



VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

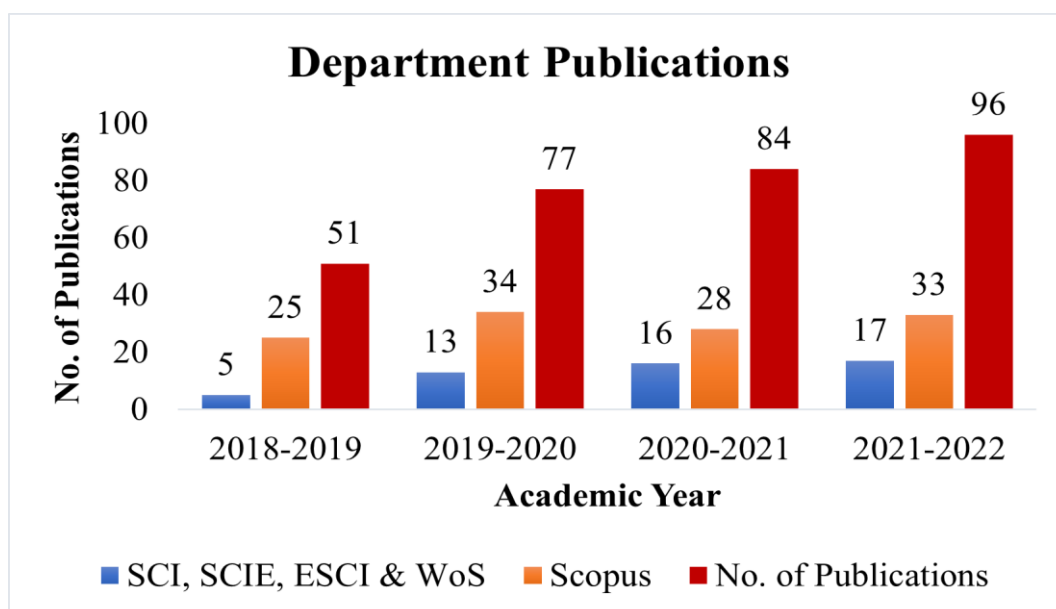
An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade
NBA Accreditation for B.Tech. CE,EEE,ME,ECE,CSE,EIE,IT,AME, M.Tech. STRE, PE, AMS, SWE Programmes
Approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF (2022) 113 Rank in Engineering Category
College with Potential for Excellence by UGC, JNTUH-Recognized Research Centres:CE,EEE,ME,ECE,CSE
Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O.), Hyderabad – 500 090, TS, India.
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Department of Electronics and Communication Engineering

Department Publications Summary Sheet

Academic Year / Description	2018-2019	2019-2020	2020-2021	2021-2022	Total
SCI, SCIE, ESCI & WoS Indexed Publications	05	13	16	17	51
Scopus Indexed Publications	25	34	28	33	120
UGC CARE & Google Scholar Indexed publications	21	30	40	46	137
Books/Book Chapters	05	08	14	08	35
Total Publications	51	77	84	96	308
Citations	284	298	657	491	1730



Prepared by
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Verified by
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Faculty Publications in the Academic Year 2021-2022

S. No.	Name of author/s	Journal/Conference/Book Chapter	Title of the paper	Name of the Journal/Conference	National/International	Year of Publication	Vol. no., Issue no., Pg. no., ISBN/ISSN Number	Indexing	DOI of paper
1	Mohebbanaaz, L. V. Rajani Kumari & Y. Padma Sai	Journal	Cognitive assistant DeepNet model for detection of cardiac arrhythmia	Biomedical Signal Processing and Control	International	Jul-21	Volume 71, ISSN: 1746-8094	SCI (Q1)	https://doi.org/10.1016/j.bspc.2021.103221
2	Srinivasa Rao Patri & L. Nithyanandan	Journal	Network throughput optimization for grouping based NB-CR-IoT wireless body area network for healthcare monitoring system	Multimedia Tools and Applications	International	July-2022	https://doi.org/10.1007/s11042-021-11475-x	SCIE (Q1)	https://doi.org/10.1007/s11042-021-11475-x
3	Mohebbanaaz, L. V. Rajani Kumari & Y. Padma Sai	Journal	Classification of ECG beats using optimized decision tree and adaptive boosted optimized decision tree	Signal, Image, and Video Processing	International	Oct-21	vol. 16, pp. 695–703, ISSN 18631711	SCIE (Q2)	https://doi.org/10.1007/s11760-021-02009-x

4	Pradeep Kumar , Abhinav Kumar, Subodh Srivastava and Yarlagadda Padma Sai	Journal	A novel bi-modal extended Huber loss function based refined mask RCNN approach for automatic multi-instance detection and localization of breast cancer	Proc IMechE Part H: J Engineering in Medicine	International	May -22	0954-4119	SCIE (Q2)	DOI: 10.1177/09544119221095416
5	Aytha Ramesh Kumar, and K. Lal Kishore	Journal	FPGA Implementation of 5G NR Primary and Secondary Synchronization	Computers, Materials & Continua	International	18 May 2022	1546-2226	SCIE (Q2)	DOI: 10.32604/cmc.2022.021573
6	Radha Krishna Guntur, Krishnan Ramakrishnan & Mittal Vinay Kumar	Journal	An Automated Classification System Based on Regional Accent	Circuits, Systems, and Signal Processing	International	01-01-2022	0278-081X, VOL. 41, pages.3487–3507	SCIE (Q2)	https://doi.org/10.1007/s00034-021-01948-7
7	Uma Maheshwar Janniekode, Rajendra Prasad Somineni, Osamah Ibrahim Khalaf, Malakeh Muhyiddeen Itani, J. Chinna Babu, and Ghaida Muttashar Abdulsahib	Journal	A Symmetric Novel 8T3R Non-Volatile SRAM Cell for Embedded Applications	Symmetry	International	Apr-22	2073-8994	SCIE (Q2)	https://doi.org/10.3390/sym14040768
8	Ch. Rajakumari, H. K. Kakarla, K. Subbarao	Journal	Estimation of intra pulse modulation parameters of LPI radar under noisy conditions	International Journal of Microwave and Wireless Technologies	International	03-Dec. 2021	1759-0787	SCIE (Q3)	https://doi.org/10.1017/S1759078721001537
9	Naresh Kattakola, Amol Jawale, Pallab Kumar Nath and Shubhankar Majumdar	Journal	Efficient partial product reduction for image processing application using approximate 4:2 compressor	Circuit World	International	Aug.-2021	0305-6120	SCIE (Q3)	https://doi.org/10.1108/CW-09-2020-0220

10	Veeramosu Priyanka Brahmaiah, Yarlagadda Padma Sai, Mahendra N. Giri Prasad	Journal	Accurate and Efficient Differentiation Between Normal and Epileptic Seizure of Eyes Using 13 Layer Convolution Neural Network	Traitement Du Signal	International	August 2021	Vol. 38, No. 4, pp. 1161-1169	SCIE (Q3)	https://doi.org/ 10.18280/ts.38 0427
11	Sunitha Vanamala L. Padma Sree, S. Durga Bhavani	Journal	Dynamic Support Range based Rare Pattern Mining over Data Streams	International Journal of Advanced Computer Science and Applications	International	March-2022	ISSN 2156-5570, Vol. 13, No. 3, 2022	ESCI (Q3)	10.14569/IJA CSA.2022.013 0378
12	N. Sailaja Venkata, L. Padma Sree, N. Mangathayaru	Journal	Statistically Empirical Integrated Approach for Knowledge Refined Text Classification	Journal of Information and Knowledge management	International	Jun-22	Vol. 21, Issue 2	ESCI (Q3)	10.1142/S021 964922250027 7
13	Pradeep Kumar, Subodh Srivastava Y Padma Sai	Journal	Recasted nonlinear complex diffusion method for removal of Rician noise from breast MRI images	The Journal of Defense Modeling and Simulation: Applications, Methodology, Technology	International	October 8, 2021	1548-5129	WoS (Q3)	https://doi.org/ 10.1177/1548 512921105228 4
14	Mohebbanaaz, Y. Padma Sai and L. Rajani kumari	Journal	Detection of Cardiac Arrhythmia using Deep CNN and optimized-SVM,	Indonesian Journal of Electrical Engineering and computer science	International	01-10-2021	, Vol. 24, No. 1, pp. 217~225	Scopus (Q3)	http://doi.org/ 10.11591/ijeec s.v24.i1.pp217 -225
15	Shankaranand Jha, Santosh Kumar Choudhary and Ritesh Kumar	Journal	Mitigating the Challenges of Online Learning and Conduct of Examinations - From Faculty Perspective to Student Satisfaction	Journal of Engineering Education Transformations	International	Jan-22	Volume No 35, Special issue, eISSN 2394-1707	Scopus (Q3)	DOI: 10.1692 0/jeet/2022/v3 5is1/22021
16	L. V. R. Rajani Kumari, A. Lohitha, A. Kavya, N. Tarakeswar	Journal	Automated sleep apnea classification based on statistical and spectral analysis of electrocardiogram signals	Indonesian Journal of Electrical Engineering and Computer Science	International	Mar-22	25024752	Scopus (Q3)	10.11591/ijeec s.v25.i3.pp145 0-1457

17	K. L. V. Ramana Kumari, M. Asha Rani, N. Balaji	Journal	Passive Neighborhood Pattern Sensitive Fault Testing In Memories Using LCA and LFSR	ARNP Journal of Engineering and Applied Sciences	International	May-22	ISSN 1819-6608, VOL. 17, NO. 9,	Scopus (Q3)	http://www.arpnjournals.org/jeas/research_papers/rp_2022/jeas_0522_8929.pdf
18	K. Jyostna, B. N. Bhandari	Journal	Machine Learning Based Spectrum Sensing in Cognitive Vehicular Networks	ARNP Journal of Engineering and Applied Sciences	International	May-22	ISSN 1819-6608, VOL. 17, NO. 9,	Scopus (Q3)	http://www.arpnjournals.org/jeas/research_papers/rp_2022/jeas_0522_8934.pdf
19	K. Sarath Chandra, K. Hari Kishore1	Journal	Design Of Low Power FINFET SRAM and Analysis of Different Leakage Current Reduction Techniques	ARNP Journal of Engineering and Applied Sciences	International	Jun-21	VOL. 16, NO. 11, 819-6608	Scopus (Q3)	http://www.arpnjournals.org/jeas/research_papers/rp_2021/jeas_0621_8597.pdf
20	G. Vijay Kumar, Y. Padma Sai, P. Koppireddi	Journal	A novel single channel EEG based sleep stage classification using SVM	International Journal of Biomedical Engineering and Technology	International	01 Jul 2021	1752-6418	ESCI (Q4)	10.1504/IJBE T.2021.116112
21	Vishnu Vytla, Sravanth Kumar Ramakuri, Anudeep Peddi, Kalyan Srinivas K and N. Nithish Ragav	Journal	Mathematical Models for Predicting Covid-19 Pandemic: A Review	Journal of Physics: Conference Series	International	2021-2022	1797 (2021) 012009	Scopus (Q4)	https://doi.org/10.1088/1742-6596/1797/1/012009
22	NARRA DHANALAKSHMI, Y. MADHAVEE LATHA, AVULA DAMODARAM	Journal	Video Representation Based on Optical Flow for Dynamic Content Analysis	Journal of Theoretical and Applied Information Technology	International	31st October 2021.	Vol.99. No 20 , ISSN: 1992-8645, E-ISSN: 1817-3195	Scopus (Q4)	http://www.jatit.org/volumes/ninety-nine20.php
23	Chokkkula Ganesh and K. S. N. Murthy	Journal	Thermal Stability Analysis of Single-Ended 9T-ST Robust SRAM Cell for Near-Threshold Operation	International Journal of Nanoscience	International	01-Feb 2022	1793-5350, Vol. 20, No. 06,	WoS (Q4)	https://doi.org/10.1142/S0219581X21500575

