

2022* FACULTY PUBLICATIONS

Journal Publications

1. **Sarman, K. G.**, Madhu, T., & Prasad, M. (2022). Fault Diagnosis in the Brushless Direct Current Drive Using Hybrid Machine Learning Models. ECTI Transactions on Electrical Engineering, Electronics, and Communications, 20(3), 414–426. <https://doi.org/10.37936/ecti-eeec.2022203.247517>, (Scopus) 2022
2. Sanjeev Kumar Raghuwanshi, Akash Srivastava, Vikram Palodiya, **Prakash Pareek**, Generation of a high chirp rate microwave signal by using external optical modulation technique for RADAR application: theory and experiment, Optical and Quantum Electronics 55, 5 (2023). <https://doi.org/10.1007/s11082-022-04221-6> , (SCI) 2022
3. Ch. Gangadhar; K. Chanthirasekaran; **K. Ramesh Chandra**; Aditi Sharma; M. Thangamani; Ponnusamy Siva Kumar, An energy efficient NOMA-based spectrum sharing techniques for cell-free massive MIMO, International Journal of Engineering Systems Modelling and Simulation, (ESCI/ SCOPUS) 2022
4. Padmanandam, Kayal and Rajesh M. V., Ajay N. Upadhyaya, **K, Ramesh Chandra**, Chandrashekar B., and Swati Sah, Artificial Intelligence Biosensing System on Hand Gesture Recognition for the Hearing Impaired, International Journal of Operations Research and Information Systems (IJORIS), Volume: 13 <http://doi.org/10.4018/IJORIS.306194>, (Scopus) 2022
5. Janapala, D.K., Moses, N. & **Rangarao Orugu**. Compacted conformal antenna at lower-UWB for wireless capsule endoscope system. Journal of Ambient Intelligence and Humanized Computing (2022). <https://doi.org/10.1007/s12652-022-04318-6>.(SCIE)
6. Ch. Murali Krishna, N. Suguna, R. Saravana Kumar,S. Alamelu alias Rajasree, V.L.N. Phani Ponnappalli, **M.K.V. Subbareddy**, Giuseppe peano fractal loaded multiband antenna using parasitic strips for THz applications, Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2022.07.382> (Scopus)
7. Lokendra Singh, R Saxena, Guo Zho, C Saha, **Prakash Pareek**, A compact realization of Feynman Reversible and NOR logic gate using Plasmonic waveguide based MZI for all-optical signal processing, Optics Communications, <https://doi.org/10.1016/j.optcom.2022.128707>, 2022 (SCI)

8. Saride Jagan Mohan Rao, Piyush C. Dalsania, Sudharani Chidurala, Ch Murali Krishna, Puneet Narayan, **D. Durga Prasad**, Fractal segmented lotus shape planar monopole antenna for multiband applications, *Materials Today: Proceedings*, 2022 <https://doi.org/10.1016/j.matpr.2022.06.145>, 2022 (Scopus)
9. R. Ganesh Babu, D. Hemanand, V. Amudha, **S. Sugumaran**, Design of Clustering Techniques in Cognitive Radio Sensor Networks, *Computer Systems Science and Engineering* 2023, 44(1), 441-456. <https://doi.org/10.32604/csse.2023.024049>. 2022 (Scopus)
10. Lokendra Singh, Niteshkumar Agrawal, Kamal Kumar Gola, Chinmoy Saha, **Prakash Pareek**, Numerical investigation of all optical SR flip-flop using plasmonic metal-insulator-metal (MIM) waveguides, *Optical and Quantum Electronics*, 2022 (SCI)
11. **Kothapalli Ramesh Chandra**, Somasekhar Borugadda, An effective combination of terahertz band NOMA and MIMO system for power efficiency enhancement, *International Journal of Communication Systems*, (April, 2022), <https://doi.org/10.1002/dac.5187>. 2022 (SCI, Scopus).
12. Nimmala Harathi, Kedhaeswara Sairam Pasupuleti, Zhandos Tauanov, Moon-Deock Kim, **Argha Sarkar**, V Navakoteswara Rao, PrGO decorated TiO₂ nanoplates hybrid nanocomposite for augmented NO₂ gas detection with faster gas kinetics under UV light irradiation, *Sensors and Actuators B: Chemical*, <https://doi.org/10.1016/j.snb.2022.131503>, 2022 (SCI)
13. Ch. Ravikumar, **P. Sivananthamaitrey**, P. Rajesh Kumar, Semi-Blind Watermarking of Digital Images using Evolutionary Algorithms, *Design Engineering*, 2022 (Scopus)

Conference Publications

1. L. Singh, **P. Pareek**, A. Dixit and V. Agarwal, "A compact Kerr effect based Plasmonic Logic Device for Nanotechnology Applications," 2022 International Conference on Numerical Simulation of Optoelectronic Devices (NUSOD), 2022, pp. 41-42, doi: 10.1109/NUSOD54938.2022.9894785.
2. **P. Pareek**, L. Singh, R. Ranjan, N. Malviya and V. Agarwal, "Examination of Resonant Cavity Enhanced Strain Compensated SiGeSn/GeSn Interband MQWIP," 2022

International Conference on Numerical Simulation of Optoelectronic Devices (NUSOD), 2022, pp. 11-12, doi: 10.1109/NUSOD54938.2022.9894740.

