurthi , S.Ashok	Brain image comp[ression and reconstruction system using deep learning	International journal of medical Engineering and Informatics	Accepted for publishing	2022	scopus	1755-0661	Inderscience
13	S.Leopauline, Kamesh.M	Detection of Parkinson disease using CNN	International journal of medical Engineering and Informatics	Accepted for publishing	2022	scopus	1755-0661	Inderscience
14	S.Kavitha	A novel method to detect and classify Alzheimer using Naïve Bayes classification Algorithm	International journal of medical Engineering and Informatics	Accepted for publishing	2022	scopus	1755-0661	Inderscience
15	Kavitha .S , Selvaranjini, Janani , Pavithra.m	Early prediction of paddy disease to enhance efficiency in irrigation using deep learning	International Journal of health sciences	Accepted for publishing	2022	scopus	1658-3639	Norwegian register for scientific Journals, series and publishers
16	Vishnu vardhan Rao.G, V. Prabhu, Bibin .M.R, Nithya .P	Design and implementation of kogge stone supported reversible carry propagate adder for DSP applications	J. of Internet Protocol Technol	Accepted for publishing	2022	scopus	1743-8217	Inderscience
17	D.Ruban Thomas	Trimester Analysis for detecting abnormalities in fetal growth based on Femur length usnig LAB VIEW	Int. Journal of Medical Engineering and Informatics	Accepted for publishing	2022	scopus	2550-6978	Inderscience
18	P.S.Arthy	A simulation modelling approach for the multi agent system in smart grid infrastructure	Journal of interconnection networks	Accepted for publishing	2022	scopus	0219-2659	World scientific publishing company

19	Kumutha. D	Interpretation of machine learning technique for diagnosis and identification of COVID 19	Journal of interconnection networks	Accepted for publishing	2022	scopus	0219-2659	World scientific publishing company
20	Archana K S, Siva prasad reddy , Arul stephen, Vijayalakshmi , Ebenezer Abhishek B	Computer vision for weed identification in corn plants using modified support vector machine	Handbook of research on technologies and systems for E - collaboration during global crises	doi: 10.4018/978-1-9640-1	2022	scopus - book chapter	doi: 10.4018/978-1-9640-1	IGI global publisher
21	S.B.Prakalya T.Kumanan V.Prabhu	Power Efficient Clock Pulsed D Flip Flop Using Transmission Gate	Turkish Journal of Computer and Mathematics Education	https://doi.org/10.17762/turcomat.v12i11.6082	2021 May	Google Scholar	1309-4653	Science Research Society
22	I.Chandra., N.Prabhakaran , V.Prabhu , S.Harshavardhan, N.Duraichi	Non-invasive dry eye detection using fuzzy c-means clustering algorithm	Biomedical Research	Special issue: S1-S5	2021 May	Google Scholar	0970-938X	Allied Academies
23	A.Mohammed Abbas	Measurement of Haemoglobin using digital photographs of Mucous membrane of Eye	Natural volatile and essentials oils	8(5):10560-10565	2021 Dec	Google Scholar	2148-9637	Aliva Global Research and Development
24	V.Senthil kumar	Extracting the Core Point Using Local Ridge Orientation Method in Fingerprint Images	International Research Journal of Education and Technology	Volume 4, Issue 1	2022 Jan	Google Scholar	2581-7795	IRJEdT
25	S.Gopala Krishnan, Ebenezer Abhishek, A.Vijayalakshmi	Skin disease detection and classification using artificial neural network	International journal of innovative research in science and engineering	Volume 8, Issue 2	2022	Google Scholar	2454-9665	Zessay
26	Kavitha.A , Arthy. P.S	Review and analysis on various methods for image deblurring	AIP conference proceedings	Ready for production	2022	scopus	0094-243X	AIP
27	Vijayalakshmi , Ebenezer Abhishek B	A smart system to detect the -squamous disease (ESD) using auto encoders	IEEE xplore	Accepted for publishing	2022	scopus	Accepted for publishing	IEEE xplore
28	R.Kalpana	The recent advancements of radio frequency machine learning (RFML) approaches in enhancing wireless security using multi regression analysis approach	IEEE xplore	Accepted for publishing	2022	scopus	Accepted for publishing	IEEE xplore
29	Dinesh Anton raja P , Arunkumar K , A.Selvarani , P.Nithya	Enhancement in Quality of services for an IoT based wireless sensor networks	IEEE xplore	Accepted for publishing	2022	scopus	Accepted for publishing	IEEE xplore
30	E.Anna Dev, V.Pushpa, P.Arivazhai, D.Ruban Thomas	A Novel frame work on channel estimation for massive MIMO	IEEE xplore	Accepted for publishing	2022	scopus	Accepted for publishing	IEEE xplore
31	M.Suganthy	DenseNet-121 Architecture for Plant leaf Disease Classification	AIP conference proceedings	Accepted for publishing	2022	scopus	Accepted for publishing	AIP