24	Radha Krishna Guntur, Ramakrishnan Krishnan, and Vinay Kumar Mittal	Book Chapter	Foreign Accent Recognition Using a Combination of Native and Non-native Speech	Intelligent Sustainable Systems, Lecture Notes in Networks and Systems	International	03 January 2022	vol 333, Springer, pp. 713-721	Scopus (Q4)	https://doi.org/10.1007/978-981-16-6309-3_67
25	P. Archana and Subhash Kulkarni	Journal	Video QOE Prediction using Regularization Based Regression with Network QOS Parameters	Indian Journal of Natural Sciences	International	Aug-21	ISSN: 0976 – 0997 Vol.12 / Issue 67	WoS	
26	D. Kanthi Sudha and P. Chandrasekhar Reddy	Journal	Feasibility Analysis of a Microstrip Patch Antenna being used as a Conformal Antenna	Indian Journal of Natural Sciences	International	21-Aug	Vol.12, Issue 67, ISSN: 0976 – 0997	WoS	
27	Kattekola Naresh; Shubhankar Majumdar; Y. Padma Sai; P. Rohith Sai	Conference	Efficient Design of Artificial Neural Networks using Approximate Compressors and Multipliers	2021 IEEE International Symposium on Smart Electronic Systems (iSES)	International	Dec. 2021	978-1-7281-8753-2	Scopus	DOI: 10.1109/iSES52644.2021.00044
28	Anudeep Peddi; Padma Sai Y; Saadia Hassan; Sudhanshu Reddy Polam; Sravanth Kumar R, Kalyana Srinivas K	Conference	Design of Memristor Based Logic Gates for Low Power Wireless Sensors in Biomedical Applications	2021 6th International Conference on Signal Processing, Computing and Control (ISPCC)	International	Oct-21	978-1-6654-2554-4	Scopus	DOI: 10.1109/ISPCC53510.2021.9609455
29	Nikhitha Karennagari; K Yashwanth Reddy; Vijaya Kumar Gurralla; Kalyana Srinivas; Anudeep Peddi	Conference	Infection Segmentation of Leaves Using Deep Learning techniques to enhance crop productivity in smart agriculture	2021 6th International Conference on Signal Processing, Computing and Control (ISPCC)	International	7-9 Oct. 2021	978-1-6654-2554-4	Scopus	10.1109/ISPC C53510.2021.9609379
30	Mohebbanaaz, Y. Padma Sai and L. Rajani kumari	Conference	Removal of Noise from ECG Signals using Residual Generative Adversarial Network	8th IEEE UPCON 2021	International	Nov. 2021	978-1-6654-0962-9	Scopus	DOI: 10.1109/UPCON52273.2021.9667595

31	P. Koganti, K.S. K, A. P, S. K. R, P.Kishore and S.R.Prasad	Conference	Satellite Based Road Tagger GPS Radio- Navigation System with Integration of Artificial Intelligence	4th International Conference on Recent Developments in Control, Automation & Power Engineering (RDCAPE)	International	7-8 Oct. 2021	978-1-6654-1429-6, pp.536-539	Scopus	10.1109/RDCAPE52977.2021.9633626
32	Dr. Medikonda. Christhu. Raju, Mrs. Raja Kumari Chilukuri, Dr. Kakarla Hari Kishore, B. Alekhya, Kaaparapu. Satish Babu	Conference	Imaging using Phase Coded Complimentary Code Pairs	International Conference on Sustainable Computing and Data Communication Systems	International	07-09 April 2022	ISBN: 978-1-6654-7883-0	Scopus	DOI: 10.1109/ICSCDS53736.2022.9761022
33	Dr. P. Srinivasa Rao, Dr. Medikonda. Christhu. Raju, B. Alekhya, Kaaparapu. Satish Babu	Journal	Development Of a Modular L-Band Profiler for Atmospheric Boundary Layer and Precipitation Studies	International Journal of Mechanical Engineering	International	April-May 2022	ISSN: 0974-5823 Vol. 7 (Special Issue 5, April-May 2022)	Scopus	https://kalaharijournals.com/resources/Special_Issue_April_May_81.pdf
34	Radha Krishna Guntur, Ramakrishnan Krishnan, and Vinay Kumar Mittal	Conference	Automatic Classification of Foreign Language Accent	2021 2nd Global Conference for Advancement in Technology (GCAT)	International	1-3 Oct. 2021	978-1-6654-1836-2	Scopus	DOI: 10.1109/GCAT52182.2021.9587650
35	S. Parepalli, A. Ramesh Kumar, S. R. Vumanthala	Conference	Energy Efficient Adiabatic Logic Against Power Analysis Attacks for IOT Applications	4th International Conference on Microelectronics, Signals and Systems	International	18-19 Nov. 2021	978-1-6654-4885-7	Scopus	10.1109/ICMS553060.2021.9673643
36	G. Sahitya, C. Kaushik, K. Rushi Kiran Kumar	Conference	Segmentation of Terrain Classes from Satellite Images using Modified U-Net Algorithm	Proceedings of the Second International Conference on Electronics and Sustainable Communication Systems (ICESC-2021)	International	4-6 Aug. 2021	ISBN: 978-1-6654-2867-5	Scopus	10.1109/ICESC51422.2021.9532785
37	K.L.V RamanaKumari M. Asha Rani N. Balaji SnehaKotha Murali Mohan Kota	Conference	Power Optimization Analysis of Different SRAM Cells Using Transistor Stacking Technique	8 IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON 2021)	International	11-13 Nov. 2021	978-1-6654-0962-9	Scopus	DOI: 10.1109/UPCON52273.2021.9667583

38	L. V. R. Rajani Kumari, P. Shreya, M. Begum, T. P. Krishna, M. Prathibha	Conference	Machine Learning based Diabetes Detection	6th International Conference on Communication and Electronic Systems	International	8-9 July, 2021	978-166543587-1	Scopus	10.1109/ICCE S51350.2021.9489058
39	L. V. R. Rajani Kumari, M. A. Jaffery, K. S. S. Nigma, G. Manaswi, P. Tharanginir	Book Chapter	Deep Learning based Smart Mask for Social Distancing	Lecture notes on Data Engineering and Communication Technologies	International	17 January 2022	23674512	Scopus	10.1007/978-981-16-6605-6_15
40	L. V. R. Rajani Kumari, S. Saher Fathima, G. Sai Praneeth, D. Mamatha, B. Pranitha	Book Chapter	Dynamic Face Recognition System using Histogram of Oriented Gradients and Deep Neural Network	Lecture notes on Data Engineering and Communication Technologies	International	17 January 2022	23674512	Scopus	10.1007/978-981-16-6605-6_16
41	L. V. R. Rajani Kumari, A. Lohitha, A. Kavya,	Conference	A hybrid Approach for Enhancement of the ECG signal	8 IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering	International	Nov. 2021		Scopus	10.1109/UPC ON52273.2021.9667613
42	L. V. R. Rajani Kumari, A. J. Sabavat, Y. P. Sai	Conference	Performance Evaluation of Adaptive Filtering Algorithm for Denoising the ECG Signal	2nd International Conference on Electronics and Sustainable Communication Systems (ICESC 2021)	International	Aug-21	978-1-6654-2867-5	Scopus	10.1109/ICESC51422.2021.9532852
43	L. V. R. Rajani Kumari, A. Lohitha, N. Tarakeswar	Conference	Detection of Sleep Apnea from ECG Signal using Various Machine Learning Algorithms	8 IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering	International	11-13, Nov. 2021		Scopus	10.1109/UPC ON52273.2021.9667603
44	S.Vadupu, K.S. Kandala, A. Peddi, N.S. Yadav, G.V. Kumar and P.A Hrsha Vardhini	Conference	Skin Pathology Detection Using Artificial Intelligence	6th International Conference on Signal Processing, Computing and Control (ISPCC)	International	7-9 Oct. 2021	978-1-6654-2554-4, pp.373-376	Scopus	10.1109/ISPC C53510.2021.9609516

45	B.V.Kumar, K.K. Srinivas, P.Anudeep, N.S. Yadav, G.V.Kumar and P.A Harsha Vardhini	Conference	Artificial Intelligence Based Algorithms for Driver Distraction Detection: A Review	6th International Conference on Signal Processing, Computing and Control (ISPCC)	International	7-9 Oct. 2021	978-1-6654-2554-4, pp.383-386	Scopus	10.1109/ISPC C53510.2021.9609349
46	R.S.Krishna, K.K.Srinivas, P. Anudeep and P.A.H.Vardhini	Conference	Ear - Based Biometric-System Using Artificial Intelligence	6th International Conference on Signal Processing, Computing and Control (ISPCC)	International	7-9 Oct. 2021	978-1-6654-2554-4, pp.377-382	Scopus	10.1109/ISPC C53510.2021.9609409
47	G.A. Chandra, K.K.Srinivas, P Anudeep, S. R. Prasad, Y. Padmasai and P. Kishore	Conference	Mental Health Disorder Analysis Using Convolution Neural Network Based Speech Signal Model with Integration of Artificial Intelligence	4th International Conference on Recent Developments in Control, Automation & Power Engineering (RDCAPE)	International	7-8 Oct. 2021	978-1-6654-1429-6, pp.544-547	Scopus	10.1109/RDC APE52977.2021.9633637
48	S. Rayeni, A. Peddi, S.K. R, K. Srinivas and P. Sai Y	Conference	Design and Comparison of Advanced Low Power SRAM cells using GNRFET Technology	International Conference on Communication information and Computing Technology (ICCICT)	International	25-27 June 2021	978-1-6654-0430-3, pp.1-6	Scopus	10.1109/ICCI CT50803.2021.9510169
49	P. Singh, K. K. Srinivas, A., Peddi, B. Shabarinath, L. Neelima, K. A. Bhagavathi	Conference	Artificial Intelligence Based Early Detection and Timely Diagnosis of Mental Illness- A Review	2022 International Mobile and Embedded Technology Conference-2022	International	10-11, March-2022	978-1-66542020-4	Scopus	10.119/MECON53876.2022.9752219
50	C.Kaushik, Chaitna Sri Koganti, Vaddi Sowmya Sree	Conference	Automatic Turn Indicating System Using Smart Turn Signal Circuit in Motorcycles	2nd International Conference on Electronics and Sustainable Communication Systems (ICESC 2021)	International	Aug-21	978-1-6654-2867-5	Scopus	DOI: 10.1109/ICESC51422.2021.9532803
51	D. Ramesh Reddy, Addanki Pranava, C. D. Naidu, Prakash Kodali	Conference	Extraction of Pothole Attribute for Road Infra Maintenance Using Kinect	International Conference on Communication and Computational Technologies	International	Aug-21	978-981-16-3245-7	Google Scholar	https://doi.org/10.1007/978-981-16-3246-4_67



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Faculty Publications in the Academic Year 2020-2021

S. No.	Name of author/s	Journal/Conference/Book Chapter	Title of the paper	Name of the Journal/Conference	National/International	Year of Publication	Vol. no., Issue no., Pg. no., ISBN/ISSN Number	Indexing	DOI of paper
1	Lavanya M, Ranjan K. Senapati, JVR Ravindra	Journal	Accuracy evaluation of a trained NN by energy efficient approximate 4:2 compressor	Computers and Electrical Engineering	International	Apr-21	ISSN:0045-7906	SCIE (Q1)	https://doi.org/10.1016/j.compeleceng.2021.107137
2	G. Shanthi, K. Srinivasa Rao, K. Girija Sravani	Journal	Performance analysis of EBG bandstop filter using U-shaped meander type electrostatically actuated RF MEMS switch	Microsystem Technologies	International	27-Jan-21	27, 3743–3750 (2021)	SCIE (Q2)	https://doi.org/10.1007/s00542-020-05157-1
3	Sagar Reddy Vumanthala Bikshalu Kalagadda	Journal	Modified Nonlocal Means Filtering for Speech Enhancement and Its FPGA Prototype	Circuits, Systems, and Signal Processing	International	01-Jun-21	Jun-20	SCIE (Q2)	https://doi.org/10.1007/s00034-021-01750-5
4	Md Aref Billaha, Biplab Bhowmick & Santosh K. Choudhary	Journal	Investigating inter-subband photocurrent in CdS/ZnSe quantum well photodetector for infrared applications	Microsystem Technologies, Springer	International	Nov.-2020	(DOI:10.1007/s00542-020-05119-7), ISSN no.-0946-7076	SCIE (Q2)	https://doi.org/10.1007/s00542-020-05119-7

