Publications 2020-21

❖ **Signal processing:**

S.No.	Publication	Authors	International Journal, ISSN,DOI	SCI/WoS/Scopus	Publication Month , Year
1	Intelligent edge analytics and coordinated control for autonomous vehicles	**Dr. S. Sathees Kumaran**	International Journal of Intelligent Unmanned Systems,	WoS	January, 2021
2	Singular value decomposition and saliency – map based image fusion for visible and infrared images	C. Rajakumar, **Dr. S. Sathees Kumaran**	International Journal of Image and Data Fusion, DOI: 10.1080/19479832.2020.1864786	SCI	January,2021
3	Moving object detection and classification using background subtraction algorithm and mixture of Gaussian algorithm.	**Dr.D. Haripriya**, Shaik.zeenath Aman	International Journal of Advanced Science and Technology Vol. 29, No. 7, pp. 2979-298	Scopus	November, 2020
4	Integrated approach for brain classification using DWT with MGLCM and autoencoder based Neural Network	**Dr.M.Santhosh, Mrs. G. M. Anitha Priyadarshini**	Solid State Technology, Volume: 63 Issue: 5	Scopus	December, 2020
5	Dual steganography using lsb substitution and dct-dwt method	**A.Madhusudhan, K.Saikrishna**	Solid State Technology Volume: 63 Issue: 6	Scopus	January,2021
6	Deep Learning Based Hybrid	**Mr. V Vinay Kumar, Sai**	Solid State Technology,	Scopus	December, 2020

		Krishna	Volume: 63 Issue:6		
	Clustering Technique Using Brain Tumor Segmentation				
7	Image to Text Conversion Using OCR and Image Processing	**V. Vinay Kumar1**, K.V. Ranga Rao , V. Sridhar , L. Madhuri , S. Sri Harshitha, M. Spoorthi Bharthi, V. Harish	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 8, Issue 9	Scopus	September-2020
8	Classification of breast cancer images using completed local ternary pattern and support vector machine	**M.Kusuma Sri**, E. Gomath	International Journal of Bioinformatics Research and Applications, Vol. x, No. x, xxxx	Scopus	December, 2020
9	Multiclass skin lesion classification using image augmentation technique and transfer learning models	**Naga Swetha R**, Vimal K. Shrivastava and K. Parvath	The current issue and full text archive of this journal is available on Emerald Insight at: https://www.emerald.com/insight/2049-6427.htm	Scopus	May, 2021

❖ **Communication Systems**

S.No.	Publication	Authors	International Journal, ISSN,DOI	SCI/WoS/Scopus	Publication Month , Year
1	Proposed Prediction Framework for Improving the Accuracy of Path loss Models of WiMAX Network	**Dr. Chaudhuri Manoj Kumar Swain,** Susmita Das	Wireless Personal Communication, Springer, 117:1079–1101 https://doi.org/10.1007/s11277-020-07912-z	SCI	November, 2020
2	Survey on Peak to Average Power Ratio to Reduce in 5G	**Akku Madhusudhan** , Prof. Sudhir Kumar Sharma	Solid State Technology, Volume: 63 Issue: 4	Scopus	March,2021

	Technology				

❖ **VLSI Design**

S.No.	Publication	Authors	International Journal, ISSN,DOI	SCI/WoS/Scopus	Publication Month , Year
1	Model Based Design and Implemenation of Coarse Acquisition(C/A) Code of IRNS Signal on FPGA	**Dr. E Srinivas** , M.Mounika	International Journal of Future Generation Communication and Networking, Vol. 14, No. 1, pp. 705–713, ISSN: 2233-7857IJFGCN	WoS	April,2021
2	A low power reconfigurable ADC for bioimpedance monitroing system	**Dr. P.Ramakrishna** , K. Hari Kishore	International Journal of Speech Technology (Springer), https://doi.org/10.1007/s10772-021-09813-3	WoS	March,2021
3	Low-power CMOS circuit design of audio frequency shift keying for emergency alert system	**D. Haripriya**, R. Vasavi	Int. J. Vehicle Information and Communication Systems, Vol. 6, No. 1	Scopus	January, 2021
4	Design of large bandwidth voltage follower CMOS 45 nm Technology	**G. M. Anitha Priyadarshini** ,**Dr. M. Santhosh**	Solid State Technology, Volume: 63 Issue: 6	Scopus	December, 2020
5	Investigation of Low Power Consumption Techniques in a Design of 8T Symmetrical SRAM Cell	**E. Srinivas** , M. Venkat sai , M. Sandhya	Test Engineering &Management, ISSN: 0193-4120 Page No. 13842 - 13852	Scopus	June,2020
6	Design and Analysis Low Power 8X8 SRAM Array using MT-CMOS Technique and	**E. Srinivas , T.Annamani**	Journal of Interdisciplinary Cycle Research, ISSN NO: 0022-1945	Scopus	October,2020

