



## 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  
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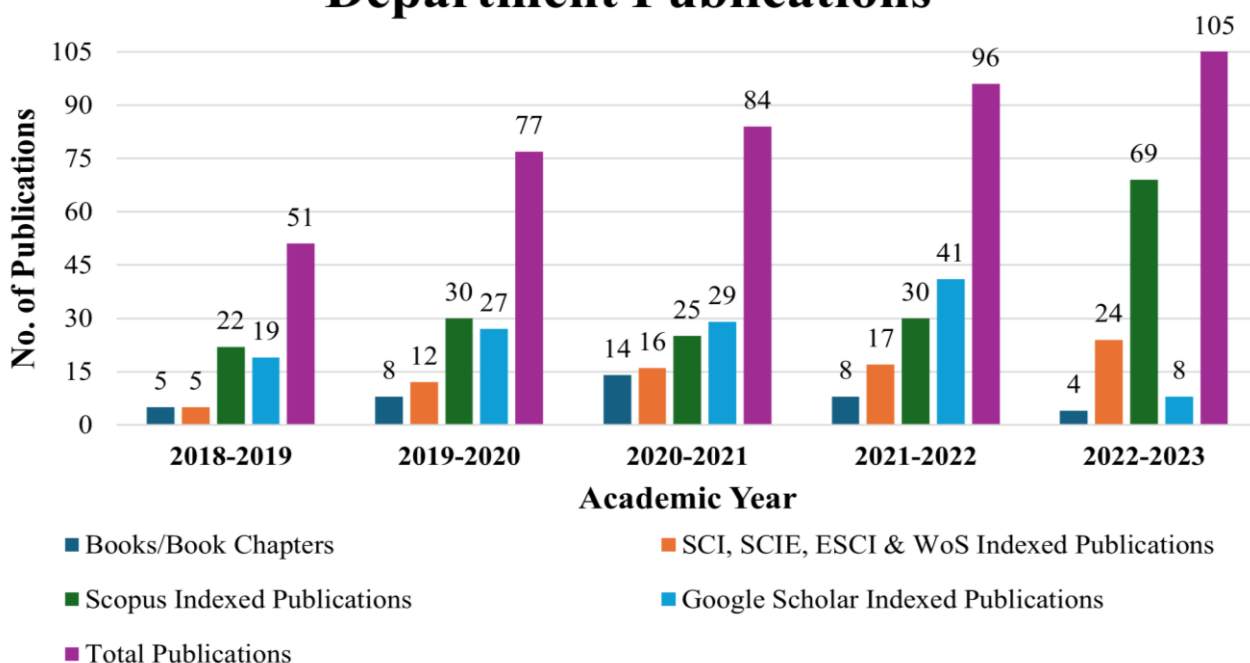


### Department of Electronics and Communication Engineering

#### Department Publications Summary Sheet

| Academic Year<br>Description                   | 2018-<br>2019 | 2019-<br>2020 | 2020-<br>2021 | 2021-<br>2022 | 2022-<br>2023 | Total       |
|--|---------------|---------------|---------------|---------------|---------------|-------------|
| SCI, SCIE, ESCI & WoS Indexed Publications     | 05            | 12            | 16            | 17            | 24            | 74          |
| Scopus Indexed Publications                    | 22            | 30            | 25            | 30            | 69            | 176         |
| UGC CARE & Google Scholar Indexed publications | 19            | 27            | 29            | 41            | 08            | 124         |
| Books/Book Chapters                            | 05            | 08            | 14            | 08            | 04            | 39          |
| <b>Total Publications</b>                      | <b>51</b>     | <b>77</b>     | <b>84</b>     | <b>96</b>     | <b>105</b>    | <b>413</b>  |
| <b>Citations</b>                               | 274           | 289           | 671           | 935           | 950           | <b>3119</b> |

### Department Publications



Prepared by  
Dr. Pradeep Kumar

Verified by  
Dr. L. Padma Sree

Approved by  
Dr. S. Rajendra Prasad



# 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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## Faculty Publications in the Academic Year 2022-2023

| 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      | A. Ramesh Kumar; K. Hemanth Lakshmi Phani Prasad; B. Sriraj; P. Raja Rajasri | Conference                      | FPGA Implementation of Systolic FIR Filter Using Single-Channel Method                 | 2023 13th International Conference on Cloud Computing, Data Science & Engineering (Confluence) | International          | 22-Feb-23           | 978-1-6654-6263-1                              | Scopus   | 10.1109/Confluence56041.2023.10048843   |
| 2      | Aytha Ramesh Kumar, K. Lal Kishore, and Parepalli Sravanthi                  | Book Chapter                    | Realization of 5G NR Primary Synchronization Signal Detector Using Systolic FIR Filter | Machine Learning, Image Processing, Network Security and Data Sciences                         | International          | 01-Jan-23           | 978-981-19-5868-7                              | Scopus   | <a href="https://doi.org/10.1007/978-981-19-5868-7_65">https://doi.org/10.1007/978-981-19-5868-7_65</a> |

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|---|---|------------|--|--|---------------|-----------|--------------------|------------|---|
| 3 | Aytha Ramesh Kumar; Yadavalli Sharmila  | Conference | FPGA Implementation of High Performance Hybrid Encryption Standard                         | 2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMAACC) | International | 17-Apr-23 | 978-1-6654-9604-9  | Scopus     | 10.1109/ICMAACC54824.2022.10093505  |
| 4 | Design and Performance Analysis of 32 32 Memory Array SRAM for Low-Power Applications   | Journal    | Design and Performance Analysis of 32 32 Memory Array SRAM for Low-Power Applications      | Electronics (MDPI)   | International | Feb-23    | 2079-9292, 12, 834 | SCI(Q2)    | <a href="https://doi.org/10.3390/electronics12040834">https://doi.org/10.3390/electronics12040834</a> |
| 5 | Aruru Sai Kumar <sup>1</sup> , N. Neelima <sup>2</sup> , B. Seetharamulu <sup>3</sup> , Namgiri Suresh <sup>4</sup> and S. Siva Priyanka <sup>5</sup> | Conference | A Novel RRAM-based FPGA architecture with Improved Performance and Optimization Parameters | 2022 IEEE 19th India Council International Conference (INDICON)  | International | 16-Feb-23 | 978-1-6654-7350-7  | Scopus/WoS | 10.1109/INDICON56171.2022.10040133  |
| 6 | B. Naresh Kumar Reddy; Aruru Sai Kumar  | Conference | An Efficient Low-Power VIP-based VC Router Architecture for Mesh-based NoC                 | 2022 IEEE 19th India Council International Conference (INDICON)  | International | 16-Feb-23 | 978-1-6654-7350-7  | Scopus/WoS | 10.1109/INDICON56171.2022.10040017  |
| 7 | Aruru Sai Kumar; V. Santhosh Kumar; V. Hindumathi; G. Shanthi; E Vijaya Babu; M. Raju   | Conference | An Efficient AVR interfaced bluetooth controlled Robotic Car system                        | 2023 13th International Conference on Cloud Computing, Data Science & Engineering (Confluence)                                 | International | 22-Feb-23 | 978-1-6654-6263-1  | Scopus/WoS | 10.1109/Confluence56041.2023.10048798   |
| 8 | Siva Ramakrishna Pillutla; Gunnam Suryanarayana; Aruru Sai Kumar; Sudha Ellison Mathe; Bandi Narasimha Rao  | Conference | Mongoose OS Prototyped ESP8266 Based Weather Forecaster                                    | 2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMAACC) | International | 17-Apr-23 | 978-1-6654-9604-9  | Scopus/WoS | 10.1109/ICMAACC54824.2022.10093640  |

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|----|--|------------|---|--|-------------------|------------------|-----------------------|----------------|---|
| 9  | K. Raghava Rao1 ·<br>B. Naresh Kumar<br>Reddy2 · Aruru Sai<br>Kumar3                   | Journal    | Using advanced<br>distributed energy<br>efficient clustering<br>increasing the<br>network lifetime in<br>wireless sensor networks | Soft Computing   | Internationa<br>1 | 05-Mar-23        | 1432-7643             | SCIE(Q<br>2)   | <a href="https://doi.org/10.1007/s00500-023-07940-4">https://doi.org/10.1007/s00500-023-07940-4</a> |
| 10 | N. Neelima; Y.<br>Ravikumar  | Conference | Performance Evaluation<br>of Clustering Based Tone<br>Mapping Operators with<br>State-of-Art Methods                              | 2023 13th<br>International<br>Conference on<br>Cloud Computing,<br>Data Science &<br>Engineering<br>(Confluence)                                   | Internationa<br>1 | 22-Feb-23        | 978-1-6654-<br>6263-1 | Scopus         | 10.1109/Co<br>nfluence560<br>41.2023.100<br>48838   |
| 11 | Dr. K. Anitha<br>Sheela, Chevella<br>Anil Kumar, Jella<br>Sandya, Gaddam<br>Ravindra   | Conference | Indian Sign Language<br>Translator  | 2022 IEEE<br>International<br>Symposium on<br>Smart Electronic<br>Systems (iSES)   | Internationa<br>1 | 02-Feb-23        | 979-8-3503-<br>9922-6 | Scopus         | 10.1109/iSE<br>S54909.202<br>2.00015  |
| 12 | Chevella Anil<br>Kumara; Kancharla<br>Anitha Sheelab;<br>Naveen Kumar<br>Vodnalac      | Conference | Analysis of Emotions<br>from Speech using<br>Hybrid Deep Learning<br>Network Models   | 2022 International<br>Conference on<br>Futuristic<br>Technologies<br>(INCOFT)  | Internationa<br>1 | 13 April<br>2023 | 978-1-6654-<br>5046-1 | Scopus         | 10.1109/IN<br>COFT5565<br>1.2022.1009<br>4442   |
| 13 | Ranjan K. Senapati,<br>Rohit Badri,<br>Anudeep Kota,<br>Nithin Merugu,<br>Suraj Sadhul | Conference | Compression and<br>Denoising of Medical<br>Images Using<br>Autoencoders   | 2022 International<br>Conference on<br>Recent Trends in<br>Microelectronics,<br>Automation,<br>Computing and<br>Communications<br>Systems (ICMACC) | Internationa<br>1 | 17-Apr-23        | 978-1-6654-<br>9604-9 | Scopus/<br>WoS | 10.1109/IC<br>MACC5482<br>4.2022.1009<br>3634   |
| 14 | Y. Chalapathi Rao,<br>P. Lavanya, V. Sagar<br>Reddy, V. Naveen<br>Kumar                | Conference | A DEEP LEARNING<br>APPROACH LUNG<br>SEGMENTATION AND<br>PNEUMONIA<br>DETECTION FROM X-<br>RAYS                                    | 2022 International<br>Conference on<br>Recent Trends in<br>Microelectronics,<br>Automation,<br>Computing and<br>Communications<br>Systems (ICMACC) | Internationa<br>1 | 17-Apr-23        | 978-1-6654-<br>9604-9 | Scopus/<br>WoS | 10.1109/IC<br>MACC5482<br>4.2022.1009<br>3274   |