5	M. V. R. Manimala, C. Dhanunjaya Naidu, M. N. Giri Prasad	Journal	Sparse MR Image Reconstruction Considering Rician Noise Models: A CNN Approach	Wireless Personal Communications	International	Aug-20	Vol. 116, pages 491–511, 1572834X	SCIE (Q2)	https://doi.org/10.1007/s11277-020-07725-0
6	Vijayakumar Gurralla, Padmasai Yarlagadda, Padmaraju Koppireddi	Journal	Detection of Sleep Apnea Based on the Analysis of Sleep Stages Data Using Single Channel EEG	Traitement du Signal	International	April 2021	Vol. 38, No. 2, April 2021, pp. 431-436	SCIE (Q3)	https://doi.org/10.18280/ts.380221
7	Veeramosu Priyanka Brahmaiah, Yarlagadda Padma Sai, Mahendra N. Giriprasad	Journal	A New Framework for Recognizing Normal and Epileptic Seizure from Eye Movement Signals Using Genetic Based Convolutional Neural Network	Traitement du Signal	International	July 2020	Vol. 37, No. 3, pp. 493-501	SCIE (Q3)	https://doi.org/10.18280/ts.370317
8	L. V. Rajani Kumari, Y. Padma Sai & N. Balaji	Journal	R-Peak Identification in ECG Signal Using pattern Adapted Wavelet Technique	IETE Journal of Research	International	21-Mar	10.1080/03772063.2021.1893229	SCIE (Q3)	https://doi.org/10.1080/03772063.2021.1893229
9	Pravat Kumar Ray, Santanu Kumar Dash, B. D. Subudhi, S. Koonlaboon Korkua	Journal	Mitigation of Power Quality Issues using UPQC	International Journal of Emerging Electric Power Systems	International	3-Sept.,2020	1553-779X	ESCI (Q3)	https://doi.org/10.1515/ijeeps-2020-0040
10	Dr. Vijaya Lakshmi Thirumala, Venkata Satyanarayana Karanam, Prof. Pratap Reddy Lankireddy, Aruna Kumari Kakumani, Rakesh Kumar Yacharam	Journal	Haze-level prior approach to enhance Object Visibility under atmospheric degradation	Turkish Journal of Electrical Engineering and Computer Sciences	International	Mar-21	(2021) 29: 994 – 1014, 1300-0632	SCIE (Q3)	10.3906/elk-2004-7
11	R. Sarawanthi Vijaya, L. Padma Sree, K. Anuradha	Journal	Dynamic Group Key Management Scheme for Clustered Wireless Sensor networks	International Journal of Grid and Utility Computing	International	Sep. 2020	Vol. 11, Issue-6, pp. 801-814	WoS (Q3)	DOI:10.1504/IJGUC.2020.10029963

12	Pradeep Kumar, Subodh Srivastava, Ritesh Kumar Mishra, Y. Padma Sai	Journal	End-to-end improved convolutional neural network model for breast cancer detection using mammographic data	Journal of Defense Modeling and Simulation: Applications, Methodology, Technology	International	Dec.-2020	1548-5129	WoS (Q3)	https://doi.org/10.1177/1548512920973268
13	Raja Kumari Chilukuri, Hari Kishore Kakarla, K. Subbarao	Journal	Estimation of Modulation Parameters of LPI Radar Using Cyclo stationary Method	Sensing and Imaging	International	12-Oct-20	1557-2064, Volume 21, Issue 1	WoS (Q3)	https://doi.org/10.1007/s11220-020-00313-3
14	Kedar Nath Sahu, Challa Dhanunjaya Naidu, Jaya Sankar Kottareddygari	Journal	UWB Transmission through Human Thorax: An Index of Cardiac Health	International Journal of Online and Biomedical Engineering (iJOE)	International	Nov., 2020	16(13):70	ESCI (Q3)	https://doi.org/10.3991/ijoe.v16i13.18593
15	D. Ramesh Reddy, A Pranava, Dr. C. D. Naidu, Dr. Prakash Kodali, Dr. Y. Padmasai	Journal	Smart Navigation System with Pavement Hole Estimation using Clustering Technique	International Journal of Emerging Trends in Engineering Research	International	Sep.-2020	Volume 8. No. 9, ISSN No.2347-3983	Scopus (Q3)	https://doi.org/10.30534/ijeter/2020/688920
16	Vijaya Kumar Gurrala, Padma Sai Yarlagadda, Padmaraju Koppireddi	Journal	A Novel Single Channel EEG based Sleep Stage Classification using SVM	International Journal of Bio Medical Engineering and Technology	International	Jul-20	In Press, 1752-6426	WoS, Scopus, (Q4)	10.1504/IJBE T.2021.116112
17	Uma Maheshwar Janniekodea, Rajendra Prasad Sominenib, and C.D. Naiduc	Journal	Design and Performance Analysis of 6T SRAM Cell in Different Technologies and Nodes	International Journal of Performability Engineering	International	01-Feb, 2021	vol. 17, no. 2, pp. 167-177	Scopus (Q4)	10.23940/ijpe.21.02.p1.167177
18	Kaire Anupama, Y. Chalapathi Rao, Vijaya Kumar G	Journal	A Machine Learning Approach to Monitor Water Quality in Aquaculture	International Journal of Performability Engineering	International	Dec-20	Vol. 16, Issue 12, pg. 1845-1852, 0973-1318	Scopus (Q4)	10.23940/ijpe.20.12.p1.18451852
19	G. Jagga Raoa, Dr.Y. Chalapathi Raob, Dr. Anupama Desh Pande	Journal	Millimeter Wave MIMO-OFDMA scheme with MMSE Based WEMF in 6G wireless Technology	Turkish Journal of Computer and Mathematics Education	International	Apr-21	Vol-12, No.3,4701-4707	Scopus (Q4)	https://doi.org/10.17762/turcomat.v12i3.1890
20	D. Kanthi Sudha, P. Chandrasekhar Reddy	Journal	RF Transceiver Module for Pipeline Pilferage Detection	Journal of Computational and Theoretical Nanoscience	International	1-4, Nov.-2020	Vol. 17, ISSN-1546-1955	Scopus (Q4)	doi:10.1166/jc tn.2020.9642

21	Pradeep Kumar, Subodh Srivastava, Y. Padma Sai, Santosh Choudhary	Book Chapter	Optimal Bayesian Estimation Framework for Reduction of Speckle Noise from Breast Ultrasound Images	ICICPS 2020	International	22-Oct.-2020	978-981-16-4149-7	Scopus (Q4)	https://doi.org/10.1007/978-981-16-4149-7_22
22	G. Jagga Rao, Dr.Y. Chalapathi Rao, Dr. Anupama Desh Pande	Journal	A Study of Future Wireless Communication: 6G Technology Era	Journal of Xidian University	International	2020-2021	VOLUME 14, ISSUE 11, ISSN No:1001-2400	Google Scholar (Q4)	https://doi.org/10.37896/jxu14.11/065
23	Aytha Ramesh Kumar1, Dr.K.Lal Kishore2, Amreen Fatima3	Journal	Implementation of 5G NR Primary and Secondary Synchronization	Turkish Journal of Computer and Mathematics Education	International	May-2021	Vol.12 No.8(2021), 3153-3161,Pg:3153-3161	Google Scholar (Q4)	https://doi.org/10.17762/turcomat.v12i8.4159
24	K. L. V. Ramana Kumari, M. Asha Rani, N. Balaji	Journal	3-Cell NPSF Testing in Memories using Hamiltonian and Gray sequences	Journal of Computational and Theoretical Nanoscience	International	March 2021	Vol. 17, pp. 1–4	Google Scholar (Q4)	10.1166/jctn.2021.9651
25	Dr. V. Krishnasree, Aishwarya Teja	Journal	Reduction of storage and transmission requirements in IoT - Using Video Compression	Solid State Technology	International	December-2020	Volume: 63 Issue: 6	Scopus (Q4)	http://solidstatechnology.us/index.php/JST/article/view/8373
26	B B Shabarinath P. Muralidhar	Conference	Custom-IP for Gradient Descent Optimization based on Hardware/Software Co-design Paradigm	C-(VDAT-2020: 24th International Symposium on VLSI Design and Test)	International	23-25, July 2020	ISBN:978-1-7281-9369-4	WoS	10.1109/VDA T50263.2020.9190560
27	Vijaya Kumar Gurrala,Padmasai Yarlagadda, PadmaRaju Koppireddi and V Hari Praneet Sreenivasula	Conference	A review on analysis of sleep EEG signals	Fourth International Conference on Electronics, Communication and Aerospace Technology (ICECA)	International	05-07 November 2020	ISBN: 978-1-7281-6386-4	Scopus	10.1109/ICECA49313.2020.9297564
28	Sree Dhruti P S S, Dr. L V Rajani Kumari, Dr. Y. Padma Sai	Book Chapter	An Inference Engine Integrated with Health Parameters for Medical Web Platform	C-Third International Conference Soft Computing and Signal Processing (ICSCSP-2020)	International	20 April 2021	978-981-33-6081-5	Scopus	https://doi.org/10.1007/978-981-33-6081-5_33
29	Guntur Radha Krishna; Ramakrishnan Krishnan; Vinay Kumar Mittal	Conference	A system for Automatic Regional Accent Classification	INDICON-2020	International	12-Dec.-2020	978-1-7281-6916-3	Scopus	10.1109/INDICON49873.2020.9342577
30	Guntur Radha Krishna; Ramakrishnan Krishnan; Vinay Kumar Mittal	Conference	Foreign Accent Recognition with South Indian Spoken English	INDICON-2020	International	Feb-21	978-1-7281-6916-3	Scopus	10.1109/INDICON49873.2020.9342471
31	Radha Krishna Guntur, Ramakrishnan Krishnan & Vinay Kumar Mittal	Conference	Identification of Indian English by Speakers of Multiple Native Languages	Sixth International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS'20)	International	07 February 2021	978-981-16-0424-9	Scopus	10.1007/978-981-16-0425-6_24

32	Ajay Thammana a, A. Sampath Dakshina Murthy a, Ch. Usha Kumari b, P. Kishore	Journal	Performance analysis of OFDM and FBMC over selective channels	Materials Today: Proceedings	International	14 August 2020	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2020.07.348
33	Dr. P. Kishore, K. Ratna Phanitha	Journal	Low Area and Reduced Delay of Encoded Data Using Modified Bwar	International Journal of Advanced Science and Technology	International	Dec-20	Vol. 29, No. 8, (2020), pp. 6181-6188	Scopus	http://sersc.org/journals/index.php/IJAST/article/view/34895
34	Mohebb Naaz, Dr. L V Rajani Kumari, .Dr. Y Padma Sai	Book Chapter	Classification of Arrhythmia beats using Optimized K-Nearest Neighbor Classifier	International Conference On Machine Learning, Internet of Things and Big Data (ICMIB)-2020	International	20-Apr-21	978-981-33-6081-5	Scopus	https://doi.org/10.1007/978-981-33-6081-5_31
35	Dhammughari Abhilash, Dr. L V Rajani Kumari, Vivekananda Reddy Palle	Conference	Design and development of the secondary energy meter for non-intrusive load monitoring using a machine learning method	4th International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2020)	International	10-Nov-20	978-1-7281-5464-0	Scopus	10.1109/I-SMAC49090.2020.9243346
36	J. Roja, V. Naveen Kumar, Y. Padma Sai, Sagar Reddy	Conference	Implementation of Wi-Fi energy efficient wireless media transmission	Materials Today: Proceedings	International	24 May 2021	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2021.04.189
37	B B Shabarinath; P. Muralidhar	Conference	Convolutional Neural Network based Traffic-Sign Classifier Optimized for Edge Inference	2020 IEEE REGION 10 CONFERENCE (TENCON)	International	22-Dec-20	ISBN:978-1-7281-8455-5	Scopus	10.1109/TENCON50793.2020.9293767
38	V. Sagar Reddy, K. Bikshalu	Journal	Unfolded Hardware Architecture of Empirical Mode Decomposition for Speech Enhancement	International Journal of Advanced Research in Engineering and Technology	International	Nov.- 2020,	Volume 11, Issue 11, ISSN Print: 0976-6480	Scopus	10.34218/IJA RET.11.11.2020.217
39	S. Jha, S. K. Choudhary, P. Ritesh Kumar	Conference	Effect of Physical Parameters on the drain characteristics of Double gate MOSFET incorporating Quantum Mechanical Effects	2020 International Conference on Recent Advancements in Engineering and Management (ICRAEM 2020)	International	3-4 December, 2020	17578981	Scopus	10.1088/1757-899X/981/3/032012
40	B. Medaoati, L. V. Rajani Kumari	Conference	KNN Based Sleep Apnea Detection Using ECG Signals	2 nd International Conference for Emerging Technology, INCET-2021	International	21-23, May 2021	978-172817029-9	Scopus	10.1109/INCE T51464.2021.9456404
41	P. Kishore, A. Anitha, Ch. Maheshwari, C. S. Kumar	Conference	Implementation of Digital Phase Locked Loop Using CMOS Technology	1 st IEEE International Conference on Advances in Electrical Computing, Communications and Sustainable Technologies (ICAECT 2021)	International	19-20 Feb., 2021	978-1-7281-5791-7	Scopus	10.1109/ICAECT49130.2021.9392507