	VT-CMOS Technique				
7	A low power design of asynchronous SARADC using DTMOS technique	**P. Ramakrishna** , R. Naveen Kumar , K. Hari Kishore , Mukil Alagirisamy	International Journal of Advanced Trends in Computer Science and Engineering, ISSN 2278-3091, Volume 9, No.5	Scopus	October,20 20
8	Design of BTI sensor-based improved SRAM for mobile computing applications	**Kumar Neeraj,** Jitendra Kumar Das	International Journal of Intelligent Systems Technologies and Applications, Vol. 19, No. 4	Scopus	December, 2020
9	Design and Testing of 16 bit Carry Save Adder using Reconfigurable LFSR	**Kiran Kumar Mandrumaka** , M. Mounika , Fazal Noorbasha	International Journal of Advanced Trends in Computer Science and Engineering, Volume 9, No.5, ISSN 2278-3091	Scopus	October,20 20
10	A Low Power and High Resolution 2nd Order DT Sigma-Delta Modulator for Data Converters	**Dr. E Srinivas, J.Aparna Priya**	Journal of Information and Computational Science, Volume 10 Issue 10 ,SSN: 1548-7741	UGC	October,20 20
11	Modeling of Inverters using MoS2 based transistors	**M.MuraliKrishna**, Prasantha R. Mudimela	Taylor and Francis (ICICS)	Conference	May,2021
12	Design of Low Power Dynamic Type Latch comparator using 18nm FinFET Technology for SAR ADC	**B. Hemalatha** ,Ajay Kumar Dadoria	Advances in Engineering Design, Lecture Notes in Mechanical Engineering, https://doi.org/10.1007/978-981-33-4684-0_6	Springer Lecture Note	Apri,2021

❖ **Embedded IOT**

S.No.	Publication	Authors	International Journal, ISSN,DOI	SCI/WoS/Scopus	Publication Month , Year
1	Precision agriculture using lora	**D. Narendar Singh** , G.Shivani , M. Neelanjana , T. Pragna Rebecca , B. Shanthi Priya	International Journal of Modern Agriculture, Volume 9, No.4, ISSN: 2305 - 7246	WoS	December, 2020
2	IOT Enabled Patient Health Monitoring and Assistant System	**D.Narendar Singh, Mrs. B.Pavitra**	European Journal of Molecular & Clinical Medicine, ISSN 2515-8260 Volume 7, Issue 11	ESCI	December, 2020
3	Water quality measurement using IOT	**Anil kumar G,. D.Narendar Singh.Ashwini G**	Palarch's Journal of Archaeology of Egypt/Egyptology, ISSN 1567-214x	Scopus	December, 2020
4	Design And Development Of Air Cleanse System For Urban Areas	**B.Pavitra , D.Narendar Singh , R. Nagaswetha**	Palarch's Journal Of Archaeology Of Egypt/Egyptology, ISSN 1567- 214x	Scopus	November, 2020
5	Smart Security System For Oil And Fuel Tankers	**Naga Swetha R ,** D.**Narendhar Singh , B. Pavitra**	Palarch's Journal of Archaeology of Egypt/Egyptology, ISSN 1567-214x	Scopus	November, 2020
6	IOT based data streaming in distributed hybrid cloud using sparkflow	M P Rajakumar, S.Ganesan, Dr. N. Sankar Ram, Dr. D. Hemanand, **Dr Rajesh Thumma**	European Journal of Molecular & Clinical Medicine, ISSN 2515-8260 Volume 07, Issue 02,	Scopus	December, 2020
7	IOT Based Medication Reminder Using Node MCU	**V. Vinay Kumar** , Dr. K. V. Ranga Rao , V. Sridhar	International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 8, Issue 8	Scopus	August,2020
8	Smart stick to detect obstacles for visually	K.Sasikala , **M.Vijaya lakshmi , T.Annamani**	International journal of advanced science and technology	Scopus	June,2020

S.No.	Publication	Authors	International Journal, ISSN,DOI	SCI/WoS/Scopus	Publication Month, Year
	challenged people				
9	Voice Controlled Biped Walking Robot for Industrial Applications	**B. Pavitra,Dr. .Narendarsingh**, Mohamamd Farukh Hashmi	Innovations in the Industrial Internet of Things (IIoT) and Smart Factory	IGI book chapter	January,2021

❖ **Machine Learning**

S.No.	Publication	Authors	International Journal, ISSN,DOI	SCI/WoS/Scopus	Publication Month, Year
1	Data Coloring in Trusted and Ambiguous Cloud Computing using Sheltered Possessions Machine Learning Technique	Ellappan Venugopal, **Dr Rajesh Thumma**, Dr. R. Sreeparimala, Dr.Anusha K, Dr. T. Thulasimani	European Journal of Molecular & Clinical Medicine, ISSN 2515-8260 Volume 07, Issue 02	Scopus	December, 2020
2	Smart airport management and flight service delay prediction using linear regression technique	**D. Haripriya**, S. Ramyasree	Int. J. Intelligent Systems Technologies and Applications, Vol. 19, No. 4,	Scopus	November, 2020