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|----|--|-----------------|--|--|-------------------|-----------|--------------------------|----------------|---|
| 15 | Hiranmayi Mannem,<br>Y. Chalapathi Rao,<br>K. Swetha Reddy   | Book<br>Chapter | FPGA Based Smart<br>Home Automation<br>Device Controller   | 6th International<br>Online Conference<br>on Electronics,<br>Materials<br>Engineering &<br>Nano-Technology,<br>IEMENTech 2022                      | Internationa<br>1 | 01-Apr-23 | 978-8-7700-<br>4009-9    | WoS/S<br>copus | <a href="https://doi.org/10.13052/rp-9788770040099">https://doi.org/10.13052/rp-9788770040099</a>   |
| 16 | Kishore Pinninti;<br>Sunil Goud<br>Koppula; Abhinav<br>Krishna Narvaneni;<br>Sai Rakesh<br>Gundapuneni;<br>Shivam Madnoorkar | Conference      | Design of Area Efficient<br>Adders using Quantum-<br>dot Cellular Automata<br>(QCA)  | 2022 International<br>Conference on<br>Recent Trends in<br>Microelectronics,<br>Automation,<br>Computing and<br>Communications<br>Systems (ICMAcc) | Internationa<br>1 | 17-Apr-23 | 978-1-6654-<br>9604-9    | Scopus/<br>WoS | 10.1109/IC<br>MAcc5482<br>4.2022.1009<br>3426   |
| 17 | Karnam Akhil; A.<br>Brahmananda<br>Reddy; Archana K<br>Bhange  | Conference      | Semantic Knowledge<br>Base Ontology<br>Framework for<br>Discovery Stage of the<br>Design Thinking Using<br>Web Ontology Language | 2022 4th<br>International<br>Conference on<br>Advances in<br>Computing,<br>Communication<br>Control and<br>Networking<br>(ICAC3N)                  | Internationa<br>1 | 28-Mar-23 | 978-1-6654-<br>7436-8    | Scopus         | 10.1109/IC<br>AC3N5667<br>0.2022.1007<br>4380   |
| 18 | 1Lavanya<br>Shinangaram and<br>2Santhosh Kumar<br>Dhatrika   | Journal         | Detection of COVID-19<br>Using Screen Printed<br>Electrode based<br>Biosensor  | Journal of Machine<br>and Computing  | Internationa<br>1 | 05-Jan-23 | 3(1)(2023),<br>2788-7669 | Scopus         | <a href="https://doi.org/10.53759/7669/jmc202303001">https://doi.org/10.53759/7669/jmc202303001</a> |
| 19 | Santosh Kumar<br>Choudhary; Yesu<br>Nirmala Lekha<br>Chittajallu; Javvaji<br>Anisha; Sai Teja<br>Meka; Bhuvanewa             | Conference      | Segmentation of Brain<br>MRI Images using Deep<br>Learning   | 2022 International<br>Conference on<br>Recent Trends in<br>Microelectronics,<br>Automation,<br>Computing and<br>Communications<br>Systems (ICMAcc) | Internationa<br>1 | 17-Apr-23 | 978-1-6654-<br>9604-9    | Scopus         | 10.1109/IC<br>MAcc5482<br>4.2022.1009<br>3604   |

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|----|--|------------|--|---|---------------|-------------------|--------------------------------------|------------|---|
| 20 | L. V. Rajani Kumari<br>· Y. Chalapathi Rao   | Journal    | ECG beat classification using proposed pattern adaptive wavelet-based hybrid classifiers   | Signal, Image and Video Processing  | International | 11-Mar-23         | 1863-1711                            | SCI (Q2)   | <a href="https://doi.org/10.1007/s11760-023-02501-6">https://doi.org/10.1007/s11760-023-02501-6</a> |
| 21 | S. M. K. Chaitanya1<br>· Nagadeepa Choppakatlal  | Journal    | A novel embedded system for cyber-physical system using crypto mechanism   | Multimedia Tools and Applications   | International | 27-Mar-23         | 1573-7721                            | SCI(Q1)    | <a href="https://doi.org/10.1007/s11042-023-15172-9">https://doi.org/10.1007/s11042-023-15172-9</a> |
| 22 | Dr. V. Mohanraj, * 2<br>Dr. J. NITHYASHRI,<br>3<br>Dr. V. Priyanka Brahmaiah, 4 Dr. A.Shankar, 5 Srithar S,<br>6<br>Mr. David Samuel Azariya | Journal    | Intelligent assistant to predict and control the home appliances in user environment through brain computer interface using hybrid deep learning model | Journal of Complementary Medicine Research  | International | Feb 15, 2023      | ISSN: 2146-8397 Vol. 14, No. 2, 2023 | WoS        | 10.5455/jc mr.2023.14.02.23   |
| 23 | V. Priyanka Brahmaiah; Vijaya Kumar Gurralla; Sai Teja Tuduru; Kakarla Hari Kishore  | Conference | DESIGN OF AREA AND POWER-OPTIMIZED VLSI ARCHITECTURE OF ALUDESIGN USING SIGNED MULTIPLIER  | 2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC) | International | 17-Apr-23         | 978-1-6654-9604-9                    | Scopus/WoS | 10.1109/ICMACC54824.2022.10093559   |
| 24 | Vijayakumar Gurralla,<br>Padmasai Yarlagadda and Padmaraju Koppireddi  | Journal    | Sleep stage based sleep disorder detection using single-channel electroencephalogram   | International Journal of Nanotechnology   | International | February 13, 2023 | Vol.19 No.6/7/8/9/10/11, 1741-8151   | SCIE(Q4)   | <a href="https://doi.org/10.1504/IJNT.2022.128988">https://doi.org/10.1504/IJNT.2022.128988</a>     |

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|----|---|------------|--|--|-----------------|-----------|-------------------|--------|---|
| 25 | J L V Ramana Kumari; B Keerthan; T Nikhil; G. Puneeth Shoury  | Conference | CONVOLUTION MERGING TECHNIQUE FOR IMAGE ENCRYPTION APPLICATION   | 2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMAACC) | International 1 | 17-Apr-23 | 978-1-6654-9604-9 | Scopus | 10.1109/ICMAACC54824.2022.10093653  |
| 26 | Aruna Kumari Kakumani; L. Padma Sree; Chittimalla Sai Krishna; Greeshmitha Uppalapati; Gudimetl Santhoshi Sri Pavithra, Seshadri Harshini | Conference | Semantic Segmentation of Cells in Microscopy Images via Pretrained Autoencoder and Attention Unet                | 2022 International Conference on Machine Learning, Computer Systems and Security (MLCSS)                                       | International 1 | 28-Mar-23 | 978-1-6654-5493-3 | Scopus | 10.1109/MLCSS57186.2022.00025   |
| 27 | K. Jyostna; N. Satwik; Sarepalli Shanmukh Anvesh; G. Sai Anirudh Reddy; M. Bhargav Raj  | Conference | A comparative Survey on Spectrum Sensing Techniques for the Impletation of Cognitive Vehicular Network           | 2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMAACC) | International 1 | 17-Apr-23 | 978-1-6654-9604-9 | Scopus | 10.1109/ICMAACC54824.2022.10093305  |
| 28 | D. Ramesh Reddy; Miriyala Kavya; Saradhi Dharani; Sri Sahithi Tumpudi; Prakash Kodali; N. Sandhya   | Conference | Design and Development of a Low Cost Crop Protection System Using Internet of Things and Machine Learning        | 2022 IEEE International Symposium on Smart Electronic Systems (iSES)   | International 1 | 02-Feb-23 | 979-8-3503-9922-6 | Scopus | 10.1109/iSES54909.2022.00134  |
| 29 | Pradeep Kumar; K. Sangeetha; A. Sai Praneeth; M. Sethu Madhav; T Swaroopa; G Rohit  | Conference | Automatic Detection and Localization of Breast Cancer from Mammogram Imaging Modality using Modified Faster RCNN | 2023 5th International Conference on Smart Systems and Inventive Technology (ICSSIT)   | International 1 | 14-Mar-23 | 978-1-6654-7467-2 | Scopus | <a href="https://doi.org/10.1109/ICSSIT55814.2023.10061000">https://doi.org/10.1109/ICSSIT55814.2023.10061000</a> |

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|----|--|------------|---|--|---------------|--------------|--|------------|---|
| 30 | Manasa Yatagiri;<br>Pitchaiah Telagathoti  | Conference | Fast Convergent Unified Richardson Detection Technique for Massive MIMO Systems                           | 2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMAACC) | International | 17-Apr-23    | 978-1-6654-9604-9                            | Scopus     | 10.1109/ICMAACC54824.2022.10093655  |
| 31 | Srinivas Talasila <sup>1,2</sup> · Kirti Rawal <sup>1</sup> · Gaurav Sethi <sup>1</sup>          | Journal    | Black gram disease classification using a novel deep convolutional neural network                         | Multimedia Tools and Applications  | International | 30-Mar-23    | 15737721                                     | SCI(Q1)    | <a href="https://doi.org/10.1007/s11042-023-15220-4">https://doi.org/10.1007/s11042-023-15220-4</a>               |
| 32 | E Vijaya Babu; Srinivas Talasila; N Divya; S Sunny Deva; Ch Vani                                 | Conference | Analysis of Low-Delay in 64-bit Vedic multiplier based MAC unit   | 2023 International Conference for Advancement in Technology (ICONAT)   | International | 03-Apr-23    | 978-1-6654-7517-4                            | Scopus     | 10.1109/ICONAT57137.2023.10080612   |
| 33 | Helan Satish <sup>1</sup> and Ramasubba Reddy M  | Conference | An In-Silico Study on Effect of KCNQ1 P535T Mutation in Cardiac Ventricular Cells                         | 2022 IEEE-EMBS Conference on Biomedical Engineering and Sciences (IECBES)  | International | Mar-23       | 978-1-6654-9469-4                            | Scopus     | <a href="https://doi.org/10.1109/IECBES54088.2022.10079281">https://doi.org/10.1109/IECBES54088.2022.10079281</a> |
| 34 | Chokkakula Ganesh <sup>1,2</sup> , Fazal Noorbasha <sup>1</sup> , Korlapati Satyanarayana Murthy | Journal    | Reconfigurable negative bit line collapsed supply write-assist for 9T-ST static random access memory cell | International Journal of Electrical and Computer Engineering (IJECE)   | International | Feb 26, 2023 | Vol.13, No.4, pp. 3747~3755, ISSN: 2088-8708 | Scopus(Q3) | 10.11591/ijece.v13i4.p3747-3755   |
| 35 | Helan Satish · Ramasubba Reddy Machireddy  | Journal    | Computational Study on Effect of KCNQ1 P535T Mutation in a Cardiac Ventricular Tissue                     | The Journal of Membrane Biology  | International | 11-May-23    | Volume no: 256, Pages: 287 - 297,            | SCIE       | <a href="https://doi.org/10.1007/s00232-023-00287-9">https://doi.org/10.1007/s00232-023-00287-9</a>               |
| 36 | Sakthivel M a, <sup>*</sup> , SivaSubramanian S b, Priyanka Brahmaiah V c, Hosanna Princye P     | Journal    | Automated detection of cardiac arrest in human beings using auto encoders                                 | Measurement: Sensors   | International | 13-May-23    | Volume 27, 2023, 100792, ISSN 2665-9174,     | Scopus     | <a href="https://doi.org/10.1016/j.measen.2023.100792">https://doi.org/10.1016/j.measen.2023.100792</a>           |