42	A. Anitha, B. Triveni, P. Kishore, M. Latha Madhavi	Conference	A modified Novel Signal Flow Graph and Memory-Based Radix-8 FFT Processor Design	4 th International Conference on Smart Computing and Informatics, (SCI-2020)	International	9-10 Oct., 2020	978-981-16-1501-6	Scopus	https://doi.org/10.1007/978-981-16-1502-3_54
43	L. V. R. Kumari, P. Bokkolla, S. F. Syeed, S. P. Gudala, M. Dasamdla	Conference	Detection of Pneumonia Using Deep Learning	5 th International Conference on Trends in Electronics and Informatics (ICOEI-2021)	International	3-5 June, 2021	978-166541571-2	Scopus	10.1109/ICOEI51242.2021.9453088
44	L. V. R. Kumari, M. A. Jaffery, K. S. S. Nigma, G. Manasi, P. Tharangini	Conference	Detection of Parkinson's Disease using Extreme Gradient Boosting	5 th International Conference on Trends in Electronics and Informatics (ICOEI-2021)	International	3-5 June, 2021	978-166541571-2	Scopus	10.1109/ICOEI51242.2021.9452830
45	V.V.S.S.Sirisha, G.Sahitya	Journal	A Scrutiny of advanced Technologies over precision Agriculture	Materias Today: Proceedings	International	Oct-21	Doi.org/10.1016/j.matpr.2020.10.492	Scopus	https://doi.org/10.1016/j.matpr.2020.10.492
46	Surekha G., Dr. Balaji N, Dr. Y. Padma Sai	Journal	Designing of 64 K Bit SRAM Using Increased Substrate Bias 7T SRAM cell	Materials Today: Proceedings	International	18-19 September, 2020	13:978-81-930222-9-0	Scopus	https://doi.org/10.1016/j.matpr.2020.11.118
47	M .Ramdevi, G. Ramya, M. Ranjith & S. Sneha	Journal	IoT Evaluating Indoor Environmental Quality check of Air and Noise	Materials Today: Proceedings.	International	28-Dec.-2020.	https://doi.org/10.1016/j.matpr.2021.03.137	Scopus	https://doi.org/10.1016/j.matpr.2021.03.137
48	D. Ramesh Reddy, Addanki Pranava & C. D. Naidu, Prakash Kodali	Book Chapter	Extraction of pothole attribute for road infra maintenance using Kinect	Proceedings of International Conference on Communication and Computational Technologies. Algorithms for Intelligent Systems. Springer, Singapore	International	Feb 27-28 2021	978-981-16-3246-4	Google Scholar	https://doi.org/10.1007/978-981-16-3246-4_67
49	Vijaya Kumar Gurrala, Padma Sai Yarlagaadda ,Padma, raju Koppireddi	Book Chapter	Extraction of Wavelet Features for the classification of Sleep Stages using Single Channel EEG	Recent Developments in Engineering Research, Book Publisher International	International	Aug.-2020	978-93-90206-87-2	Google Scholar	10.9734/bpi/rd/v2

50	Pradeep Kumar, K Sangeetha, Santosh Kumar Choudhary and Dr. Y Padma Sai	Journal	Semi Blind Channel Estimation with BCJR Algorithm in OFDM Systems	PENSEE International Journal	International	Dec-20	vol. 50, Issue 12, pp. 1706-1709	Google Scholar	https://app.box.com/s/8s6h2671c2gpinyvu0bzy3e5gxk3bv50
51	Sirekha G., Ba;la Ji N., Dr. Y. Padma Sai	Conference	A Low Power Binary CAM using 7T SRAM cell with increased substrate bias	2021 2nd International Conference on Smart Electronics and Communication (ICOSEC)	International	18-19 September, 2020	978-1-6654-3368-6	Google Scholar	10.1109/ICOS-EC51865.2021.9591858
52	Aruna Kumari, Dr. L. Padma Sree	Journal	Deep Learning for Biological Cell Tracking in Microscopy Images: A Recent Survey	GIS Science Journal	International	Feb-21	Vol-8, Issue-2,1869-9391	Google Scholar	=
53	Padmasree L, Preethi Eluri, Sai Subrahmanya Akhil Badampudi, Sreedhar Reddy Mukkamalla	Journal	Real Time Vision System for Autonomous Vehicles	Review of Computer Engineering Studies, International Information Engineering Technology Association	International	Dec-20	Vol. 7, No. 4, pp. 87-90	Google Scholar	https://doi.org/10.18280/rces.070402
54	Sunitha Vanamala, L Padma Sree, S Durga Bhavani	Book Chapter	Eclat_RPGrowth: Finding Rare Patterns Using Vertical Mining and Rare Pattern Tree	Computer Networks, Big Data and IoT, Lecture Notes on Data Engineering and Communications Technologies, Springer, Singapore	International	Jun-21	vol 66, pp:161-176	Google Scholar	https://doi.org/10.1007/978-981-16-0965-7_14
55	Dharma Teja Lanka, S. Rajendra Prasad, K. Srinivasa Rao	Journal	Review of Design and Analysis of Different Technologies in Low Power VLSI Circuits	Science, Technology and Development	International	Jan.-2021	Volume X Issue I JANUARY 2021	Google Scholar	http://journalstd.com/gallery/31-jan2021.pdf
56	Nandhaiahgari Dinesh Kumar, Dr. Rajendra Prasad Somineni, CH. Raja Kumari and Dr. C D Naidu	Journal	Design and Analysis of Different Full Adder Cells Using New Technologies	International Journal of Reconfigurable and Embedded Systems	International	01-July-2020	Vol. 9, No. 2, pp. 116-124	Google Scholar	10.11591/ijres.v9.i2.pp116-124
57	Dr. M. C. Raju, Sai Nakshatra, Janvi uppalapati, Bollampally Vivek Shanthi Chandra, Surya pavan	Journal	Advanced Blind Stick using python	The International journal of analytical and experimental modal analysis	International	October 2020.	Vol-12, Issue-X, ISSN NO:0886-9367, pp:867-875	UGC	https://drive.google.com/file/d/1W-Di-UpxI6UPWzsNMmNpX2ZdafNRrxv/view

58	Dr. Y. Chalapathi Rao, P. Koteswara Rao, Dr. P. Kishore	Journal	NPSF Testing and Diagnosys of SRAM using March96-N Algorithm	International Journal for Innovative Engineering and Management Research	International	04-Feb-2021	2456-5083	UGC, Google Scholar	10.48047/IJIE MR/V10/I02/03
59	P. Kishore K. C. Koteswaramma, Y. Chalapathi Rao	Journal	Design of High-Performance Adder using Modified GDI Based Full adder	Journal of Mechanics of Continua and Mathematical Sciences	International	Aug-20	2454-7190, Vol-15, NO-8, Aug-20, PP-53-62	Google Scholar	https://doi.org/10.26782/jmcms.2020.08.00006
60	Dr.Y.Chalapathi Rao, K. Shiva Aditya , G. Harshitha, K. Divya & K. Sohila	Journal	Real Time Vehicle Tracking and Alerting System	Journal of Emerging Technologies and Innovative Research (JETIR)	International	23-Dec.- 2020	Volume 8, Issue 1 ISSN-2349-5162	Google Scholar	http://www.jetir.org/papers/JETIREK06034.pdf
61	Ms. Gayatri Sasi Rekha Machiraju (MTech student), Ms. K. Aruna Kumari, Mr. Shaikh Khadar Sharif	Conference	Object Detection and Tracking for Community Surveillance using Transfer Learning	6th International Conference on Inventive Computation Technologies (ICICT 2021, IEEE Conference)	International	Feb-21	978-1-7281-8501-9	Google Scholar	10.1109/ICICT50816.2021.9358698
62	Dhanalakshmi Narra , Madhavee Latha Y,Damodaram Avula	Conference	Content Based Temporal Segmentation for Video Analysis	IEEE Hydcon-International Conference on Engineering In 4th Industrial Revolution (Ei4.0) 9th-12th Sep, 2020	International	Nov-20	978-1-7281-4994-3	Google Scholar	10.1109/HYDCON48903.2020.9242711
63	P.Kishore,P. Sravanthi, G. Deepthi, A. Rashmitha	Book Chapter	A Review on Comparative Analysis of Add-Shift Multiplier and Array Multiplier Performance Parameters	C-International Conference on Advances in Computer Engineering and Communication Systems (ICACECS-2020)	International	Aug.-2020	https://doi.org/10.1007/978-981-15-9293-5_41 , pp 453-461-	Google Scholar	https://doi.org/10.1007/978-981-15-9293-5_41
64	Md Aref Billaha , Bhaskar Roy , Sutapa Ray , Santosh K. Choudhary, Soham Kanti Bishnu, Sanjay Chatterjee3 and Aparna Biswas	Conference	Asymmetric AlGaAs/GaAs/InGaAs Based Quantum Well Long Wavelength Infrared Photodetector	2020 4th International Conference on Electronics, Materials Engineering & Nanotechnology (IEMENTech)	International	2-4 Oct.-2020	978-1-7281-9287-1	Google Scholar	10.1109/IEMENTech51367.2020.9270056
65	Mrs P Archana, Dr.Subhash Kulkarni	Journal	Data Analysis Approach on Video Quality of Experience (QOE) Prediction Using Enrque Machine Learning	Cape Comorin An International Multidisciplinary Double-Blind Peer-reviewed Research Journal	International	Feb-21	ISSN: 2582-1962, Vol: 3, Issue: 1, Page No : 8-14.	Google Scholar	https://www.capecomorinjournal.org.in/Acharya_IJELS_Archives-view-abstract?Id=89

66	Mrs P Archana, Dr.Subhash Kulkarni	Conference	NVL2E – Neural Network- Based Video Feature Extraction Enabled Loss Computation to Learn and Evaluate Video Quality	International Conference on Smart Data Intelligence (ICSMDI 2021),	International	Apr-21	Electronic ISBN: 978-1-6654-3368- 6, Page No: 412- 419,	Google Scholar	https://dx.doi.org/10.2139/ssrn.3853029
67	V. V. S. S. Sireesha , G. Sahitya	Conference	Smart irrigation System for the Reinforcement of Precision Agriculture using Prediction Algorithm	ICICT	International	Feb-21	978-1-7281-8501- 9	Google Scholar	10.1109/ICICT50816.2021.9358524
68	K. L. V. Ramana Kumari, M. Asha Rani, N. Balaji	Book Chapter	Testing of NPSF for memory	ICSCSP-2020	International	Aug.-2020	978-981-16-1249- 7	Google Scholar	https://doi.org/10.1007/978-981-16-1249-7_59
69	D. Kanthi Sudha, P. Chandrasekhar Reddy	Journal	Optimizing Conformal Antenna Design for Cylindrical Structures to achieve Omni Directional Radiation coverage	The International journal of analytical and experimental modal analysis	International	Feb.-2021	Volume XIII, Issue II,0886- 9367	Google Scholar	https://drive.google.com/file/d/111B7wtyWUELVRQVh4TzVV3Dtd6ieYvpz/view
70	D. Kanthi Sudha, P. Chandrasekhar Reddy	Journal	Comparative Analysis of Radiation Performance and Bandwidth of Planar, Conformal Microstrip Patch Antennas	International Journal of All Research Education and Scientific Methods	International	3-March - 2021	2455-6211, Volume 9, Issue 3, March -2021	Google Scholar	http://www.ijaresm.com/uploaded_files/document_file/D._Kanthi_Sudha_yHCU.pdf
71	K. Swetha Reddy, P. Soujanya , D. Kanthi Sudha	Journal	ASIC Design and Verification of AMBA APB Protocol Using UVM	International Journal of Innovative Technology and Exploring Engineering	International	Jul-20	ISSN: 2278-3075, Volume-9 Issue-9	Google Scholar	10.35940/ijite.I7257.079920
72	Priyanka Kolluri, Pranaya Chilamkuri , Naga Deepa.Ch., Padmaja.V.	Book Chapter	Classification of Human Postural Transition and Activity Recognition Using Smartphone Sensor Data	CIS-2020	International	02-Jun-21	978-981-33-6983- 2	Google Scholar	https://doi.org/10.1007/978-981-33-6984-9_35
73	T. Nikhil, NagaDeepa. Ch & Dr. V. Padmaja	Conference	Social Distance Alert System to Control Virus Spread using UWB RTLS in Corporate Environments	IEEE ICATMRI-2020	International	12-Apr-21	978-1-7281-7734- 2	Google Scholar	10.1109/ICATMRI51801.2020.9398453
74	Manisha & Naga Deepa. Ch	Book Chapter	Human Activity Classification using Machine Learning Techniques with Feature Selection	Fourth International Conference on Advanced Informatics for Computing Research (ICAICR-2020)	International	20-Jun-21	978-981-16-3659- 2	Google Scholar	https://doi.org/10.1007/978-981-16-3660-8_35