32	M.Suganthy	Transmission of Biometric Feature Using Facial Features Securely For Long Distance Biometric Recognition System	IEEE xplore	Accepted for publishing	2022	scopus	Accepted for publishing	IEEE xplore
33	M.Suganthy	High Linear Low Voltage CMOS Power Amplifier for 2.4 GHz Applications	International Journal of Electronics	Accepted for publishing	2022	scopus	Accepted for publishing	Taylor and Francis group
34	M.Suganthy	GPS-based real-time dynamic traffic management system	Conference	Accepted for publishing	2022	scopus	Accepted for publishing	

Academic Year - 2020-2021

S.NO	AUTHORS OF THE PAPER	TITLE OF THE PAPER	NAME OF THE JOURNAL/CONFERENCE	VOL. NO./DOI	YEAR OF PUBLICATION	CITED IN SCOPUS/S	ISSN	PUBLISHER
1	A. Arulmary, V. Rajamani, T. Kav	Study of uniformly doped nano scale single-walled CNTFET under dark and illuminated conditions	Microelectronics Journal	DOI:10.1016/j.mejo.2020.10488	2020 oct	SCI	0026-2692	Elsevier
2	S Manjula,M. Suganthy	Performance analysis of iris biometric system using GKPCA and SVM	International Journal of Information Technology and Management	Vol 20, No 1-2	2021 Mar	Scopus	1461-4111	Inderscience Publishers
3	S Manjula,M. Suganthy	Design of 0.13 μ m Low Power CMOS Subharmonic Mixer for DCR Applications	International Journal of Electronics letters, 2020	https://doi.org/10.1080/21681724.2020.1793396	2020 July	SCI	2168-1732	taylor and francis online
4	Anupriya Elumalai, P. Baby Maruthi, Neha Gautam, S. Priyadharshini & M. Suganthy	Optimal prediction of attacks and arterial stiffness effects on heart disease by hybrid machine learning algorithm	Journal of Ambient Intelligence and Humanized Computing, 2021 (Article in Press)	https://doi.org/10.1007/s12652-020-02706-4	2021 Jan	SCI	1868-5137	Springer
5	S.B.Prakalya .Dr.T.Kumanan , Dr.V.Prabhu	Efficient Power Arrangement in Multiband Cognitive Radio System	Turkish Journal of Computer and Mathematics Education	Vol.12 No. 11(2021),4378-4388	2021 May	Google Scholar	1309-4653	Science Research Society
6	I.Chandra., N.Prabhakaran , V.Prabhu , S.Harshavardhan, N.Duraichi	Non-invasive dry eye detection using fuzzy c-means clustering algorithm	Biomedical Research	Special issue: S1-S5	2021 May	Google Scholar other index	0970-938X	

7	A.Karthikeyan	Reduction of return loss in microstrip patch antenna using EBG structure for vehicular wireless communication	Journal of Green Engineering	Vol 10 , Issue 12, Pg no. 12917-12932	2020	scopus	1904-4720	River publisher
8	AshokShanmugamaS.Rukmani Devi	A Fuzzy Model for Noise Estimation in Magnetic Resonance Images	IRBM	https://doi.org/10.1016/j.irbm.2019.11.005	2020 oct	SCI	1876-0988	Elsevier

Academic Year - 2019-2020

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1	M. Balasubramanian*, V. Rajamani	Energy harvesting in cognitive networks using feasible channel selection assignment	Recent Advances in Computer Science and Communications	Volume 13 , Part 2	2019	scopus	2666-2558	Bentham
2	M. Balasubramanian*, V. Rajamani	Enhancing Spectrum Efficiency and Energy Harvesting Selection for Cognitive Using a Hybrid Technique	Lecture Notes in Networks and Systems	DOI:10.1007/978-3-030-33846-6_59	2019 Nov	Book Chapter	978-3-030-33846-6	Springer
3	E. Dhiravidachelvi; V. Rajamani; C.T. Manimegalai	GLCM-based detection and classification of microaneurysm in diabetic retinopathy fundus images	International Journal of Advanced Intelligence Paradigms	Vol.14 No.1/2, pp.55 - 69	2019 oct	scopus	17550386	Inderscience
4	C.Callins Christiyana, J.Merlin Sheeba Rani, V.Rajamani	Relative retrieval efficiency analysis of local binary pattern variants in color images	International Journal of Scientific and Technology Research	VOLUME 8, ISSUE 08, AUGUST 2019	2019 Aug	scopus	2277-8616	
5	S. SakthivelV. PrabhuR. Punidha	MRI-Based Medical Image Enhancement Technique Using Particle Swarm Optimization	Lecture Notes in Electrical Engineering	DOI:10.1007/978-981-15-2256-7_67	2020 Mar	Book Chapter	1876-1100	Springer
6	A.Karthikeyan , Pavithra,Anu	Detection and classification of 2D and 3D hyper spectral image using enhanced Harris corner detector	Scalable Computing	DOI:10.12694/scpe.v21i1.1625	2020 Mar		18951767	Thompson Reuters Emerging Sources Citation Index