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|----|---|------------|---|--|-------------------|----------------|---------------------------------------|--------|---|
|    | d,<br>Prasad GNR e,<br>Thangamani M f   |            |   |  |                   |                |                                       |        |   |
| 37 | Aruna Kumari<br>Kakumani and L<br>Padma Sree  | Conference | Image Enhancement with<br>Deep Learning and<br>Intensity Transformation<br>of No-Reference<br>Grayscale Fluorescence<br>Microscopy Images | International<br>Conference on<br>Recent Innovations<br>in Computing   | Internationa<br>1 | 17-May-<br>23  | 978-981-99-<br>0600-0                 | Scopus | <a href="https://doi.org/10.1007/978-981-99-0601-7_31">https://doi.org/10.1007/978-981-99-0601-7_31</a> |
| 38 | Naga Sritha M;<br>Naveen Kumar V;<br>Jitesh Nath S; Padma<br>Sai Y; Sai Deva K  | Conference | Recognition of Covid-19<br>using Capsule Neural<br>Networks on Chest X-<br>rays   | 2023 2nd<br>International<br>Conference on<br>Vision Towards<br>Emerging Trends in<br>Communication and<br>Networking<br>Technologies<br>(ViTECoN) | Internationa<br>1 | 26-Jun-23      | 979-8-3503-<br>4798-2                 | Scopus | 10.1109/Vi<br>TECoN581<br>11.2023.101<br>57085  |
| 39 | Raja Kumari<br>Chilukuri, Hari<br>Kishore Kakarla, K<br>Subba Rao   | Journal    | Radar Signal<br>Recognition Based on<br>Multilayer Perceptron<br>Neural Network   | International<br>Journal of Electrical<br>and Computer<br>Engineering Systems  | Internationa<br>1 | 26-01-<br>2023 | 1847-6996,<br>Vol. 14 No. 1<br>(2023) | Scopus | <a href="https://doi.org/10.32985/ijeces.14.1.4">https://doi.org/10.32985/ijeces.14.1.4</a>             |
| 40 | L. N. B. Srinivas1 ·<br>A. M. Viswa<br>Bharathy2 ·<br>Srvanth Kumar<br>Ramakuri3 ·<br>Abhisek Sethy4 ·<br>Ravi Kumar5 | Journal    | An optimized machine<br>learning framework for<br>crop disease<br>detection   | Multimedia Tools<br>and Applications   | Internationa<br>1 | 08-May-<br>23  | 1380-7501,                            | SCIE   | <a href="https://doi.org/10.1007/s11042-023-15446-2">https://doi.org/10.1007/s11042-023-15446-2</a>     |
| 41 | Chevella Anil<br>Kumar & Kancharla<br>Anitha Sheela   | Conference | Development of a Speech<br>to Indian Sign Language<br>Translator  | International<br>Conference on Smart<br>Computing and<br>Communication   | Internationa<br>1 | 15-Jun-23      | 978-981-99-<br>0838-7                 | Scopus | <a href="https://doi.org/10.1007/978-981-99-0838-7_30">https://doi.org/10.1007/978-981-99-0838-7_30</a> |

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|----|--|------------|--|---|---------------|---------------|--|----------------|---|
| 42 | Abolfazl Mehbodniya1* , Julian Webber1 , Appari Geetha Devi2 , Rajendra Prasad Somnini3 , Mangali Chinna Chinnaiah4 , Anju Asokan5 , Koka Shamshad Bha | Journal    | Content-Based Image Recovery System with the Aid of Median Binary Design Pattern       | Traitement du Signal  | International | 30-Apr-23     | Vol. 40, No. 2, April, 2023, pp. 667-674 | SCIE           | <a href="https://doi.org/10.18280/ts.400225">https://doi.org/10.18280/ts.400225</a>   |
| 43 | Y. Sravya Mounika; B B Shabarinath; P. Srinivasa Rao   | Conference | FPGA BASED HARDWARE ACCELERATOR FOR CONVOLUTION NEURAL NETWORK                         | 2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC) | International | 17-Apr-23     | 978-1-6654-9604-9                        | Scopus         | 10.1109/ICMACC54824.2022.10093648   |
| 44 | Konikineni Deepthi, Payyavula Phaneendra, P.Varun Sai, Shaik Mohammed Ismail Sarfaraz  | Journal    | TRAFFIC MANAGEMENT USING INTELLIGENT TRANSPORTATION SYSTEMS AND VANET FUZZY ALGORITHMS | IJRECE  | International | APR-JUNE 2023 | ISSN: 2393-9028, VOL. 11 ISSUE 2         | Google Scholar | <a href="http://nebula.wsimg.com/784b61174efc892ff068b7aace986d12?AccessKeyId=DFB1BA3CED7E7997D5B1&amp;disposition=0&amp;alloworigin=1">http://nebula.wsimg.com/784b61174efc892ff068b7aace986d12?AccessKeyId=DFB1BA3CED7E7997D5B1&amp;disposition=0&amp;alloworigin=1</a> |
| 45 | L Dharma Teja; Middinti Archana Reddy; Bommakanti Pravali; Kolupula Prashanth  | Conference | VLSI Architecture for Fractional-Order Adaptive Filter                                 | 2023 7th International Conference on Trends in Electronics and Informatics (ICOEI)  | International | 24-May-23     | 979-8-3503-9728-4                        | Scopus         | <a href="https://doi.org/10.1109/ICOEI56765.2023.10125691">https://doi.org/10.1109/ICOEI56765.2023.10125691</a>   |

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| 46 | Sohila Kanaparthi;<br>Y. Chalapathi Rao;<br>Kasyap Battula;<br>Sivaditya Kamadi;<br>Ramesh Varma Potti | Conference | APD-based Laser Range-Gating System   | 2023 7th International Conference on Trends in Electronics and Informatics (ICOEI)                         | International | 24-May-23  | 979-8-3503-9728-4   | Scopus | <a href="https://doi.org/10.1109/ICOEI56765.2023.10125929">https://doi.org/10.1109/ICOEI56765.2023.10125929</a>   |
| 47 | P. Kishore; Rohan Sirimalla; K. Sai Sushma; R. Saikiran Reddy  | Conference | Implementation of Braun and Baugh-Wooley Multipliers Using QCA                            | 2023 2nd International Conference for Innovation in Technology (INOCON)                                    | International | 19-Apr-23  | 979-8-3503-2092-3   | Scopus | <a href="https://doi.org/10.1109/INOCON57975.2023.10101300">https://doi.org/10.1109/INOCON57975.2023.10101300</a>   |
| 48 | Dr. M.C. Raju1 , Siddavatam Sneha2 , Neha Rajula3, Sai Pranay Rathna4                                  | Journal    | MODIFIED LEACH ALGORITHM FOR ENERGY EFFICIENT CLUSTERING IN WIRELESS SENSOR NETWORKS      | European Chemical Bulletin   | International | 05.06.2023 | ISSN 2063-5346  | Scopus | <a href="https://www.eurchembul.com/uploads/paper/4d185bf73bb3dbbca2c86e5ce8a0d82.pdf">https://www.eurchembul.com/uploads/paper/4d185bf73bb3dbbca2c86e5ce8a0d82.pdf</a> |
| 49 | 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 | 01-Mar     | 10.1080/03772063.2021.1893229   | SCIE   | <a href="https://doi.org/10.1080/03772063.2021.1893229">https://doi.org/10.1080/03772063.2021.1893229</a>   |
| 50 | S.Naga Leela1* , Boppa Manisha1 , Palle Bharath1 , and Erram Praneeth                                  | Conference | Design of Wallace tree multiplier circuit using high performance and low power full adder | 4th International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED-ICMPC 2023) | International | 05-Jun-23  | E3S Web Conf. Volume 391, 2023  | Scopus | <a href="https://doi.org/10.1051/e3sconf/202339101025">https://doi.org/10.1051/e3sconf/202339101025</a>   |
| 51 | Perumalla, S.R., Alekhya, B., Raju, M.C  | Conference | Digital Skeletonization for Bio-Medical Images  | Third International Conference on Sustainable Expert Systems   | International | 23-Feb-23  | Lecture Notes in Networks and Systems, vol 587. Springer, Singapore., | Scopus | <a href="https://link.springer.com/chapter/10.1007/978-981-19-7874-">https://link.springer.com/chapter/10.1007/978-981-19-7874-</a>                                     |

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| 52 | Y. Bhaskara<br>Raghava; V. Pranay<br>Srinidhi; K.<br>Ramakrishna;<br>Sireesha Amaraneni;<br>G.V. Subba Reddy | Conference | Detection of Tumor in<br>the Liver Using CNN<br>and Mobile Net | 2023 2nd<br>International<br>Conference on<br>Vision Towards<br>Emerging Trends in<br>Communication and<br>Networking<br>Technologies<br>(ViTECoN) | Internationa<br>1 | 26-Jun-23      | 979-8-3503-<br>4798-2 | Scopus            | <a href="https://doi.org/10.1109/ViTECoN58111.2023.10156979">https://doi.org/10.1109/<br/>ViTECoN5<br/>8111.2023.1<br/>0156979</a>  |
| 53 | Anuhya Kesana;<br>Jayanthi Nallola;<br>Rudra Teja<br>Bootapally; Sireesha<br>Amaraneni; G V<br>Subba Reddy   | Conference | Brain Tumor Detection<br>Using YOLOv5 and<br>Faster R-CNN      | 2023 2nd<br>International<br>Conference on<br>Vision Towards<br>Emerging Trends in<br>Communication and<br>Networking<br>Technologies<br>(ViTECoN) | Internationa<br>1 | 26-Jun-23      | 979-8-3503-<br>4798-2 | Scopus            | <a href="https://doi.org/10.1109/ViTECoN58111.2023.10157773">https://doi.org/10.1109/<br/>ViTECoN5<br/>8111.2023.1<br/>0157773</a>  |
| 54 | Y.Manasa, Boorle<br>Vidyananda Sagar,<br>Mamindla Venu, R.<br>Deepika  | Conference | Design of LIFI Based<br>Under Water<br>Communication<br>System | 5th International<br>Conference on<br>Recent<br>Advancements in<br>Engineering and<br>Technology<br>63<br>ICRAET-                                  | Internationa<br>1 | 05-05-<br>2023 | 978-93-92105-<br>53-1 | Google<br>Scholar |   |