75	Sravanth Kumar Ramakuri, Vishnu Vytla, Anudeep Peddi, Kalyana Srinivas K	Conference	Mathematical Models for Predicting COVID-19 Pandemic: A REVIEW	IOCER COVID 19	International	08-Oct.-2020	doi:10.1088/1742-6596/1797/1/012009	Google Scholar	doi:10.1088/1742-6596/1797/1/012009
76	Damaraju Venkata Padma, G. Shanthi, M. Rama Devi	Journal	Implementation of 16bit Fully Parallel Polar Encoder and Decoder using Partially Parallel Register Less Technique	International Journal of Innovative Technology and Exploring Engineering	International	July,2020	ISSN: 2278-3075, Volume-9 Issue-9, July 2020	Google Scholar	10.35940/ijite.I7250.079920
77	Srinivasa Rao Patri & L. Nithyanandan	Book Chapter	Energy Efficient Data Transmission in a Three-Hop Cooperative Cellular NB-IoT Network Using Double Auction	International Conferences on Advances in Computer Engineering of Communication Systems	International	23-Jan-21	978-981-15-9293-5	Google Scholar	https://doi.org/10.1007/978-981-15-9293-5_22
78	D. Ramesh Reddy, Bakka Sandhya, Kasaraneni Yasaswi, Khadse Akshay, Eligeti Pavansai, Dr. Prakash Kodali	Journal	Plant Growth Prediction and Analysis using Convolutional Neural Networks with Suitable Activation Function	National- Sambodhi	International	Jul-20	Volume 43, Issue 2, pp. 41-45	UGC	http://www.ijreat.org/Papers%202020/Issue43/IJREATV8I1003.pdf
79	D. Ramesh Reddy, Bikash K, Vivek K P, Sadek U. Z & Dr. Prakash kodali.	Book Chapter	Design and development of an IoT-Bases Smart Medication Device.	Soft Computing for Problem Solving-SocPros 2020	International	18-20, Dec. 2020	978-981-16-2712-5	Google Scholar	https://doi.org/10.1007/978-981-16-2712-5_7
80	D. Ramesh Reddy; Chandravathi Chella; K. Bala Ravi Teja; Heera Rose Baby; Prakash Kodali	Conference	Autonomous Vehicle Based on Deep Q-Learning and YOLOv3 with Data Augmentation	International Conference on Communication, Control and Information Sciences (ICCISc)	International	16-18, June 2021	978-1-6654-0295-8	Google Scholar	10.1109/ICCI-Sc52257.2021.9484954
81	S. Shilparani, K. Swetha Reddy, V. Sagar Reddy	Conference	FPGA Implementation of FIR Filter Architecture using MCM Technology with Pipelining	2021 2nd International Conference for Emerging Technology (INCET)	International	May-21	Pg. no. 1-5	Google Scholar	10.1109/INCE-T51464.2021.9456384
82	Manasa Yatagiri Pitchiah Telagathoti	Book Chapter	Low Complexity Signal Detection Based on Approximate Matrix Inversion Methods for Massive MIMO-Literature Review	Proceedings of NCVSCOMS20	National	Dec. 18-19, 2020	ISBN: 978-93-89084-07-8	Google Scholar	--

83	Garg Priyanka, Santanu Kumar Dash	Conference	A Detailed Review on Intelligent Maximum Power Point Tracking Algorithms	2020 2nd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA), IEEE BANGALORE	International	23-Apr-20	978-1-7281-4167-1	Google Scholar	10.1109/ICIMIA48430.2020.9074861
84	Dr. G. Jagga Rao, Dr. Y. Chalapathi Rao	Book	6G Challenges in Reconfigurable MIMO-OFDM	Mahi Publication	International	January-2021	ISBN:978-93-91556-79-2	Google Scholar	https://www.mahipublication.com/book-details/6g-challenges-in-reconfigurable-mimo-ofdm/Mjk0/



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Faculty Publications in the Academic Year 2019-2020

S. No.	Name of author/s	Journal/Conference/Book Chapter	Title of the paper	Name of the Journal/Conference	National/International	Year of Publication	Vol. no., Issue no., Pg. no., ISBN/ISSN Number	Indexing	DOI of paper
1	Santanu Kumar Dash, Pravat Kumar Ray	Journal	A New PV-Open-UPQC Configuration for Voltage Sensitive Loads utilizing novel Adaptive Controllers	IEEE Transaction on Industrial Informatics	International	13-Apr-20	1551-3203	SCIE (Q1)	10.1109/TII.2020.2986308
2	Ranjan K. Senapati, Subodh Srivastava, Prasanth M	Journal	RST Invariant blind image watermarking using DTT and SVD	Arbian J. of science and engineering-Springer	International	Feb-20	45, pp. 3331-3353, 21914281, 2193-567X	SCIE (Q1)	10.1007/s13369-020-04387-9
3	G. Shanthi, K. Srinivasa Rao, K. Girija Sravani	Journal	Design and analysis of a RF MEMS shunt switch using U-shaped meanders for low actuation voltage	Microsystem Technologies Micro- and Nanosystems Information Storage and Processing Systems	International	12-May-2020	26:3783–3791	SCI (Q2)	https://doi.org/10.1007/s00542-020-04864-z
4	N V Sailaja, L Padmasree, N Mangathayaru	Journal	Incremental learning for Text Categorization using rough set boundary based Optimized Support Vector Neural Network	Data Technologies and Applications	International	July, 2019	Volume No.54, Issue 5, ISSN: 2514-9288	SCIE (Q2)	https://doi.org/10.1108/DTA-03-2020-0071

5	Gowrisree Rudraraju, ShubhaDeepti Palreddy, Baswaraj Mamidgi, Narayana Rao Sripada, Y. Padma Sai, Naveen Kumar Vodnala, Sai Praveen Haranath	Journal	Cough sound analysis and objective correlation with spirometry and clinical diagnosis	Informatics in Medicine Unlocked (Elsevier)	International	Mar-20	Informatics in Medicine Unlocked 19 (2020) 100319, ISSN: 23529148	Scopus (Q2)	https://doi.org/10.1016/j.imu.2020.100319
6	G. Sucharitha, Ranjan K. Senapati	Journal	Biomedical image retrieval using local directional edge binary pattern and Zernike moments	Multimedia Tools and Applications-Springer	International	Nov. 2019	ISSN: 1380-7501,2.101(SCIE),2.101(SCIE)	SCIE (Q2)	https://doi.org/10.1007/s11042-019-08215-7
7	Amir W., Ranjan K. Senapati	Journal	A secure communication approach in OFDM using Optimized interesting region-based Video Watermarking	International Journal of Pervasive Computing and Communications-emerald publisher	International	Jun-20	Vol. 18 No. 2, pp. 171-194.1	WoS (Q2)	https://doi.org/10.1108/IJPC-05-2019-0044
8	Sagar Reddy Vumanthala, Bikshalu Kalagadda	Journal	Real-time speech enhancement using optimised empirical mode decomposition and non-local means estimation	IET Computers & Digital Techniques	International	29th May 2020	ISSN 1751-8601	SCIE (Q3)	10.1049/iet-cdt.2020.0034
9	Sagar reddy V, Bikshalu K	Journal	Nonlocal means estimation of intrinsic mode functions for speech enhancement	Turkish journal of electrical engineering and computer science	International	27.01.2020	1300-0632	SCIE (Q3)	doi:10.3906/elk-1901-86
10	N V Sailaja, L Padmasree ,N Mangathayaru	Journal	A New Text Categorization Strategy: Prototype Design and Experimental Analysis	International Journal of Knowledge and Learning (InderScience)	International	April,2020	Vol. 13, No. 2 Page Nos: 146-167	WoS, Scopus (Q3)	DOI: 10.1504/IJKL.2020.106650,ISSN online :1741-1017

11	Ch. Naga Deepa, Dr. N. Balaji, Dr. V. Padmaja	Journal	Real Time Hand Gesture Recognition with A Novel Distance Measure GPD For IoT Based Controlled Assistance System	International Journal of Scientific & Technology Research	International	March 2020	Volume- 9, Issue 03, pg-601-607, ISSN 2277-8616	Scopus (Q3)	
12	M. V. R. Manimala, C. Dhanunjaya Naidu, M. N. Giri Prasad	Journal	Convolutional Neural Network for Sparse Reconstruction of MR Images Interposed with Gaussian Noise	Journal of Circuits, Systems, and Computers	International	26 September 2019	Vol. 29, No. 7 2050116 (21 pages)	SCIE (Q3)	DOI: 10.1142/S0218126620501169
13	Manideepthi, Dr. Y.Chalapathi Rao, Vikas, Shiva Sai, Pardha Saradhi	Journal	Generation Of Electricity Using Piezoelectric Tyre	Aut Aut Research Journal	International	May, 2020	Volume XI, Issue V,0005-0601	WoS, Scopus (Q3)	
14	Remalli Rohan, Dr D Santhosh Kumar, P Srinivasa Rao	Journal	Classification of Cardiac Arrhythmia Diseases from Obstructive Sleep Apnea Signals using Decision Tree Classifier	International Journal of Computer Information Systems and Industrial Management Applications	International	Jun-20	ISSN 2150-7988 Volume 12 (2020) pp. 248-264	Scopus (Q3)	
15	Y. Ritheesh Baradwaj, D. Ramesh Reddy, K. Nikhil, K. Achyuth Kumar, 5 R. Abhinav	Journal	Smart Glasses for Blind - A Personal Assistant using Computer Vision, Artificial Intelligence	Aut Aut Research Journal	International	Apr-20	Volume XI, Issue IV, 406-409, ISSN NO: 0005-0601	WoS, Scopus (Q3)	
16	Sagar Reddy Vumanthala, Bikshalu Kalagadda	Journal	Speech Enhancement using Discrete Wavelet Transform and Nonlocal Means Estimation	Jour of Adv Research in Dynamical & Control Systems	International	2019-2020	Vol. 11, 04, ISSN 1943-023X	Scopus (Q3)	
17	L. Dharma Teja, B. Brainard Jacob, G. Gnana Teja Yadav, K. Sri Harini, N. Nikhila Vallabhaneni	Journal	Design of Low Power SRAM Cell Using Multi Threshold Technique	Advanced Science letters	International	May-20	E-ISSN:1936-7317, Vol-26, Pg-524	Google Scholar (Q3)	

18	D. Krishna Virinchi, V. Priyanka Brahmaiah, Dr.Y.Padma Sai, M. Sri Hari Govinda, P. Sai Sudhir Reddy, P. Ronith Reddy	Journal	MAYDAY, A WOMEN SAFETY DEVICE	Advanced Science Letters	International	2019-2020	Vol. 26, No. 5, 1936-7317	Google Scholar (Q3)	
19	Vivek Satvik, Aytha.Ramesh Kumar, Sushma S, ShaikAmeer N, Sai Kiran N	Journal	Implementation of synchronization for 5G NR system	Advanced Science Letters	International	May-20	V26, Num6, 129-135pp,E-ISSN:1936-7317	Google Scholar (Q3)	
20	D.Spandana, Dr.M.C.Raju, P.Madhurima, M.Manya, P.Uma	Journal	Facial Emotion Recognition Using Convolutional Neural Networks (CNN)	Advanced Science Letters	International	May-20	Volume-26 Issue-5, ISSN:1936-7317	Google Scholar (Q3)	
21	Konda Nandini, V. Naveen kumar, Y. Padma Sai	Journal	Real Time Traffic Signs and Obstacle Detection in Self-Driving Car	International Journal of Innovative Technology and Exploring Engineering	International	14-April-2020	Volume-9, Issue-6, ISSN: 2278-3075	Scopus (Q4)	10.35940/ijitee.D1936.049620
22	Pallavi Polsani, V. Priyanka B., Y. Padma Sai	Journal	Design & Verification of Serial Peripheral Interface (SPI) Protocol	International Journal of Recent Technology and Engineering	International	Mar-20	Volume-8 Issue-6, March 2020, ISSN: 2277-3878	Scopus (Q4)	10.35940/ijrte.F7356.038620
23	P. Vineetha, Dr. L. Padma Sree, M. Rama Devi	Journal	Development of Text to Speech Conversion System for Low Vision and Blind People	International Journal of Innovative Technology and Exploring Engineering	International	April 2020	Volume-9 Issue-6,2154-2158,2278-3075	Scopus (Q4)	10.35940/ijitee.D2110.049620
24	V. Krishna sree, C. Kaushik, G. Sahitya, Remalli Rohan	Journal	Various Real time Chat bots and their Applications in Human life	International Journal of Recent Technology and Engineering	International	Nov-19	ISSN: 2277-3878, Volume-8 Issue-4	Scopus (Q4)	10.35940/ijrte.D6902.118419