7	A.Karthikeyan , Kupusamy	Secured identity based cryptosystem approach for intelligent routing protocol in VANET	Scalable Computing	DOI https://doi.org/10.12694/scpe.v21i1.1608	2020 Mar		18951767	Thompson Reuters Emerging Sources Citation Index
8	AshokShanmugamaS. Rukmani Devi	Objective Edge Similarity Metric for denoising applications in MR images	Biocybernetics and Biomedical Engineering	https://doi.org/10.1016/j.bbe.2020.01.012	2020 March	SCI	0208-5216	Elsevier
9	V.Prabhu, D.Ruban Thomas, S.Ashok	Printed text to voice communication for vision defect people using artificial intelligence	International Journal of Scientific and Technology Research	VOLUME 8, ISSUE 11, NOVEMBER 2019 ISSN 2277-8616	2019 Nov	scopus	2277-8616	
10	D RubanThomas, V Prabhu, Bibin M R	Microcontroller based book management system using near field communication and fingerprint with server technology	International Journal of Engineering and Advanced Technology	DOI: 10.35940/ijeat.F8984.088619	2019 Aug	scopus	2249 – 8958	
11	V. Prabhu, D. Ruban Thomas,V. Senthil Kumar	Smart glass for visual impaired people	International Journal of Innovative Technology and Exploring Engineering	Volume-8 Issue-12,	2019 Oct	scopus	2278-3075	Blue Eyes Intelligence Engineering & Sciences Publication
12	M. Kavitha, M. Suganthy, R. Srinivasan	Intelligent learning system using data mining - IIsdm	International Journal of Innovative technology and exploring engineering	DOI: 10.35940/ijitee.I7705.078919	2019 Jul	scopus	2278-3075	Blue Eyes Intelligence Engineering & Sciences Publication
13	M. Suganthy ,A.Karthikeyan	Investigation of turbo decoding techniques based on lottery arbiter in 3D network on chip	Microprocessors and Microsystems	DOI:10.1016/j.micpro.2019.102885	2019 Nov	SCI	0141-9331	Elsevier
14	A. Kavitha, Ch. Sekhararao Kaitepalli, J. N. Swaminathan & Shaik Ahemedali	16-layer PCB channel design with minimum crosstalk and optimization of VIA and TDR analysis	Journal of Electronic testing(Springer)	https://doi.org/10.1007/s10836-019-05814-y	2019 Jul	web of science	1573-0727	Springer

15	K. Kalaiarasan A. Kavitha	Multi band antenna with indoor application using soft computation method	Advances in Intelligent Systems and Computing	DOI:10.1007/978-3-030-30465-2_6	2019 oct	Book Chapter	2194-5357/ 978-3-030-30464-5	Springer
16	J. N. Swaminathan Email author A. Kavitha R. Navaneethakrishnan S. Umamaheswari Ramalatha Marimuthu	A novel linear collaborative discriminant regression classification and norm based algorithm for on-chip realization of uncontrolled face recognition	Advances in Intelligent Systems and Computing	DOI:10.1007/978-3-030-30465-2_46	2019 oct	Book Chapter	2194-5357/ 978-3-030-30464-5	Springer
17	Arun Raghesh J T, Vishnuvardhan Rao G, Saravanan K	Acoustic source localization and navigation robot	International Journal of Engineering and Advanced Technology	DOI:10.35940/ijeat.f8986.088619	2019 Aug	scopus	2249 – 8958	Blue Eyes Intelligence Engineering & Sciences Publication
18	G. Vishnuvardhan Rao, A. Mohammed Abbas, S. Palanivel	Design of Multi Modulation Scheme for Software Defined Radio using FPGA	International Journal of Engineering and Advanced Technology	DOI: 10.35940/ijeat.A1506.129219	2019 Dec	scopus	2249 – 8958	Blue Eyes Intelligence Engineering & Sciences Publication
19	S. Leopauline, R. Kalpana, P. Sharmila	Automatic Tuberculosis Screening using Chest Radiographs	International Journal of Engineering and Advanced Technology	DOI: 10.35940/ijeat.A1507.129219	2019 Dec	scopus	2249 – 8958	Blue Eyes Intelligence Engineering & Sciences Publication
20	Nithya.P, Arthy.P.S, Prabhu Kumar.S	Cell-Free DNA Pattern Identification and its Classification using Convolution Neural Network	International Journal of Innovative Technology and Exploring Engineering	DOI:10.35940/ijeat.L3702.119119	2019 Nov	scopus	2278-3075	Blue Eyes Intelligence Engineering & Sciences Publication