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| 55 | Chokkakula Ganesh and Fazal Noorbasha              | Journal      | Performance and Stability Analysis of Built-In Self-Read and Write Assist 10T SRAM Cell                              | ACTIVE AND PASSIVE ELECTRONIC COMPONENTS   | International | 30-Jun-23           | Volume 2023, 0882-7516 / 1563-5031 | WoS            | <a href="https://doi.org/10.1155/2023/3371599">https://doi.org/10.1155/2023/3371599</a> |
| 56 | Pradeep Kumar, Subodh Srivastava, Y. Padma Sai     | Book Chapter | Basic Understanding of Medical Image Processing  | B-AAP (Apple Academic Press), Taylor and Francis Group Publisher   | International | 07-07-2022          | 978-100-31-9001-1                  | Scopus         |   |
| 57 | Manne Praveena, N Balaji, CD Naidu                 | Conference   | FPGA Design of Area Efficient and Superfast Motion Estimation Using JAYA Optimization-Based Block Matching Algorithm | Communication, Software and Networks   | International | 28-Oct-22           | 978-981-19-4990-6                  | Scopus         | 10.1007/978-981-19-4990-6_13  |
| 58 | K. Naresh, Y. P. Sai and S. Majumdar,              | Conference   | Design of 8-bit Dadda Multiplier using Gate Level Approximate 4:2 Compressor   | 2022 35th International Conference on VLSI Design and 2022 21st International Conference on Embedded Systems (VLSID), 2022 | International | 14-Sep-22           | 978-1-6654-8505-0                  | Scopus         | 10.1109/VLSID2022.2022.00059  |
| 59 | Uma Maheshwar Janniekode, Rajendra Prasad Somineni | Conference   | Performance Analysis of RRAM Based Low Power NVSRAM Cell Designs for IoT Applications                                | 2022 2nd International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET)                | International | 24-25 June 2022     | 978-1-6654-8875-4                  | Scopus         | 10.1109/ICEFEET51821.2022.9848170   |
| 60 | Uma Maheshwar Janniekode, Rajendra Prasad Somineni | Conference   | DESIGN AND PERFORMANCE ANALYSIS OF VARIOUS LEAKAGE REDUCTION TECHNIQUES FOR SRAM CELL                                | National Conference on Advances in Electrical, Electronics & Computer Engineering, Warangal                                | National      | 27th November, 2022 |                                    | Google Scholar |   |

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| 61 | Bindu Varsha Garidepalli; Rajendra Prasad Somineni; Anudeep Peddi; Uma Maheswar Janniekode   | Conefrence | Design and Analysis of 16nm GNR FET and CMOS Based Low Power 4kb SRAM Array Using 1-Bit 6T SRAM Cell | 2022 IEEE IAS Global Conference on Emerging Technologies (GlobConET)                               | International | 09-Sep-22 | 978-1-6654-4357-9                       | Scopus         | <a href="https://doi.org/10.1109/GlobConET53749.2022.9872358">https://doi.org/10.1109/GlobConET53749.2022.9872358</a> |
| 62 | Sohila Kanaparathi, Y Chalapathi Rao, Divya Kadam  | Journal    | Design and Development of a novel Accident Detection and Emergency Reporting System                  | International Journal of Advanced Research in Basic Engineering Sciences and Technology            | Internatinal  | Jul-22    | 2456-5717, pp. 101-106                  | Google Scholar |   |
| 63 | Dr.Y.Chalapathi Rao1, P.Lavanya2, B.Koteswara Rao3, Sohila.Kanaparathi                       | Journal    | Smart Application Based Parking System Using Internet of Things                                      | International Journal of Advanced Research in Management, Architecture, Technology and Engineering | Internatinal  | Jul-22    | 2454-9762, pp. 40-46                    | Google Scholar |   |
| 64 | Dr.Y. Chalapathi Rao1, Fameena Ansari2, K. Abhinav Reddy3, Pavan Sidhartha4, Rasi Pratyusha5 | Journal    | Recognition of Intent Using Light Detection and Ranging  | Journal of Pharmaceutical Negative Results   | Internatinal  | Jul-05    | Volume 13   Special Issue 3             | Scopus (Q4)    | 10.47750/pnr.2022.13.S03.115  |
| 65 | G. Sahitya, N. Balaji, C. D. Naidu   | Journal    | An Improved Routing Protocol for Heterogeneous Wireless Sensor Networks                              | International Journal of Engineering Trends and Technology   | Internatinal  | Dec-22    | Volume 70 Issue 10, 79-86, October 2022 | Scopus (Q4)    |   |
| 66 | G.Sahitya, C. Kaushik, Pilly Sujith Simha, Dhanush Reddy, Shashikumar, Vinay                 | Conference | Leaf Disease Detection Using Raspberry Pi  | 2022 13th International Conference on Computing Communication and Networking                       | International | 26-Dec-22 | 978-1-6654-5262-5                       | Scopus         |   |

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| 67 | Dr.B.Naga lakshmi1<br>Dr.P.kishore 2, Dr B.<br>Ratnakanth 3<br>Dr.P.Prasana Murali<br>Krishna4 , A. Sneha                         | Journal    | Block chain-based<br>Secure Large<br>Information<br>Storage on Cloud             | NeuroQuantology  | Internatinal      | Jul-22  | 20(8): 7858-<br>7861  | Scopus<br>(Q3)    | 10.14704/n<br>q.2022.20.8<br>NQ44810  |
| 68 | K.L.V. Ramana<br>Kumari, B.Keerthan,<br>T.Nikhil, G. Puneeth<br>Shoury  | Conference | Convolution Merging<br>Technique For Image<br>Encryption Application             | International<br>Conference on<br>Micro Electronics,<br>Automation,<br>Computing and<br>Communication<br>Systems (ICMACC),                         | Internatinal      | Dec'28 <sup>th</sup> -<br>30 <sup>st</sup> 2023 | Pg No.401-<br>406     | Scopus            | DOI:<br>10.1109/IC<br>MACC5482<br>4.2022.1009<br>3653   |
| 69 | J L V Ramana<br>Kumari, Varshitha.<br>Y, Rakesh M ,<br>Gopi .Ch   | Conference | Design And<br>Implementation Of Alu<br>Using Ring Counters                       | International<br>Conference on<br>Signal Processing,<br>Computation,<br>Electronics, Power<br>and<br>Telecommunication<br>(IconSCEPT)              | Internatinal      | Mar-23  | 979-8-3503-<br>1212-6 | Scopus            | DOI:<br>10.1109/IC<br>onSCEPT57<br>958.2023.10<br>170295  |
| 70 | Kota Murali Mohan;<br>K. Naresh; CH.<br>Ganesh; V. Sagar<br>Reddy; K. Hari<br>Kishore   | Conference | Implementation of N-<br>Point FFT/IFFT<br>processor based Radix -2<br>using FPGA | 2022 International<br>Conference on<br>Recent Trends in<br>Microelectronics,<br>Automation,<br>Computing and<br>Communications<br>Systems (ICMACC) | Internationa<br>1 | 17-Apr-23                                       | 978-1-6654-<br>9604-9 | Scopus            | <a href="https://doi.org/10.1109/ICMACC54824.2022.10093290">https://doi.o<br/>rg/10.1109/I<br/>CMACC54<br/>824.2022.10<br/>093290</a> |
| 71 | B. Nikitha 1,B.<br>Srikar2, M. Prasanna<br>Lakshmi 3, V.<br>Sowmya Sree4,<br>V.Prashanth<br>Kumar5, Dr. Ranjan<br>Kumar Senapathi | Journal    | Content Based Medical<br>Image Retrieval System<br>Using DCNN                    | Journal of Current<br>Research in<br>Engineering and<br>Science  | Internationa<br>1 | Aug-22  | 2581-611X             | Google<br>Scholar | <a href="https://www.psvpec.in/jcres/2022_2/95.pdf">https://www<br/>.psvpec.in/j<br/>cres/2022_2<br/>/95.pdf</a>                      |

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| 72 | V. Priyanka Brahmaiah <sup>1</sup> , Aruru Sai Kumar <sup>2</sup> , N. Neelima <sup>3</sup> , S. Siva Priyanka <sup>4</sup> and Talluri Vineel Jessy | Conference | An Efficient Pulse Detector with Arduino and IR Sensor   | 2022 13th International Conference on Computing Communication and Networking Technologies (ICCCNT) | International<br>1 | 26-Dec-22        | 978-1-6654-5262-5             | Scopus |   |
| 73 | N. Vishnu Teja, Kalyana Srinivas Kandala, Anudeep Peddi, I. Neelima, Poonam Upadhyay & N. Sudhakar Yadav   | Conference | Advancements of Artificial Intelligence in Microbiological Study by Extraction and Identification of Different Micro-organism Clusters       | Innovations in Signal Processing and Embedded Systems  | International<br>1 | 14-Sep-22        | 978-981-19-1669-4, pp 209–219 | Scopus | <a href="https://doi.org/10.1007/978-981-19-1669-4_19">https://doi.org/10.1007/978-981-19-1669-4_19</a> |
| 74 | R. Hruthik Chandra, Anudeep Peddi, Kalyana Srinivas Kandala, I. Neelima, N. Sudhakar Yadav & Choudary Santosh Kumar                                  | Conference | Rice Disease Detection and Classification Using Artificial Intelligence  | Innovations in Signal Processing and Embedded Systems  | International<br>1 | 14-Sep-22        | 978-981-19-1669-4             | Scopus | <a href="https://doi.org/10.1007/978-981-19-1669-4_20">https://doi.org/10.1007/978-981-19-1669-4_20</a> |
| 75 | Chinthala Akhil, Kalyana Srinivas Kandala, Anudeep Peddi, N. Sudhakar Yadav, T. Srinivasa Rao & I. Neelima   | Conference | Applications of Artificial Intelligence for Autonomous Landing and Multicopter Unmanned Aerial Vehicles Design by Space Exploration Machines | Innovations in Signal Processing and Embedded Systems  | International<br>1 | 14-Sep-22        | 978-981-19-1669-4             | Scopus | <a href="https://doi.org/10.1007/978-981-19-1669-4_15">https://doi.org/10.1007/978-981-19-1669-4_15</a> |
| 76 | Kandala Kalyana Srinivas, Paniteja Vangara, Radha Thiparapu, R Sravanth Kumar, Kandala Aditya Bhagavathi   | Conference | Artificial Intelligence based Forecasting Techniques for the Covid-19 pandemic   | 2022 International Mobile and Embedded Technology Conference (MECON)                               | International<br>1 | 10-11 March 2022 | 978-1-6654-2020-4             | Scopus | 10.1109/M E CON5387 6.2022.9752 240   |