25	G. Jagga Rao, Dr.Y. Chalapathi Rao, Dr. Anupama Desh Pande	Journal	Detection for 6g-Noma Based Machine Learning Optimization For Successive Adaptive Matching Pursuit Analysis	International Journal of Advanced Science and Technology	International	March, 2020	Vol. 29, No. 3s, pp. 1803- 1812,2005- 4238	Scopus (Q4)	http://sersc.org/journals/index.php/IJAST/article/view/6247
26	Ch. Usha Kumari, N. Madhusudhana Rao, M.N.V.S.S Kumar, Kishore Pinninti, M Pala Prasad Reddy	Journal	Benign and Malignant Tumor Classification using Machine Learning Technique	International Journal of Recent Technology and Engineering	International	Sep-19	ISSN: 2277- 3878, Volume-8, Issue-3,	Scopus (Q4)	10.35940/ijrte.C 6297.098319
27	K. Sarath Chandra, K. Hari Kishore, Pushpa Giri, E. Santhosh Reddy	Journal	Design of 8T CNTFET SRAM for Ultra-Low Power Microelectronic Applications	International Journal of Recent Technology and Engineering	International	Nov-19	ISSN: 2277- 3878, Volume-8 Issue-4	Scopus (Q4)	10.35940/ijrte.D 4368.118419
28	Sahitya G, V A Balakrishna Jakka	Journal	Data Collection and Performance Analysis of Wireless Communication to improve Quality of Service	International Journal of Recent Technology and Engineering	International	Nov-19	ISSN: 2277- 3878, Volume-8 Issue-4	Scopus (Q4)	10.35940/ijrte.D 9269.118419
29	K.Jyostna,K Navaneetha	Journal	A Method to Implement Scheduling and Prioritizing of Messages in VANET's	International Journal of Innovative Technology and Exploring Engineering	International	Oct-19	Volume-8 Issue-12S, ISSN-2278- 3075	Scopus (Q4)	10.35940/ijitee. L1159.10812S1 9
30	L. D. Teja, Dr. S. Rajendra Prasad	Journal	Design of High Performance 4- bit Ternary Multiplier using CNTFET	International Journal of Innovative Technology and Exploring Engineering	International	Dec-19	ISSN: 2278- 3075, Volume-9 Issue-2	Scopus (Q4)	10.35940/ijitee. B7477.129219
31	NagaDeepa.Ch,Dr. N.Balaji, Dr. V. Padmaja.	Journal	AGRD: Real Time Hand Gesture Controlled Assistive System using IoT for Elderly People.	International Journal of Advanced Science and Technology (IJAST)	International	Jul-2019	ISSN:2005- 4238E- ISSN:2207- 6360 Vol-128- Issue-1	Scopus (Q4)	

32	Sakhamuri Sravanthi, Rajendra Prasad Somineni	Journal	VLSI based Error Correction Code Using Fault-tolerant Parallel FFTs	International Journal of Engineering and Advanced Technology (IJEAT)	International	Aug-19	ISSN: 2249 – 8958, Volume-8 Issue-6,	Scopus (Q4)	10.35940/ijeat.F 8258.088619
33	C. Kaushik, G. Sahitya, V. Krishna sree, Remalli Rohan	Journal	Signal Processing Techniques for Removal of Various Artifacts from Obstructive Sleep Apnea Signals	International Journal of Innovative Technology and Exploring Engineering	International	Oct-19	ISSN: 2278- 3075, Volume-8, Issue-12	Scopus (Q4)	10.35940/ijitee. L3317.1081219
34	V. Krishna sree, Jeevan Sai, Sri Siri, Ruchitha, Saishma	Journal	Smart Wrist Band for Women Safety	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	International	Jun-20	ISSN: 2278- 3075, Volume-9 Issue-8	Scopus (Q4)	10.35940/ijitee. H6544.069820
35	Shankaranand Jha, Santosh Kumar Choudhary	Journal	A comparative analysis of the short-channel effects of double-gate, tri-gate and gate-all-around MOSFETs	International Journal of nanoparticles	International	Apr-20	Vol. 12, Nos. 1/2, 2020, page nos. 112- 121,ISSN NO:2231- 3990	Scopus (Q4)	10.1504/IJNP.2 020.106002
36	K.L. V Ramana Kumari, M. Asha Rani, N. Balaji & B.Niharika	Journal	FPGA Implementation of Active Neighbor Hood Pattern Sensitive Fault Testing using Tiling Method	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	International	Nov.-2019	Online ISSN: 2278-3075 & Print ISSN: 0975-4350, Vol-9, Issue-1	Scopus (Q4)	10.35940/ijitee. A3924.119119
37	K. Manasa, V. Padmaja, CH. Naga Deepa, V. Sagar Reddy,	Journal	HVAC and Audio Control System using Gesture Recognition in Cars	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	International	Jan-20	ISSN: 2278- 3075, Volume-9 Issue-3	Google Scholar (Q4)	10.35940/ijitee. C9055.019320
38	Ch.Ganesh,Swapnika	Journal	Design and Implementation of Dual Mode Compressor Based32 Bitdadda Multiplier using Modified Carry Select Adder	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	International	Dec-19	ISSN: 2278- 3075, Volume-9 Issue-2,	Scopus (Q4)	10.35940/ijitee. B7893.129219

39	Sangeetha Balne, T. Gowri, C. Kaushik	Journal	FPGA based On-Chip Phase Measurement System	International Journal of Innovative Technology and Exploring Engineering	International	Dec-19	ISSN: 2278-3075, Volume-9 Issue-2S3	Scopus (Q4)	10.35940/ijitee. B1035.1292S319
40	Shaik Khadar Sharif, chava srivarshni, G. Hruday, M. Chandu	Journal	Sign Language Recognition	International Journal of Engineering, Research & Technology	International	May, 2020	Vol-9, Issue - 5, 2278-0181	Google Scholar (Q4)	
41	B. Venkataramana, L. Padma Sree, M. Srinivas Rao, G. Ganesan	Book Chapter	A study on Rough Indices in Information Systems with Fuzzy or Intuitionistic Fuzzy Decision Attributes-Two Threshold Approach	Lecture Notes on Data Engineering and Communications Technologies	International	2019-2020	Vol. 31, Page: 101-107	WoS	10.1007/978-3-030-24643-3_11
42	B. K. Madhavi, Dr Rajendra Prasad Somineni	Book chapter	Low Power, High Performance CNTFET-Based SRAM Cell Designs: Design and Analysis of 6T CNTFET SRAM Cells	Major Applications of Carbon Nanotube Field Effect Transistors (CNTFET), IGI Global	International	December, 2020	9781799813934	Scopus	DOI: 10.4018/978-1-7998-1393-4.ch006
43	D. Ramesh Reddy G. Phani Chandra Goud Dr. C. D. Naidu	Conference	Internet of Things Based Pothole Detection System using Kinect Sensor	Third International Conference on I-SMAC	International	12-14 Dec. 2019	ISBN:978-1-7281-4365-1	Scopus	10.1109/I-SMAC47947.2019.9032694
44	Mohebbanaaz, Dr. Y. Padma Sai, L.V. Rajani kumari	Conference	A Review on Arrhythmia Classification using ECG Signals	6th Students' Conference on Electrical, Electronics and Computer science (SCEECS-2020)	International	07-May-2020	ISBN 978-1-7281-4862-5, ISSN 2688-0288,	Scopus	10.1109/SCEECS48394.2020.9
45	G. Sahitya, C. Kaushik, Vasagiri Krishnasree, and Ch. Yajna Mallesh	Book Chapter	IOT Based Domestic Aid Using Computer Vision for Specially Abled Persons	International Conference on Communications, Signal Processing and VLSI (IC2SV 2019)	International	Oct-20	18761100	Scopus	10.1007/978-981-33-4058-9_9

46	Dr.D.Sudha Dr.Y. Chalapathi Rao G. Jagga Rao,	Journal	Machine learning based copy move forgery detection with forensic psychology ultra-HD images	TEST Engineering & Management	International	Nov-Dec- 2019	, Volume 81, pp. 6401- 6406, 0193- 4120	Scopus	
47	G Radha Krishna, R Krishnan, V K Mittal	Conference	An Automated System for Regional Nativity Identification of Indian speakers from English Speech	2019 IEEE 16th India Council International Conference (INDICON)	International	Mar-20	978-1-7281- 2327-1	Scopus	10.1109/INDIC ON47234.2019. 9028980
48	Md Aref Billaha, Biplab Bhowmick and Santosh Kumar Choudhary	Book Chapter	Inter-subband Photoresponse Analysis of CdS/ZnSe QWIP	6 th International Conference on Opto- Electronics and Applied Optics (OPTRONIX-2020)	International	Jun-20	978-981-15- 9432-8	Scopus	https://doi.org/10.1007/978-981-15-9433-5_40
49	Sravanth Kumar R, K Misritha, Anudeep Peddi, K kalyana Srinivas, Bharat Gupta	Journal	A survey on Recent Trends in Brain Computer Interface classification and application	Journal of critical Reviews	International	07-June- 2020	ISSN- 2394- 5125 Vol 7, Issue 11	Scopus	
50	G. Shanthi, K. Srinivasa Rao, K. Girija Sravani	Book Chapter	Electromagnetic Analysis of MEMS Based Tunable EBG Band stop Filter using RF MEMS Switch for Ku – Band Applications	5th International Conference on Micro- electronics Electromagnetics and Telecommunications (ICMEET-2019)	International	24-Jun-20	978-981-15- 3827-8, pp.163-173	Scopus	https://doi.org/10.1007/978-981-15-3828-5_18
51	P. Kishore, Ch. U. Kumari, M. N. V. S. S. Kumar, T. Pavani	Conference	Detection and Analysis of Alzheimer's Diseases using various Machine Learning Algorithms	International Conference on Advances in Materials Research (ICAMR-2019)	International	6-7 Dec. 2019	22147853	Scopus	10.1016/j.matpr .2020.07.645
52	Srinivasa Rao Patri and Dr.L.Nithyanandan	Journal	Energy Efficient Data Transmission for Narrow Band- IOT Devices using Double Auction	Grenze International Journal of Engineering and Technology	International	Jul-19	Grenze ID: 01. GIJET.5.2.508 _1,Pg:171 to 176	Scopus	Grenze ID: 01. GIJET.5.2.508_ 1,Pg:171 to 176

53	Nandhaiahgari Dinesh Kumar, Rajendra Prasad Somineni, CH. Raja Kumari	Journal	Design and analysis of different full adder cells using New Technologies	International Journal of Reconfigurable and Embedded Systems (IJRES)	International	Jul-20	Vol. 9, No. 2, pp. 116~124	Scopus	10.11591/ijres.v9.i2.pp116-124
54	Kedar Nath Sahu, Challa Dhanunjaya Naidu, Ravindharan Ethiraj, and Jaya Sankar Kottareddygari	Conference	Simulation for Frequency Response of Transmission of UWB Signal in a Beating Heart	Beating Heart Authorea	International	February 10, 2020		Google Scholar	10.22541/au.158136923.35382423
55	Pradeep Kumar, Subodh Srivastava, Y. Padma Sai	Book Chapter	Basic Understanding of Medical Image Processing	AAP (Apple Academic Press), Taylor and Francis Group Publisher	International	2019-2020	9781774637227	Google Scholar	
56	Mamunooru, C.M., Attada, S., Kodali, S.V., Tumma, M.R., Dash, S.K., Padma Sai, Y.	Book Chapter	Smart meter using Raspberry pi for Efficient Energy Utilization	Data Intelligence and Cognitive Informatics. Algorithms for Intelligent Systems	International	April 27,2020	-	Google Scholar	https://doi.org/10.1007/978-981-15-8530-2_12
57	G. Jagga Rao, Dr.Y. Chalapathi Rao, Dr. Anupama Desh Pande	Journal	A Novel Approach for High Secured Image Transmission in 6G via MIMO-OFDMA process in NCHAOS Encryption Algorithm	The International journal of analytical and experimental modal analysis V	International	Oct, 2019	Volume 9- Issue 10, pp. 1481-1492, 0886-9367	Google Scholar	18.0002.IJAEM A.2019.V11I10. 208301.3792
58	K.Anupama, Dr.Y. Chalapathi Rao, G.Vijay Kumar	Journal	Automation Of Industrial Parameters Using IoT with Raspberry Pi	Alochana Chakra Journal	International	April, 2020	Volume IX, Issue IV,2231-3990	Google Scholar	
59	G Radha Krishna, R Krishnan, V K Mittal	Conference	Non-native Accent Partitioning for Speakers of Indian Regional Languages	16th Intl. Conference on Natural Language Processing	International	Dec-19		Google Scholar	https://aclanthology.org/2019.icon-1.8.pdf
60	Narra Dhanalakshmi, Y. Madhavee Latha, Avula Damodaram, Islavath Prabhakar	Conference	Optical Flow Based Video Content Representation Using Histograms	5th International Conference on Signal Processing, Communications and System Design (ICSPCOMSD-19)	International	6th -7th December 2019	PP:169-173, ISBN: 978-93-88808-46-0	Google Scholar	