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| 77 | G.Shanthi , Aruru Sai Kumar , P.Phanidra , G.Samartha Raj , N.Niharika , K.Kalyani.  | Conference | An Efficient FPGA Implementation of Cascade Integrator Comb Filter  | 2022 International Conference on Intelligent Innovations in Engineering and Technology     | International Conference | 06-12-2022 | 978-1-6654-5653-1/22/\$31.00 ©2022 IEEE | Scopus      | DOI: 10.1109/ICIET55458.2022.9967522  |
| 78 | Vijaya Kumar Gurrala, Y. Padma Sai, Nikhitha Karennagari & K. Yashwanth Reddy  | Conference | Speech Processed Public Addressing System   | Advances in Signal Processing and Communication Engineering                                | International            | 02-12-2022 | 978-981-19-5550-1                       | Scopus      | <a href="https://doi.org/10.1007/978-981-19-5550-1_21">https://doi.org/10.1007/978-981-19-5550-1_21</a> |
| 79 | Sravanth Kumar R1, Rajendra Prasad2, Kalyana Srinivas3, Kandukuri Gnaneshwar 4, Kala Sri Sowmya 5, Kaluwala Abhilash           | Journal    | Obstacle Detecting AI Glasses for the Blind   | NeuroQuantology  | International            | Sep-22     | 1303-5150                               | Scopus (Q4) |   |
| 80 | Akhila1*, R. Sravanth Kumar2, G. Ramya3, Anudeep Peddi4, Sailesh Sarpatwar   | Journal    | Accessing the Virtual Keyboard Using Cortical Recordings for Paralytic Patients Using Wireless EEG Device | NeuroQuantology  | International            | Aug-22     | 1303-5150                               | Scopus (Q4) |   |
| 81 | 1*Dr. Sreenivasulu Gogula , 2Dr. M. Rajesh Khanna, 3Dr. Neelappa, 4Dr. Ajith Sundaram, 5E. Rajesh Kumar, 6Dr. Sravanth Kumar R | Journal    | Modernized Wildlife Surveillance and Behaviour Detection using a Novel Machine Learning Algorithm         | International Journal on Recent and Innovation Trends in Computing and Communication       | International            | Dec-22     | ISSN: 2321-8169 Volume: 10 Issue: 2s    | Scopus      | <a href="https://doi.org/10.17762/ijritcc.v10i2s.5911">https://doi.org/10.17762/ijritcc.v10i2s.5911</a> |
| 82 | C. Kaushik; J. Vibhath; L. Nagamani; Podduturi Ashish Reddy; Posanpally Bhavik Reddy   | Conference | Energy Optimization and Optimal Routing Protocol in Wireless Sensor Networks                              | 2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA) | International            | Dec-22     | 978-1-6654-9707-7                       | Scopus      | 10.1109/ICIRCA54612.2022.9985549  |

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| 83 | C. Kaushik; T. Ram;<br>C Ritvik; T. Lakshman   | Conference | Network Security with Network Intrusion Detection System using Machine Learning Deployed in a Cloud Infrastructure | 2022 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC) | International<br>1 | Sep-22                   | 978-1-6654-7971-4                    | Scopus         | 10.1109/ICESC54411.2022.9885569   |
| 84 | Aruna Kumari<br>Kakumani, Dr. L. Padma Sree  | Journal    | DEEP LEARNING ARCHITECTURE FOR CLASSIFICATION OF BREAST CANCER CELLS IN FLUORESCENCE MICROSCOPY IMAGES             | International Journal of Advanced Research in Computer Science                                 | International<br>1 | November - December 2022 | Volume 13, No. 6, ISSN No. 0976-5697 | Google Scholar | <a href="http://dx.doi.org/10.26483/ijarcs.v13i6.6921">http://dx.doi.org/10.26483/ijarcs.v13i6.6921</a> |
| 85 | Aruna Kumari<br>Kakumani, Dr. L. Padma Sree  | Journal    | BRB U-Net: Bottleneck Residual Blocks in U-Net for Light-Weight Semantic Segmentation                              | International Journal of Computer Applications   | International<br>1 | Oct-22                   | Volume 184– No.33, 0975 – 8887       | Google Scholar |   |
| 86 | Aruna Kumari<br>Kakumani, L Padma Sree, Boggula Varun Kumar, Surineni Karthik Rao, Mithil Garrepally, Chandrakanth M | Conference | Segmentation of Cell Nuclei in Microscopy Images using Modified ResUNet  | 2022 IEEE 3rd Global Conference for Advancement in Technology (GCAT)                           | International<br>1 | Oct 7-9, 2022            | 978-1-6654-6855-8/22                 | Scopus         |   |
| 87 | Dharma Teja Lanka, S.Rajendra Prasad, K.Srinivasa Rao, P.Venkatesh, B.Sushma, H.Saritha, B.Sai Nikhith               | Journal    | ANALYZING PERFORMANCE METRICS OF LOW POWER 15T SRAM CELL USING FINFET AND GNRFET                                   | IJARIE   | International<br>1 | July,2022                | Vol-8 Issue-4, ISSN(O)-2395-4396     | Google Scholar |   |
| 88 | Dharma Teja Lanka1, S. Rajendra Prasad2 and K. Srinivasa Rao3  | Journal    | Design of Low Power 15T SRAM Cell using 20nm technology Based on FinFET, CNTFET and GNRFET                         | ZKG International  | International<br>1 | Nov-22                   | Volume VII Issue II, ISSN: 2366-1313 | SCIE (Q4)      |   |

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| 89 | Dharma Teja Lanka <sup>1</sup> , S Rajendra Prasad <sup>2</sup> , K Srinivasa Rao <sup>3</sup>   | Journal      | Performance Analysis of RHBD 14T and 15T SRAM Cells Using Dual Rail Voltage Technique | International Advanced Research Journal in Science, Engineering and Technology | International | Oct-22     | Vol. 9, Issue 10, ISSN (O) 2393-8021                   | Google Scholar |   |
| 90 | Naveen Kumar Vodnala <sup>1</sup> , Y. Padma Sai <sup>2</sup> , Prathyusha Vilasagaram <sup>3</sup>  | Conference   | RECOGNITION AND ANALYSIS OF ASTHMA DISEASE BASED ON COUGH SOUND                       | JOURNAL OF NORTHEASTERN UNIVERSITY   | International | 16-11-2022 | Volume 25 Issue 04, 2022 ISSN: 1005-3026               | Scopus (Q4)    |   |
| 91 | Bolumalla Surya <sup>1*</sup> , Y. Padma Sai <sup>2</sup> , Naveen Kumar Vodnala <sup>3</sup> , V Sagar Reddy <sup>4</sup>   | Journal      | Respiratory Disease Classification Based on Vowel Sounds                              | NEUROQUANTOLOGY  | International | 01-11-2022 | VOLUME 20   ISSUE 15   PAGE 3772-3779                  | Scopus (Q4)    | 10.14704/NQ.2022.20.15.NQ88379  |
| 92 | Srinivasa Rao Patri <sup>1</sup> , L. Nithyanandan <sup>2</sup>  | Journal      | Network throughput Optimization for Relay Based NB-CR-IoT Wireless Body Area Network  | International Journal of Engineering Trends and Technology                     | International | Sep-22     | Volume 70 Issue 9, 148-154, ISSN: 2231 – 5381          | Scopus (Q4)    | <a href="https://doi.org/10.14445/22315381/IJETT-V70I9P215">https://doi.org/10.14445/22315381/IJETT-V70I9P215</a> |
| 93 | Pradeep Kumar, Subodh Srivastava, Y. Padma Sai   | Book Chapter | Basic Understanding of Medical Imaging Modalities                                     | Biomedical Engineering: Techniques and Applications                            | International | 07-07-2022 | 9781003190011  | Scopus         |   |
| 94 | <sup>1</sup> Manasa Yatagiri, <sup>2</sup> Kathroj Manasa, <sup>3</sup> Gujjula Ramya, <sup>4</sup> P. Sravanthi   | Journal      | IMPROVED COOPERATIVE COMMUNICATION IN MULTI-HOP WIRELESS NETWORKS WITH NETWORK CODING | NEUROQUANTOLOGY  | International | Nov-22     | VOLUME 20   ISSUE 15   PAGE 1193-1200, eISSN 1303-5150 | Scopus (Q4)    | 10.14704/NQ.2022.20.15.NQ88105  |
| 95 | <sup>1</sup> B. Alekhya, <sup>2</sup> Prof L Anjaneyulu, <sup>3</sup> P.Suresh Babu, <sup>4</sup> Raja Kumari Chilukuri, <sup>5</sup> Hari Kishore Kakarla, <sup>6</sup> A. Pravallika | Journal      | MINIATURE, STATE-OF-THE-ART METAMATERIAL ANTENNAS FOR WEARABLE IOT DEVICES, MEDICAL   | NEUROQUANTOLOGY  | International | Nov-22     | VOLUME 20   ISSUE 15   PAGE 1201-1209, eISSN 1303-5150 | Scopus (Q4)    | 10.14704/NQ.2022.20.15.NQ88106  |

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|     |  |            | MONITORING, AND 5G NETWORKS  |  |               |           |   |          |   |
| 96  | Aruru Sai Kumar <sup>1</sup> · B. Naresh Kumar Reddy <sup>2</sup>  | Journal    | An Efficient Real-Time Embedded Application Mapping for NoC Based Multiprocessor System on Chip                              | Wireless Personal Communications   | International | 12-Oct-22 | Volume 128, pages 2937–2952, 0929-6212  | SCI (Q2) | <a href="https://doi.org/10.1007/s11277-022-10080-x">https://doi.org/10.1007/s11277-022-10080-x</a> |
| 97  | B. Naresh Kumar Reddy; Alex James; Aruru Sai Kumar   | Conference | Fault-Tolerant Core Mapping for NoC based architectures with improved Performance and Energy Efficiency                      | 2022 29th IEEE International Conference on Electronics, Circuits and Systems (ICECS)               | International | 12-Dec-22 | 978-1-6654-8823-5                       | Scopus   | 10.1109/ICECS202256217.2022.9970825   |
| 98  | Aruru Sai Kumar; M. Deekshana; V. Bharath Sreenivasulu; Rajendra Prasad Somineni; D. Kanthi Sudha  | Conference | Characterization for Sub-5nm Technology Nodes of Junctionless Gate-All-Around Nanowire FETs                                  | 2022 13th International Conference on Computing Communication and Networking Technologies (ICCCNT) | International | 26-Dec-22 | 978-1-6654-5262-5                       | Scopus   | 10.1109/ICCCNT54827.2022.9984269  |
| 99  | Aruru Sai Kumar <sup>1</sup> , U. Siddhesh <sup>2</sup> , N. Sai kiran <sup>3</sup> and K. Bhavitha <sup>4</sup>   | Conference | Design of High Speed 8-bit Vedic Multiplier using Brent Kung Adders  | 2022 13th International Conference on Computing Communication and Networking Technologies (ICCCNT) | International | 26-Dec-22 | 978-1-6654-5262-5                       | Scopus   |   |
| 100 | Srinivas Talasila <sup>a</sup> , b <sup>*</sup> , Kirti Rawal <sup>a</sup> , <sup>*</sup> , Gaurav Sethi <sup>a</sup> , Sanjay MSS <sup>c</sup> , Surya Prakash Reddy <sup>M d</sup> | Journal    | Black gram Plant Leaf Disease (BPLD) dataset for recognition and classification of diseases using computer-vision algorithms | Data in Brief  | International | Dec-22    | Volume 45, 2022, 108725, ISSN 2352-3409 | WoS (Q4) | <a href="https://doi.org/10.1016/j.dib.2022.108725">https://doi.org/10.1016/j.dib.2022.108725</a>   |
| 101 | S. Siva Priyanka; N. Neelima; Aruru Sai  | Conference | An Efficient Door Access System  | 2022 13th International  | International | 26-Dec-22 | 978-1-6654-5262-5                       | Scopus   | 10.1109/ICCCNT5482  |

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|     | Kumar; K. Raghava Rao; B. Seetharamulu  |            | Controlled by Temperature using LabVIEW   | Conference on Computing Communication and Networking Technologies (ICCCNT)                                 |                 |           |                   |        | 7.2022.9984580  |
| 102 | Siva Ramakrishna Pillutla; N. Neelima; Aruru Sai Kumar; Bandi Narasimha Rao; Namgiri Suresh | Conference | An Efficient two Dimensional Mapping of External Surroundings for Robotics and Drones                       | 2022 13th International Conference on Computing Communication and Networking Technologies (ICCCNT)         | International 1 | 26-Dec-22 | 978-1-6654-5262-5 | Scopus | 10.1109/ICCCNT54827.2022.9984274  |
| 103 | Junaid Ahmed Mohammed Abdul; Santhosh Kumar Dhatrika; Pradeep Kumar                         | Conference | A Technique to Improve the Lifetime of Heterogeneous Wireless Sensor Networks by Removing Redundant Packets | 2022 International Conference on Edge Computing and Applications (ICECAA)                                  | International 1 | 08-Nov-22 | 978-1-6654-8232-5 | Scopus | <a href="https://doi.org/10.1109/ICECAA55415.2022.9936560">https://doi.org/10.1109/ICECAA55415.2022.9936560</a> |
| 104 | K. Swetha Reddy1, Surabhi Seethai1, Akanksha1, Meenakshi1, V. Sagar Reddy1                  | Conference | ASIC Implementation of Bit Matrix Multiplier  | 4th International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED-ICMPC 2023) | International 1 | 05-Jun-23 | E-ISSN:2267-1242  | Scopus | <a href="https://doi.org/10.1051/e3sconf/202339101028">https://doi.org/10.1051/e3sconf/202339101028</a>         |



# VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY



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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.<br>Rajani Kumari & Y.<br>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)  | <a href="https://doi.org/10.1016/j.bspc.2021.103221">https://doi.org/10.1016/j.bspc.2021.103221</a> |
| 2      | Srinivasa Rao Patri & L.<br>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           | <a href="https://doi.org/10.1007/s11042-021-11475-x">https://doi.org/10.1007/s11042-021-11475-x</a> | SCIE (Q1) | <a href="https://doi.org/10.1007/s11042-021-11475-x">https://doi.org/10.1007/s11042-021-11475-x</a> |
| 3      | Mohebbanaaz, L. V.<br>Rajani Kumari & Y.<br>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) | <a href="https://doi.org/10.1007/s11760-021-02009-x">https://doi.org/10.1007/s11760-021-02009-x</a> |

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| 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) | <a href="https://doi.org/10.1007/s00034-021-01948-7">https://doi.org/10.1007/s00034-021-01948-7</a> |
| 7 | Uma Maheshwar Jannikode, 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) | <a href="https://doi.org/10.3390/sym14040768">https://doi.org/10.3390/sym14040768</a>               |
| 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) | <a href="https://doi.org/10.1017/S1759078721001537">https://doi.org/10.1017/S1759078721001537</a>   |
| 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) | <a href="https://doi.org/10.1108/CW-09-2020-0220">https://doi.org/10.1108/CW-09-2020-0220</a>       |

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| 10 | Veeramosu Priyanka<br>Brahmaiah, Yarlagadda<br>Padma Sai, Mahendra N.<br>Giri Prasad | Journal | Accurate and Efficient<br>Differentiation Between<br>Normal and Epileptic Seizure<br>of Eyes Using 13 Layer<br>Convolution Neural Network | Traitement Du Signal   | International | August 2021        | Vol. 38, No. 4,<br>pp. 1161-1169                   | SCIE<br>(Q3)   | <a href="https://doi.org/10.18280/ts.380427">https://doi.org/<br/>10.18280/ts.38<br/>0427</a>                                |
| 11 | Sunitha Vanamala L.<br>Padma Sree, S. Durga<br>Bhavani                               | Journal | Dynamic Support Range<br>based Rare Pattern Mining<br>over Data Streams   | International Journal of<br>Advanced Computer<br>Science and Applications                            | International | March-2022         | ISSN 2156-5570,<br>Vol. 13, No. 3,<br>2022         | ESCI<br>(Q3)   | 10.14569/IJA<br>CSA.2022.013<br>0378   |
| 12 | N. Sailaja Venkata, L.<br>Padma Sree, N.<br>Mangathayaru                             | Journal | Statistically Empirical<br>Integrated Approach for<br>Knowledge Refined Text<br>Classification  | Journal of Information<br>and Knowledge<br>management  | International | Jun-22             | Vol. 21, Issue 2                                   | ESCI<br>(Q3)   | 10.1142/S021<br>964922250027<br>7  |
| 13 | Pradeep Kumar, Subodh<br>Srivastava Y Padma Sai                                      | Journal | Recasted nonlinear complex<br>diffusion method for removal<br>of Rician<br>noise from breast MRI images                                   | The Journal of Defense<br>Modeling and<br>Simulation:<br>Applications,<br>Methodology,<br>Technology | International | October 8,<br>2021 | 1548-5129  | WoS<br>(Q3)    | <a href="https://doi.org/10.1177/15485129211052284">https://doi.org/<br/>10.1177/1548<br/>512921105228<br/>4</a>             |
| 14 | Mohebbanaaz, Y. Padma<br>Sai and L. Rajani kumari                                    | Journal | Detection of Cardiac<br>Arrhythmia using Deep CNN<br>and optimized-SVM,   | Indonesian Journal of<br>Electrical Engineering<br>and computer science                              | International | 01-10-2021         | , Vol. 24, No. 1,<br>pp. 217~225                   | Scopus<br>(Q3) | <a href="http://doi.org/10.11591/ijeecs.v24.i1.pp217-225">http://doi.org/<br/>10.11591/ijeec<br/>s.v24.i1.pp217<br/>-225</a> |
| 15 | Shankaranand Jha,<br>Santosh Kumar<br>Choudhary and Ritesh<br>Kumar                  | Journal | Mitigating the Challenges of<br>Online Learning and<br>Conduct of Examinations -<br>From Faculty Perspective to<br>Student Satisfaction   | Journal of Engineering<br>Education<br>Transformations   | International | Jan-22             | Volume No 35,<br>Special issue,<br>eISSN 2394-1707 | Scopus<br>(Q3) | DOI: 10.1692<br>0/jeet/2022/v3<br>5is1/22021   |
| 16 | L. V. R. Rajani Kumari,<br>A. Lohitha, A. Kavya, N.<br>Tarakeswar                    | Journal | Automated sleep apnea<br>classification based on<br>statistical and spectral analysis<br>of electrocardiogram signals                     | Indonesian Journal of<br>Electrical Engineering<br>and Computer Science                              | International | Mar-22             | 25024752   | Scopus<br>(Q3) | 10.11591/ijeec<br>s.v25.i3.pp145<br>0-1457   |



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| 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) | <a href="http://www.arpnjournals.org/jeas/research_papers/rp_2022/jeas_0522_8929.pdf">http://www.arpnjournals.org/jeas/research_papers/rp_2022/jeas_0522_8929.pdf</a> |
| 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) | <a href="http://www.arpnjournals.org/jeas/research_papers/rp_2022/jeas_0522_8934.pdf">http://www.arpnjournals.org/jeas/research_papers/rp_2022/jeas_0522_8934.pdf</a> |
| 19 | K. Sarath Chandra, K. Hari Kishorel  | 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) | <a href="http://www.arpnjournals.org/jeas/research_papers/rp_2021/jeas_0621_8597.pdf">http://www.arpnjournals.org/jeas/research_papers/rp_2021/jeas_0621_8597.pdf</a> |
| 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) | <a href="https://doi.org/10.1088/1742-6596/1797/1/012009">https://doi.org/10.1088/1742-6596/1797/1/012009</a>   |
| 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) | <a href="http://www.jatit.org/volumes/ninetytwo/ninetytwo20.php">http://www.jatit.org/volumes/ninetytwo/ninetytwo20.php</a>   |
| 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)    | <a href="https://doi.org/10.1142/S0219581X21500575">https://doi.org/10.1142/S0219581X21500575</a>   |

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| 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) | <a href="https://doi.org/10.1007/978-981-16-6309-3_67">https://doi.org/10.1007/978-981-16-6309-3_67</a> |
| 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<br>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,<br>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 Gurrala; 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  |

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| 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 | <b>DOI:</b> 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 | <a href="https://kalaharijournals.com/resources/Special_Issue_April_May_81.pdf">https://kalaharijournals.com/resources/Special_Issue_April_May_81.pdf</a> |
| 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  | 978-166544885-7  | 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 | <b>DOI:</b> 10.1109/UPCON52273.2021.9667583   |

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| 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 |

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| 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/MECO N53876.2022.9752219   |
| 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 | <a href="https://doi.org/10.1007/978-981-16-3246-4_67">https://doi.org/10.1007/978-981-16-3246-4_67</a> |



# 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 CE, EEE, ME, ECE, CSE, EIE, IT B.Tech. Programmes  
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 Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O), Hyderabad – 500 090, TS, India.  
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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) | <a href="https://doi.org/10.1016/j.compeleceng.2021.107137">https://doi.org/10.1016/j.compeleceng.2021.107137</a> |
| 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) | <a href="https://doi.org/10.1007/s00542-020-05157-1">https://doi.org/10.1007/s00542-020-05157-1</a>               |
| 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) | <a href="https://doi.org/10.1007/s00034-021-01750-5">https://doi.org/10.1007/s00034-021-01750-5</a>               |
| 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) | <a href="https://doi.org/10.1007/s00542-020-05119-7">https://doi.org/10.1007/s00542-020-05119-7</a>               |