61	C. Aravind Sai, Dr. P. Kishore, C. Sai Eka Vardhan, G. Subhash; 5P. Geethika Sri	Journal	Alzheimer's disease detection using different machine learning algorithms	The International journal of analytical and experimental modal analysis	International	Apr-20	Volume-12, Issue-4, pp.7731-7735, ISSN NO:0886-9367	UGC	
62	Sirisha Jadav, Chathrapathi Nikhil Kandagatla, Vagdevi Ganta, Kavitha Siddham, Santosh Kumar choudhary	Journal	Design of Low Power D Flip-Flop Circuit for Phase Detector	Alochana Chakra Journal	International	May-20	Volume IX, Issue V, May/2020, ISSN NO:2231-3990	Google Scholar	
63	Remalli Rohan, D. Santhosh Kumar, and Srinivasa Rao Patri	Journal	Various Methods for Identification of Obstructive Sleep Apnea Using Electrocardiogram Features	Journal of Scientific Research	International	2019-2020	Volume 64, Issue 1, 2020	Google Scholar	http://dx.doi.org/10.37398/JSR.2020.640151
64	P Archana	Journal	Video Quality Appraisal Based on ML Modeling in Wireless Networks	Journal of Telecommunication Study	National	Jul-05	Vol: 4, Issue: 3, Year: 2019, Page No: 34 - 39.	Google Scholar	DOI:10.5281/Zenodo.3583482
65	K Sudha Rani, K Mani Kumari, K Aruna Kumari, T Gana Prakash	Conference	3D Tumor Segmentation using surface rendering technique	ICCCS 2018	International	22-Oct-19	978-0-429-44427-2	Google Scholar	https://doi.org/10.1201/9780429444272
66	Etukala Jaswanth Reddy, Padhuri Vavaneeth Reddy, Govindula Maithreyi, M. Bharath Chandra Balaji, Santanu Kumar Dash, K. Aruna Kumari	Conference	Development and Analysis of Pothole detection and Alert based on NodeMCU	International Conference on Emerging Trends in Information Technology and Engineering (IC-ETITE-2020)	International	May-20	978-1-7281-4142-8	Google Scholar	10.1109/ic-ETITE47903.2020.347
67	Vemula Yakub Reddy, Mangipudi Pavan Kumar, Mankala Sushma, Gurindagunta Kiran, Vijaya Kumar Gurralla	Journal	Speech Based Emotion Detection System Using Mfcc	International Research Journal of Engineering and Technology (IRJET)	International	May-20	Vol:07, no: 05, pp:4329-4332, 2395-0056	Google Scholar	

68	Mangipudi Pavan Kumar, Vemula Yakub Reddy, Mankala Sushma, Gurindagunta Kiran, Vijay Kumar Gurrala	Journal	Automated Irrigation System for Agricultural Crop Field Monitoring using GSM Module and Wireless Network Sensors	International Research Journal of Engineering and Technology (IRJET)	International	May-20	Vol:07, no: 05, May 2020, pp:4333-4337	Google Scholar	
69	M. Sunil, M. Prudhvi, Y. Stella Kavya, V. Sangameshwar Reddy	Journal	Gain quality detection using image processing and neural network	Alochana Chakra Journal	International	Apr-20	2231-3990, Vol. IX, Issue no. IV	Google Scholar	
70	Nikhil Reddy, K. Sangeetha, Sreeja Allam, M. Chinmay, C. Bhavani, Ravi Verma	Journal	Spectral Efficiency of Non-Orthogonal Multiple Access over Orthogonal Frequency Division Multiple Access	The International Journal of Analytical and Experimental Modal analysis	International	April-2020	Volume XII, Issue IV, Page No: 1811-1814, ISSN NO:0886-9367	Google Scholar	
71	Sravanth kumar, Prem Kumar, Rohit tanwar, Bharat Gupta	Journal	Eye blink Robot control using Brain Computer Interface for Healthcare applications	International Journal of Mobile Devices, Wearable Technology, and Flexible Electronics	International		2411-7145	Google Scholar	10.4018/IJMD WTFE.2019070103
72	Bashakarla Karthik, C Kaushik, Mahe Jabeen, Regalla Prapoom	Journal	Network Intrusion Detection Using Machine Learning	International Journal of Analytical and Experimental Modal Analysis	International	Apr-20	Volume 12, Issue 4; pp. 1815-1818, 0886-9367	UGC	
73	Bendalam Alekhya Yatagiri Manasa Chidri Srihari Kathroj Manasa	Journal	Efficient Implementation of Human FPGA Video Stream Detection	Alochana Chakra Journal	International	May-20	Volume IX and Issue V Page no 949-953, 2231-3990	Google Scholar	
74	Krishna Viswanth K, Santanu Kumar Dash, Geshma Kumari R	Conference	Development and Analysis of Power Quality by using Fuel cell-based Shunt Active Power Filter	2nd IEEE International Conference on Innovative Mechanisms for Industry Applications (ICIMIA) - 2020, Bangaluru, April. 2020	International	23-Apr-20	978-1-7281-4167-1	Google Scholar	10.1109/ICIMI A48430.2020.9074886
75	Santanu Kumar Dash, Garg Priyanka	Conference	A Detailed Review on Intelligent Maximum Power Point Tracking Algorithms	2nd IEEE International Conference on Innovative Mechanisms for Industry Applications (ICIMIA) - 2020, Bangaluru, April. 2020	International	April 27, 2020	978-1-7281-4167-1	Google Scholar	10.1109/ICIMI A48430.2020.9074861

76	S. Shilparani, Dr. V. Padmaja	Journal	Novel Architecture of Optimized FIR Filter for Fixed and Reconfigurable Application	International Journal of Engineering Science and Generic Research	International	Jan.-2019	ISSN: 2456-043X, Vol. 6, Issue 4	Google Scholar	https://www.ijesar.in/index.php/ijesar/article/view/178
77	Dr P Kishore	Book	Design of Low Power and High-Performance Logic Circuits	Lambert Academic Publishing	International	2019	978-613-9-44868-4	Google Scholar	--



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Faculty Publications in the Academic Year 2018-2019

S. No.	Name of author/s	Journal/Conference/Book Chapter	Title of the paper	Name of the Journal/Conference	National/International	Year of Publication	Vol. no., Issue no., Pg. no. ISBN/ISSN Number	Indexing	DOI of paper
1	M. Praveena, N. Balaji, C. D. Naidu	Journal	Hardware efficient block matching algorithm based on modified differential evolution optimization for fast motion estimation	Analog Integrated Circuits and Signal Processing	International	19 November 2018	Vol. 100, Issue. 2, pp 389–404, 09251030	SCIE (Q3)	https://doi.org/10.1007/s10470-018-1348-5
2	Sravanth Kumar Ramkuri, Dr. Mahesh Chandra, Dr. Bharath Guptha	Journal	Characterization of Human Behavior state using Machine Learning Approaches for Wireless EEG Monitoring	Journal of Web Engineering	International	2018-2019	Vol.17, Issue-6, pp..3715-3735	SCIE (Q3)	
3	R Vijaya Saraswathi, L Padma Sree and K. Anuradha	Journal	Multistage key management scheme for cluster based WS	International journal of Communication networks and information security	International	December -2018	Vol. 10, No.3,	Scopus (Q3)	https://www.researchgate.net/publication/330192834_Multi-stage_key_management_scheme_for_cluster_based_WS_N

4	S. Nageswara Rao, K. Jaya Sankar, C.D. Naidu	Journal	An Improved Bi-Level Thresholding Based Uncertainty Evaluation for Speech Enhancement in Non-Stationary Noises	International Journal of Engineering & Technology	International	2018-2019	Vol. 7, pp. 436-443, 2227-524X	Scopus (Q4)	10.14419/ijet.v7i2.24.12130
5	M. V. R. Manimala , C. Dhanunjaya Naidu, M. N. Giri Prasad	Journal	Convex optimization and greedy iterative algorithms for dictionary learning in the presence of Rician noise	International Journal of Engineering & Technology	International	2018-2019	vol. 7 (4), pp. 4922-4929, 2227-524X	Scopus (Q4)	10.14419/ijet.v7i4.15768
6	M. V. R. Manimala, C. Dhanunjaya Naidu and M. N. Giri Prasad	Book Chapter	Dictionary Learning-Based MR Image Reconstruction in the Presence of Speckle Noise: Greedy Versus Convex	Soft Computing and Signal Processing, Advances in Intelligent Systems and Computing	International	2018-2019	978-981-13-3393-4_55	Scopus (Q4)	https://doi.org/10.1007/978-981-13-3393-4_55
7	V. Priyanka Brahmaiah ,Dr. Y. Padma Sai, Dr. M .N. Giriprasad	Journal	Performance Analysis of EOG through Eye Movements	Journal Of Advance Research in Dynamical & Control Systems	International	2018-2019	Vol-10, Issue-14,2018, ISSN:1943-023X	Scopus (Q4)	
8	Vijayakumar Gurrula, Padmasai Yarlagadda, Padmaraju Koppireddi	Journal	Wavelet Domain Extraction of Features from single channel Sleep EEG	International Journal of Innovative Technology and Exploring Engineering	International	March-2019	ISSN: 2278-3075, Volume-8 Issue-4S2	Scopus (Q4)	D1S0049028419/19@BEIES P
9	L. V. Rajani Kumari, Y. Padma sai, N. Balaji	Journal	Performance evaluation of Neural Networks and Adaptive Neuro Fuzzy Inference System for Classification of Cardiac Arrhythmia	International Journal of Engineering & Technology	International	2018-2019	e-ISSN: 0975-4024 p-ISSN: 2319-8613	Scopus (Q4)	DOI: 10.14419/ijet.v7i4.22.28707
10	Ranjan K. Senapati, G. Sucharitha,	Journal	A self-adaptive optimisation for diabetic retinopathy detection with neural classification	International Journal of nano and Biomaterials	International	2018-19	Vol.8 No.3/4, 17528933	Scopus (Q4)	10.1504/IJNB M.2019.104935
11	G. Jagga Rao, Y. Chalapathi Rao	Journal	Robust bit error rate optimization for MASSIVE MIMO CEM system using channel coding method	International Journal of Innovative Technology and Exploring Engineering	International	March-2019	Volume-8 Issue-4S2, pp.180-184, 2278-3075	Scopus (Q4)	
12	K. Sarath Chandra, K Hari Kishore	Journal	Physical Design Implementation of High-Performance CMOS Dynamic Latch Comparator	Jour of Adv Research in Dynamical & Control Systems	International	2018-2019	ISSN 1943-023X, Vol-10	Scopus (Q4)	https://www.researchgate.net/publication/327646066_Physical_Design_Implementation