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|----|--|---------|---|---|---------------|--------------|---|-----------|---|
| 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) | <a href="https://doi.org/10.1007/s11277-020-07725-0">https://doi.org/10.1007/s11277-020-07725-0</a>       |
| 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) | <a href="https://doi.org/10.18280/ts.380221">https://doi.org/10.18280/ts.380221</a>                       |
| 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) | <a href="https://doi.org/10.18280/ts.370317">https://doi.org/10.18280/ts.370317</a>                       |
| 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) | <a href="https://doi.org/10.1080/03772063.2021.1893229">https://doi.org/10.1080/03772063.2021.1893229</a> |
| 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) | <a href="https://doi.org/10.1515/ijeeps-2020-0040">https://doi.org/10.1515/ijeeps-2020-0040</a>           |
| 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   |

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|----|--|---------|--|---|---------------|----------------|---|-------------------|---|
| 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)          | <a href="https://doi.org/10.1177/1548512920973268">https://doi.org/10.1177/1548512920973268</a>           |
| 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)          | <a href="https://doi.org/10.1007/s11220-020-00313-3">https://doi.org/10.1007/s11220-020-00313-3</a>       |
| 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)         | <a href="https://doi.org/10.3991/ijoe.v16i13.18593">https://doi.org/10.3991/ijoe.v16i13.18593</a>         |
| 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)       | <a href="https://doi.org/10.30534/ijeter/2020/68892020">https://doi.org/10.30534/ijeter/2020/68892020</a> |
| 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)       | <a href="https://doi.org/10.23940/ijpe.20.12.p1.18451852">10.23940/ijpe.20.12.p1.18451852</a>             |
| 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)       | <a href="https://doi.org/10.17762/turcomat.v12i3.1890">https://doi.org/10.17762/turcomat.v12i3.1890</a>   |
| 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   |



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|----|--|--------------|--|--|---------------|---------------------|---|---------------------|---|
| 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)         | <a href="https://doi.org/10.1007/978-981-16-4149-7_22">https://doi.org/10.1007/978-981-16-4149-7_22</a>                                   |
| 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) | <a href="https://doi.org/10.37896/jxu14.11/065">https://doi.org/10.37896/jxu14.11/065</a>   |
| 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) | <a href="https://doi.org/10.17762/turcomat.v12i8.4159">https://doi.org/10.17762/turcomat.v12i8.4159</a>                                   |
| 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)         | <a href="http://solidstatechnology.us/index.php/JSST/article/view/8373">http://solidstatechnology.us/index.php/JSST/article/view/8373</a> |
| 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              | <a href="https://doi.org/10.1109/ICECA49313.2020.9297564">10.1109/ICECA49313.2020.9297564</a>   |
| 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              | <a href="https://doi.org/10.1007/978-981-33-6081-5_33">https://doi.org/10.1007/978-981-33-6081-5_33</a>                                   |
| 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              | <a href="https://doi.org/10.1109/INDICON49873.2020.9342577">10.1109/INDICON49873.2020.9342577</a>   |
| 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              | <a href="https://doi.org/10.1109/INDICON49873.2020.9342471">10.1109/INDICON49873.2020.9342471</a>   |
| 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              | <a href="https://doi.org/10.1007/978-981-16-0425-6_24">10.1007/978-981-16-0425-6_24</a>   |

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|----|--|--------------|---|--|---------------|--------------------|--|--------|---|
| 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 | <a href="https://doi.org/10.1016/j.matpr.2020.07.348">https://doi.org/10.1016/j.matpr.2020.07.348</a>                                   |
| 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 | <a href="http://sersc.org/journals/index.php/IJAST/article/view/34895">http://sersc.org/journals/index.php/IJAST/article/view/34895</a> |
| 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 | <a href="https://doi.org/10.1007/978-981-33-6081-5_31">https://doi.org/10.1007/978-981-33-6081-5_31</a>                                 |
| 35 | Dharmughari 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 | <a href="https://doi.org/10.1109/I-SMAC49090.2020.9243346">10.1109/I-SMAC49090.2020.9243346</a>   |
| 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 | <a href="https://doi.org/10.1016/j.matpr.2021.04.189">https://doi.org/10.1016/j.matpr.2021.04.189</a>                                   |
| 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 | <a href="https://doi.org/10.1109/TENCON50793.2020.9293767">10.1109/TENCON50793.2020.9293767</a>   |
| 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 <sup>nd</sup> 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 <sup>st</sup> 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  |

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| 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 <sup>th</sup> International Conference on Smart Computing and Informatics, (SCI-2020)  | International | 9-10 Oct., 2020       | 978-981-16-1501-6   | Scopus         | <a href="https://doi.org/10.1007/978-981-16-1502-3_54">https://doi.org/10.1007/978-981-16-1502-3_54</a> |
| 43 | L. V. R. Kumari, P. Bokkolla, S. F. Syeed, S. P. Gudala, M. Dasamdla     | Conference   | Detection of Pneumonia Using Deep Learning   | 5 <sup>th</sup> 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 <sup>th</sup> 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         | <a href="https://doi.org/10.1016/j.matpr.2020.10.492">https://doi.org/10.1016/j.matpr.2020.10.492</a>   |
| 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         | <a href="https://doi.org/10.1016/j.matpr.2020.11.118">https://doi.org/10.1016/j.matpr.2020.11.118</a>   |
| 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.         | <a href="https://doi.org/10.1016/j.matpr.2021.03.137">https://doi.org/10.1016/j.matpr.2021.03.137</a> | Scopus         | <a href="https://doi.org/10.1016/j.matpr.2021.03.137">https://doi.org/10.1016/j.matpr.2021.03.137</a>   |
| 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 | <a href="https://doi.org/10.1007/978-981-16-3246-4_67">https://doi.org/10.1007/978-981-16-3246-4_67</a> |
| 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 | <a href="https://doi.org/10.9734/bpi/rd/v2">10.9734/bpi/rd/v2</a>                                       |

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|----|---|--------------|--|---|---------------|-----------------------|--|----------------|---|
| 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 | <a href="https://app.box.com/s/8s6h267lc2gpinyvu0bzy3e5gxk3bv50">https://app.box.com/s/8s6h267lc2gpinyvu0bzy3e5gxk3bv50</a>                               |
| 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 | <a href="https://doi.org/10.1109/ICOS-EC51865.2021.9591858">10.1109/ICOS-EC51865.2021.9591858</a>   |
| 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 | <a href="https://doi.org/10.18280/rces.070402">https://doi.org/10.18280/rces.070402</a>   |
| 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 | <a href="https://doi.org/10.1007/978-981-16-0965-7_14">https://doi.org/10.1007/978-981-16-0965-7_14</a>   |
| 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 | <a href="http://journalstd.com/gallery/31-jan2021.pdf">http://journalstd.com/gallery/31-jan2021.pdf</a>   |
| 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 | <a href="https://doi.org/10.11591/ijres.v9.i2.pp116-124">10.11591/ijres.v9.i2.pp116-124</a>   |
| 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            | <a href="https://drive.google.com/file/d/1W-Di-UpxI6UPWzsNMmNpX2ZdafNRrxv/view">https://drive.google.com/file/d/1W-Di-UpxI6UPWzsNMmNpX2ZdafNRrxv/view</a> |

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|----|---|--------------|--|---|---------------|---------------|---|---------------------|---|
| 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<br>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      | <a href="https://doi.org/10.26782/jmcms.2020.08.00006">https://doi.org/10.26782/jmcms.2020.08.00006</a>   |
| 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      | <a href="http://www.jetir.org/papers/JETIREK06034.pdf">http://www.jetir.org/papers/JETIREK06034.pdf</a>   |
| 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      | <a href="https://doi.org/10.1109/ICICT50816.2021.9358698">10.1109/ICICT50816.2021.9358698</a>   |
| 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      | <a href="https://doi.org/10.1109/HYDCON48903.2020.9242711">10.1109/HYDCON48903.2020.9242711</a>   |
| 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     | <a href="https://doi.org/10.1007/978-981-15-9293-5_41">https://doi.org/10.1007/978-981-15-9293-5_41</a> , pp 453-461- | Google Scholar      | <a href="https://doi.org/10.1007/978-981-15-9293-5_41">https://doi.org/10.1007/978-981-15-9293-5_41</a>   |
| 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      | <a href="https://www.capecomorinjournal.org.in/Acharya_IJELS_Archives-view-abstract?Id=89">https://www.capecomorinjournal.org.in/Acharya_IJELS_Archives-view-abstract?Id=89</a> |

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|----|--|-----------------|---|--|---------------|-------------------|--|-------------------|---|
| 66 | Mrs P Archana,<br>Dr.Subhash Kulkarni                                      | Conference      | NVL2E – Neural Network-<br>Based Video Feature<br>Extraction Enabled Loss<br>Computation to Learn and<br>Evaluate Video Quality | International Conference<br>on Smart Data<br>Intelligence (ICSMDI<br>2021),                              | International | Apr-21            | Electronic ISBN:<br>978-1-6654-3368-<br>6, Page No: 412-<br>419, | Google<br>Scholar | <a href="https://dx.doi.org/10.2139/ssrn.3853029">https://dx.doi.org/10.2139/ssrn.3853029</a>   |
| 67 | V. V. S. S. Sireesha , G.<br>Sahitya                                       | Conference      | Smart irrigation System for<br>the Reinforcement of<br>Precision<br>Agriculture using Prediction<br>Algorithm                   | ICICT  | International | Feb-21            | 978-1-7281-8501-<br>9  | Google<br>Scholar | <a href="https://doi.org/10.1109/ICICT50816.2021.9358524">10.1109/ICICT50816.2021.9358524</a>   |
| 68 | K. L. V. Ramana<br>Kumari, M. Asha Rani,<br>N. Balaji                      | Book<br>Chapter | Testing of NPSF for memory  | ICSCSP-2020  | International | Aug.-2020         | 978-981-16-1249-<br>7  | Google<br>Scholar | <a href="https://doi.org/10.1007/978-981-16-1249-7_59">https://doi.org/10.1007/978-981-16-1249-7_59</a>   |
| 69 | D. Kanthi Sudha, P.<br>Chandrasekhar Reddy                                 | Journal         | Optimizing Conformal<br>Antenna Design for<br>Cylindrical Structures to<br>achieve Omni Directional<br>Radiation coverage       | The International journal<br>of analytical and<br>experimental modal<br>analysis                         | International | Feb.-2021         | Volume XIII,<br>Issue II,0886-<br>9367                           | Google<br>Scholar | <a href="https://drive.google.com/file/d/111B7wtyWUeLVrQVh4TzVV3Dtd6ieYvpz/view">https://drive.google.com/file/d/111B7wtyWUeLVrQVh4TzVV3Dtd6ieYvpz/view</a>             |
| 70 | D. Kanthi Sudha, P.<br>Chandrasekhar Reddy                                 | Journal         | Comparative Analysis of<br>Radiation Performance and<br>Bandwidth of Planar,<br>Conformal Microstrip Patch<br>Antennas          | International Journal of<br>All Research Education<br>and Scientific Methods                             | International | 3-March -<br>2021 | 2455-6211,<br>Volume 9, Issue<br>3, March -2021                  | Google<br>Scholar | <a href="http://www.ijaresm.com/uploaded_files/document_file/D._Kanthi_Sudha_yHCU.pdf">http://www.ijaresm.com/uploaded_files/document_file/D._Kanthi_Sudha_yHCU.pdf</a> |
| 71 | K. Swetha Reddy, P.<br>Soujanya , D. Kanthi<br>Sudha                       | Journal         | ASIC Design and Verification<br>of AMBA APB Protocol<br>Using UVM   | International Journal of<br>Innovative Technology<br>and Exploring<br>Engineering                        | International | Jul-20            | ISSN: 2278-3075,<br>Volume-9 Issue-9                             | Google<br>Scholar | <a href="https://doi.org/10.35940/ijite.I7257.079920">10.35940/ijite.I7257.079920</a>   |
| 72 | Priyanka Kolluri,<br>Pranaya Chilamkuri ,<br>Naga Deepa.Ch.,<br>Padmaja.V. | Book<br>Chapter | Classification of Human<br>Postural Transition and<br>Activity Recognition Using<br>Smartphone Sensor Data                      | CIS-2020   | International | 02-Jun-21         | 978-981-33-6983-<br>2  | Google<br>Scholar | <a href="https://doi.org/10.1007/978-981-33-6984-9_35">https://doi.org/10.1007/978-981-33-6984-9_35</a>   |
| 73 | T. Nikhil,<br>NagaDeepa. Ch &<br>Dr. V. Padmaja                            | Conference      | Social Distance Alert System<br>to Control Virus Spread using<br>UWB RTLS in Corporate<br>Environments                          | IEEE ICATMRI-2020  | International | 12-Apr-21         | 978-1-7281-7734-<br>2  | Google<br>Scholar | <a href="https://doi.org/10.1109/ICATMRI51801.2020.9398453">10.1109/ICATMRI51801.2020.9398453</a>   |
| 74 | Manisha &<br>Naga Deepa. Ch  | Book<br>Chapter | Human Activity Classification<br>using Machine Learning<br>Techniques with Feature<br>Selection                                 | Fourth International<br>Conference on Advanced<br>Informatics for<br>Computing Research<br>(ICAICR-2020) | International | 20-Jun-21         | 978-981-16-3659-<br>2  | Google<br>Scholar | <a href="https://doi.org/10.1007/978-981-16-3660-8_35">https://doi.org/10.1007/978-981-16-3660-8_35</a>   |

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|----|---|--------------|---|--|---------------|------------------|--|----------------|---|
| 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.e.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 | <a href="https://doi.org/10.1007/978-981-15-9293-5_22">https://doi.org/10.1007/978-981-15-9293-5_22</a>                                   |
| 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            | <a href="http://www.ijreat.org/Papers%202020/Issue43/IJREATV8I1003.pdf">http://www.ijreat.org/Papers%202020/Issue43/IJREATV8I1003.pdf</a> |
| 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 | <a href="https://doi.org/10.1007/978-981-16-2712-5_7">https://doi.org/10.1007/978-981-16-2712-5_7</a>                                     |
| 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 | <a href="https://doi.org/10.1109/INCE T51464.2021.9456384">10.1109/INCE T51464.2021.9456384</a>   |
| 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 | --  |

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|----|---|------------|--|---|---------------|--------------|------------------------|----------------|---|
| 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 | <a href="https://doi.org/10.1109/ICIMIA48430.2020.9074861">10.1109/ICIMIA48430.2020.9074861</a>   |
| 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 | <a href="https://www.mahipublication.com/book-details/6g-challenges-in-reconfigurable-mimo-ofdm/Mjk0/">https://www.mahipublication.com/book-details/6g-challenges-in-reconfigurable-mimo-ofdm/Mjk0/</a> |





# VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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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,<br>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,<br>Subodh Srivastava,<br>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)  | <a href="https://doi.org/10.1007/s00542-020-04864-z">https://doi.org/10.1007/s00542-020-04864-z</a> |
| 4      | N V Sailaja,<br>L Padmasree,<br>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) | <a href="https://doi.org/10.1108/DTA-03-2020-0071">https://doi.org/10.1108/DTA-03-2020-0071</a>     |

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| 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)      | <a href="https://doi.org/10.1016/j.imu.2020.100319">https://doi.org/10.1016/j.imu.2020.100319</a>   |
| 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)        | <a href="https://doi.org/10.1007/s11042-019-08215-7">https://doi.org/10.1007/s11042-019-08215-7</a> |
| 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)         | <a href="https://doi.org/10.1108/IJPC-05-2019-0044">https://doi.org/10.1108/IJPC-05-2019-0044</a>   |
| 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  |

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|----|--|---------|---|--|---------------|-------------------|--|---------------------|--------------------------------|
| 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 |
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| 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 |

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| 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 | <a href="https://www.ijesar.in/index.php/ijesar/article/view/178">https://www.ijesar.in/index.php/ijesar/article/view/178</a> |
| 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 | --  |



# VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

AAn Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade  
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 Approved by AICTE, New Delhi, Affiliated to JNTUH in engineering Category  
 Recognized as "College with Potential for Excellence" by UGC  
 Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O), Hyderabad – 500 090, TS, India.  
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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)   | <a href="https://doi.org/10.1007/s10470-018-1348-5">https://doi.org/10.1007/s10470-018-1348-5</a>   |
| 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) | <a href="https://www.researchgate.net/publication/330192834_Multi-stage_key_management_scheme_for_cluster_based_WS_N">https://www.researchgate.net/publication/330192834_Multi-stage_key_management_scheme_for_cluster_based_WS_N</a> |

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| 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) | <a href="https://doi.org/10.14419/ijet.v7i2.24.12130">10.14419/ijet.v7i2.24.12130</a>   |
| 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) | <a href="https://doi.org/10.1007/978-981-13-3393-4_55">https://doi.org/10.1007/978-981-13-3393-4_55</a>   |
| 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) | D1S00490284 19/19©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.2019.10493 5   |
| 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) | <a href="https://www.researchgate.net/publication/327646066_Physical_Design_Implementation">https://www.researchgate.net/publication/327646066_Physical_Design_Implementation</a> |

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|    |   |              |   |  |               |                 |                                     |             | _of_High_Performance_CMOS_Dynamic_Latch_Comparator  |
| 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) | <a href="http://sersc.org/journals/index.php/IJCA/article/view/1989">http://sersc.org/journals/index.php/IJCA/article/view/1989</a> |
| 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) | <a href="http://sersc.org/journals/index.php/IJCA/article/view/1988">http://sersc.org/journals/index.php/IJCA/article/view/1988</a> |
| 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) | <a href="https://www.jardcs.org/abstract.php?id=1422#">https://www.jardcs.org/abstract.php?id=1422#</a>                             |
| 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      | <a href="https://doi.org/10.1007/978-3-030-41862-5_86">https://doi.org/10.1007/978-3-030-41862-5_86</a>                             |

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|----|---|--------------|--|---|---------------|-----------------|--|--------|---|
| 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<br>Dr. P. Kishore<br>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 | <a href="https://doi.org/10.35940/ijrte.2277-3878">https://doi.org/10.35940/ijrte.2277-3878</a>   |
| 23 | Dr. P. Kishore<br>Dr. S. Rajendra Prasad<br>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 | <a href="https://doi.org/10.35940/ijeat.2249-8958">https://doi.org/10.35940/ijeat.2249-8958</a>   |
| 24 | Dr. S. Rajendra Prasad<br>Dr. P. Kishore<br>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 | <a href="https://doi.org/10.35940/ijite">https://doi.org/10.35940/ijite</a>   |
| 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 | <a href="https://www.researchgate.net/publication/326982223_Image_based_street_light_block_out_monitoring">https://www.researchgate.net/publication/326982223_Image_based_street_light_block_out_monitoring</a> |
| 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 | <a href="https://doi.org/10.1007/978-981-13-3122-0_50">https://doi.org/10.1007/978-981-13-3122-0_50</a>   |



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|----|---|--------------|--|---|---------------|-----------------------|---|----------------|---|
| 28 | K. Sarath Chandra, K Hari Kishore   | Journal      | Electrical Characteristics of Double Gate FINFET Under Different Modes of Operation                          | International Journal of Innovative Technology and Exploring Engineering  | International | April-2019            | Online ISSN: 2278-3075 & Print ISSN: 0975-4350, Vol-8, Issue-6S | Scopus         | F60470486S19\19©BEIESP  |
| 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 | <a href="https://doi.org/10.1007/978-981-13-1580-0_34">https://doi.org/10.1007/978-981-13-1580-0_34</a>   |
| 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 | <a href="http://nebula.wsimg.com/2d2c100e75360c97cc97b1ef434afad8?AccessKeyId=DFB1BA3CED7E7997D5B1&amp;disposition=0&amp;alloworigin=1">http://nebula.wsimg.com/2d2c100e75360c97cc97b1ef434afad8?AccessKeyId=DFB1BA3CED7E7997D5B1&amp;disposition=0&amp;alloworigin=1</a> |
| 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 | <a href="https://ssrn.com/abstract=3354735">https://ssrn.com/abstract=3354735</a>   |

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

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| 43 | Ch Prithviraj,<br>K. Archana<br>Bhange  | Journal    | Smart Adaptive Vehicle Lighting System   | International Journal of Applied Engineering Research    | International | 2018-2019   | ISSN 2393-8374,19<br>VOLUME-4,<br>ISSUE-8.                      | Google Scholar | <a href="http://troindia.in/journal/ijcesr/vol4iss8part5/14-20.pdf">http://troindia.in/journal/ijcesr/vol4iss8part5/14-20.pdf</a>   |
| 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 | <a href="https://computerresearch.org/index.php/computer/article/view/1709">https://computerresearch.org/index.php/computer/article/view/1709</a>   |
| 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            | <a href="https://www.researchgate.net/publication/332092577_CMOS_REALIZATION_OF_AN_AMPLIFIER-FREE_PIPELINE-SAR_ADC_ARCHITECTURE_FOR_LOW_POWER_APPLICATIONS">https://www.researchgate.net/publication/332092577_CMOS_REALIZATION_OF_AN_AMPLIFIER-FREE_PIPELINE-SAR_ADC_ARCHITECTURE_FOR_LOW_POWER_APPLICATIONS</a> |
| 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            | <a href="http://www.jetir.org/papers/JETIR1808672.pdf">http://www.jetir.org/papers/JETIR1808672.pdf</a>   |
| 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  |

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| 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 | <a href="https://doi.org/10.1007/978-981-13-1580-0_34">https://doi.org/10.1007/978-981-13-1580-0_34</a> |
| 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 | --  |