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13	Nageshwar V, Y. Padma Sai and.K. Subba Rao	Journal	Epilepsy detection in EEG using firefly-based feature selection and random forest classifier	International Journal of Control and Automation	International	2018-2019	Vol. 12, No.5, (2019), pp. 314-326	Scopus (Q4)	http://sersc.org/journals/index.php/IJCA/article/view/1989
14	Nageshwar V, Y.Padma Sai and .K.Subba Rao	Journal	Epileptic seizure detection using orthogonal local preserving projection and k-nearest neighbors' classifier	International Journal of Control and Automation	International	2018-2019	Vol. 12, No. 5, (2019), pp. 299-313	Scopus (Q4)	http://sersc.org/journals/index.php/IJCA/article/view/1988
15	K. Kalyan Srinivas, T. Venkata Ramana	Journal	Unprecedented changes in microwave signals of rain and cloud attenuation data at MCF-Hassan before the onset of Hudhad cyclone at Visakhapatnam	Journal Of Advance Research in Dynamical & Control Systems	International	June-19	ISSN 1943-023X, Vol-11	Scopus (Q4)	https://www.jardcs.org/abstract.php?id=1422#
16	Bepari, D., Pradeep Kumar, Dr. Santosh Kumar Choudhary	Conference	Impact of Primary Users Duty Cycle on Optimum Secondary Users in Cognitive Radio Systems	2018 9th International Conference on Computing, Communication and Networking Technologies (ICCCNT)	International	10-12 July 2018	978-1-5386-4430-0	WoS	10.1109/ICCCNT.2018.8493839
17	Shankaranand Jha, Dr. Santosh Kumar Choudhary	Conference	Impact of Device Parameters on the Threshold Voltage of Double-Gate Tri-Gate and Gate-All- Around MOSFETs	2018 IEEE Electron Device Kolkata Conference	International	25 Nov 2018	978-1-5386-6415-5	WoS	10.1109/EDKCON.2018.8770425
18	B B Shabarinath; Kaushik Challagulla; Majety Ramsankar Visodhan	Conference	A Comparative Study of Epileptic Seizure Detection Framework using SVM and ELM	2019 International Conference on Intelligent Computing and Control Systems (ICCS)	International	15-17 May 2019	ISBN:978-1-5386-8113-8	WoS	10.1109/ICCS45141.2019.9065458
19	L Padma Sree, K. Aruna Kumari	Book Chapter	A Deep Learning Approach for Segmenting Time-Lapse Phase Contrast Images of NIH 3T3 Fibroblast Cells	The 2018 International Conference on Computational Vision and Bio Inspired Computing	International	2018-2019	978-3-030-41862-5	Scopus	https://doi.org/10.1007/978-3-030-41862-5_86

20	Ranjan K. Senapati, G. Sucharitha,	Conference	Local Extreme Co-occurrence Edge Binary Pattern for Bio-medical Image Retrieval	2019 Second International Conference on Advanced Computational and Communication Paradigms (ICACCP)	International	25-28 Feb. 2019	978-1-5386-7989-0	Scopus	10.1109/ICACCP.2019.8882988
21	Santhosh N Randive, Ranjan K Senapati, Nilesh Bhosle	Conference	Spherical Directional Feature Extraction with Artificial Neural Networks for Diabetic Retinopathy Classification	International Conference on Industrial and Information system	International	27-May-2019	978-1-5386-8492-4	Scopus	10.1109/ICIINFS.2018.8721392
22	Dr. Y. Chalapathi Rao Dr. P. Kishore Dr. S. Rajendra Prasad	Journal	Riverbed modeler simulation-based performance analysis of routing protocols in mobile Ad hoc networks	International Journal of Recent Technology and Engineering	International	March-2019	Volume-7, Issue-6S , 2277-3878	Scopus	https://doi.org/10.35940/ijrte.2277-3878
23	Dr. P. Kishore Dr. S. Rajendra Prasad Dr. Y. Chalapathi Rao	Journal	Low power and high-speed synchronous carry generate adder using modified gate diffusion input technique	International Journal of Engineering and Advanced Technology	International	January-19	Volume-8, Issue-2S2, pp.192-196, 2249-8958	Scopus	https://doi.org/10.35940/ijeat.2249-8958
24	Dr. S. Rajendra Prasad Dr. P. Kishore Dr. Y. Chalapathi Rao	Journal	Performance comparison for ripple carry adder using various logic design	International Journal of Innovative Technology and Exploring Engineering	International	March-2019	Volume-8 Issue-4S2, 2278-3075	Scopus	https://doi.org/10.35940/ijite
25	Vasagiri Krishnasre, Ghanta Sahitya and Challagulla Kaushik	Journal	Image Based Street Light Block Out Monitoring	Asian Research Publishing Network	International	2018-2019	ISSN 1819-6608, Vol-13, No-14	Scopus	https://www.researchgate.net/publication/326982223_Image_based_street_light_block_out_monitoring
26	G. Radha Krishna, R. krishnan, V K Mittal	Conference	Prosodic Analysis of Non-Native South Indian English speech	International workshop on spoken language technologies for under-resourced languages	International	August-18	10.21437/SLTU.2018-15, pp: 71--75	Scopus	doi: 10.21437/SLTU.2018-15
27	Dr. Santosh Kumar Choudhary	Book Chapter	CdS/ZnSe-Based multicolor quantum well infrared photodetector for infrared application	Advances In Computer Communication and Control	International	2018-2019	978-981-13-3121-3	Scopus	https://doi.org/10.1007/978-981-13-3122-0_50

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29	K. Shravya, Y. Mandapati, D. Keerthi, K. Karika, R. K. Senapati	Conference	Smart Helmet for Safe Driving	International Conference on Sustainable Energy and Future Electric Transportation (SAFET-2019)	International	February. 14-16 2019.	22671242	Scopus	10.1051/e3sconf/20198701023
30	V. Sagar Reddy, Gujjula Ramya, V. Moneesh Reddy	Journal	Greenhouse Environment Monitoring and Automation using Intel Galileo gen and IoT	International Journal of Innovative Technology and Exploring Engineering	International	May-2019	ISSN: 2278-3075, Volume-8 Issue-7S2.	Scopus	G10940587S219/19©BEIESP
31	M. Devi Priya, Ch. Nagadeepa, Dr. N. Balaji, Dr. V. Padmaja	Conference	Implementation of IoT Based Ambient Assisted Living Using Raspberry Pi	2018 International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering (ICRIEECE)	International	27-28 July 2018	978-1-5386-5995-3	Google Scholar	--
32	Sravanth Kumar Ramakuri, Anudeep Peddi, K. S. Nishanth Rao, Bharat Gupta & Sanchita Ghosh	Book Chapter	Performance and Analysis of Human Attention Using Single-Channel Wireless EEG Sensor for Medical Application	First International Conference on Artificial Intelligence and Cognitive Computing	International	05-Nov-18	10.1007/978-981-13-1580-0_34	Google Scholar	https://doi.org/10.1007/978-981-13-1580-0_34
33	G. Surekha, Dr. N. Balaji, Dr. Y. Padma Sai	Journal	PVT Variations and Process Corners for a Low Leakage Power 7T SRAM Cell	IJRACE	International	2018-2019	Vol-7, Issue-2, ISSN:2348-2281	Google Scholar	http://nebula.wsimg.com/2d2c100e75360c97cc97b1ef434afad8?AccessKeyId=DFB1BA3CED7E7997D5B1&disposition=0&alloworigin=1
34	B. Venkataraman, L. Padmasree, M. Srinivasa Rao, G. Ganesan	Journal	Parameterized Rough-Fuzzy Classification Using Two Thresholds-Algorithms and Implementations using C	International Journal of Computational Intelligence & IOT	International	2018-2019	pp. 278-282	Google Scholar	https://ssrn.com/abstract=3354735

35	G. Jagga Rao, Dr. Y. Chalapathi Rao	Journal	Robust Analysis of Minimizing PAPR Reduction by Using Low Density Symbol Check	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	International	June-2018	Volume 3 Issue 5, pp. 1104-1109, 2456-3307	Google Scholar	DOI : 10.32628/CSE IT11835264
36	Dr. Y. Chalapathi Rao Dr. P. Kishore	Journal	An Efficient Test Data Compression Scheme Using Optimal Selective Huffman Coding	International Journal of Research	International	November- 2018	Volume 7, Issue XI, 2236-6124	Google Scholar	--
37	G. Jagga Rao, Dr. Y. Chalapathi Rao	Journal	Artificial Intelligence & Machine Learning Based Wireless MIMO- OFDM Communication system in JAG6G Analysis	International Journal of Research	International	May-19	Volume 8-Issue 4, pp. 3740-3755, 2236-6124	Google Scholar	--
38	G. Radha Krishna, R. krishnan, V K Mittal	Conference	Native Language Identification from South Indian English speech	Workshop on Machine Learning in Speech and Language Processing (MLSLP) Google, Hyderabad	International	September -18	--	Google Scholar	https://sites.google.com/view/mlslp/home
39	M. Malavika1, Dr.P. Kishore	Journal	Implementation of Symbol Synchronizer using Zynq Soc	International Journal of Management, Technology and Engineering	International	2018-2019	ISSN:2249-7455, Vol-8, Issue-X	Google Scholar	http://ijamtes.org/gallery/68.%20oct%20ijmte%20-%201082.pdf
40	Mr. P. Kishore	Journal	FPGA Implementation of VLSI Architecture for Random Early Detection Gateways for Congestion Avoidance	International Journal of Research	International	2018-2019	Volume 7, Issue XII, December/2018, 2236-6124	UGC	http://ijrpublisher.com/gallery/306-december-2018.pdf
41	Mr. P. Kishore	Journal	Design of Low Power and High- performance NAND Based Flip- Flops Using Mod- GDI Technique	Journal of Applied Science and Computations	International	2018-2019	Volume V, Issue XII, December/2018, 1076-5131	UGC	http://www.j-asc.com/gallery/281-december-2018.pdf
42	Dr. S. Rajendra Prasad Dr. P. Kishore Dr. Y. Chalapathi Rao	Conference	Performance Comparison for Ripple Carry Adder Using Various Logic Design	International Conference on Advances in Signal Processing, Power, Embedded, Soft Computing, Communication and Control Systems	International	11-12, Jan 2018	ISSN: 2278-3075, Volume-8 Issue- 4S2	Google Scholar	D1S00810284 19/19©BEIES P

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44	K.L.V Ramana Kumari, M. Asha Rani, N. Balaji & SK. Salauddeen	Journal	FPGA Implementation of NPSF Testing using Block Code Technique	Global Journal of Computer Science and Technology	International	2018-2019	Online ISSN: 0975-4172 & Print ISSN: 0975-4350, Vol-18, Issue-3	Google Scholar	https://computerresearch.org/index.php/computer/article/view/1709
45	Peddapalli Rakesh & K. Sarath chandra & K. Swetha	Journal	CMOS Realization of An Amplifier-Free Pipeline-Sar Adc Architecture for Low Power Applications	International Journal of Research and Analytical Reviews	International	2018-2019	e ISSN 2348 – 1269, Print ISSN 2349-5138, Vol-5	UGC	https://www.researchgate.net/publication/332092577_CMOS_REALIZATION_OF_AN_AMPLIFIER-FREE_PIPELINE-SAR_ADC_ARCHITECTURE_FOR_LOW_POWER_APPLICATIONS
46	M. Rama Devi, G. Ramya, G. Shanthi	Journal	Voice Acknowledgement based Remote Home Computerisation Framework	International Journal of Research	International	March-2019	2236-6124	UGC	--
47	K. Deepthi	Journal	Trash Barrel Management System	Journal of Emerging Technologies and Innovative Research	International	2018-2019	Vol.5, Issue 8, page no. pp218-220, ISSN:2349-5162	UGC	http://www.jetir.org/papers/JETIR1808672.pdf
48	Kumar R Sravanth, Anudeep Peddi, G Sudha Sagar, Bharat Gupta, Chinmay Chakraborty	Conference	Comparison of Attention and Meditation Based Mobile Applications by Using EEG Signals	2018 Global Wireless Summit (GWS)	International	11-April-19	978-1-5386-4288-7	Google Scholar	10.1109/GWS.2018.8686634

49	Sravanth Kumar Ramkuri, Dr. Mahesh Chandra, Dr. Bharath Guptha	Book Chapter	Classification algorithm for EEG based brain computer interface	Advanced classification techniques for health care analysis	International	2018-2019	9781522577973	Google Scholar	DOI: 10.4018/978-1-5225-7796-6.ch003
50	Sravanth Kumar Ramakuri, Anudeep Peddi, K. S. Nishanth Rao, Bharat Gupta & Sanchita Ghosh	Conference	Performance and Analysis of Human Attention Using Single-Channel Wireless Electroencephalogram Sensor for Medical Application	First International Conference on Artificial Intelligence and Cognitive Computing	International	05-November-18	978-981-13-1580-0_34	Google Scholar	https://doi.org/10.1007/978-981-13-1580-0_34
51	V. Sagar Reddy, Dr. Santosh Kumar Choudhary, Dr. Pushpa Giri	Conference	Surface and Optical Characterization of TiO2 Thin Films Deposited by RF Sputtering	2nd International Conference on Nano Science & Engineering Applications - 2018, JNTUH, India	International	4-6, October 2018	--	Google Scholar	--