3. R. Ranjan, **P. Pareek** and N. Malviya, "Numerical Analysis of Electrically Pumped Si-GeSn/GeSn Quantum Well Transistor Laser," 2022 International Conference on Numerical Simulation of Optoelectronic Devices (NUSOD), 2022, pp. 73-74, doi: 10.1109/NUSOD54938.2022.9894800.
4. V. Agarwal, **P. Pareek**, L. Singh and V. Chaurasia, "Design and Performance Analysis of All Optical Half Adder based on Carrier Reservoir SOA -Mach Zehnder Interferometer (MZI) Configuration.," 2022 International Conference on Numerical Simulation of Optoelectronic Devices (NUSOD), 2022, pp. 43-44, doi: 10.1109/NUSOD54938.2022.9894752
5. N. Malviya, R. Ranjan and **P. Pareek**, "Design of Slot Waveguide based Directional Coupler for Optical Sensing of low concentration of Ethanol in Water," 2022 International Conference on Numerical Simulation of Optoelectronic Devices (NUSOD), 2022, pp. 155-156, doi: 10.1109/NUSOD54938.2022.9894810.
6. S. Pranavan, S. Bano, K. K. Tiwari, **P. Pareek**, M. S. Narayana and D. Gangodkar, "Non - Linear Analysis with Experiment of Rc Tower with wind Loading Telecommunication," 2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), 2022, pp. 1038-1042, doi: 10.1109/ICACITE53722.2022.9823647. (Scopus)
7. A. Jain, K. K. Ramachandran, S. Sharma, T. Sharma, **P. Pareek** and B. Pant, "Detailed Investigation of Influence of Machine learning (ML) and Big Data on Digital Transformation in Marketing," 2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), 2022, pp. 1061-1065, doi: 10.1109/ICACITE53722.2022.9823810. (Scopus)
8. Ruben Jose Tom; Awanit Kumar; Syed Basha Shaik; Lydia D Isaac; Vikas Tripathi; **Prakash Pareek**, Car License Plate Detection and Recognition Using Modified U-Net Deep Learning Model, 10.1109/ICSS54381.2022.9782176. 2022 (Scopus)
9. Priti Maheshwary; W. Vinu; P. Velvadivu; Surendra Kumar Shukla; Prabhat Kumar Srivastava; **Prakash Pareek**, Artificial Intelligence for the Classification of

- Neuromuscular Diseases Using Dominant MUAP, 10.1109/ICSSS54381.2022.9782227. 2022 (Scopus)
10. Purna Satish A, Tejaswini A, Pavan Kumar Ch, Asharf A, Akash K, **M K V Subba Reddy**, Performance Measures of Spatially Multiplexed MIMO-OFDM System using Different Modulation Techniques, 10.1109/ICAECT54875.2022.9807892, 2022 (Scopus).
 11. C. M. Krishna, E. J. Satapathy, N. Suguna, S. Singh, G. S. V. Padmakar and **R. B. Kumar**, "Design and Realization of Wideband 4 - Element Printed MIMO Antenna for X-Ku-Band Satellite and Limited K - Band Short range Applications," 2022 International Conference on Electronic Systems and Intelligent Computing (ICESIC), 2022, pp. 229-234, doi: 10.1109/ICESIC53714.2022.9783527. 2022 (Scopus).
 12. C. R. Kumar, **P. Sivananthamaitrey** and P. R. Kumar, "An Optimized Semi-blind Watermarking Technique for Digital Images using Bat Algorithm," 2022 International Conference on Computing, Communication and Power Technology (IC3P), 2022, pp. 167-171, doi: 10.1109/IC3P52835.2022.00042. 2022 (Scopus).
 13. **N. Padmavathy and G. Srilakshmi**, Approaches to Detect Migraine using EEG Signals: A Review (January 27, 2022). Available at SSRN: <https://ssrn.com/abstract=4019634>, pp.1-13, 2022 (SCOPUS).
 14. **Ch.Venkateswara Rao, M. V. Pathi** and B. S. S. A, "Arduino based Electronic Voting System with Biometric and GSM Features," 2022 4th International Conference on Smart Systems and Inventive Technology (ICSSIT), 2022, pp. 685-688, IEEE Xplore, doi: 10.1109/ICSSIT53264.2022.9716452. 2022 (SCOPUS).
 15. **Ch. V. V. S. Srinivas**, A. Vijjapu, **N. D. N. Lakshmi and S. V. S. N. Murthy**, "Mutual Noise Estimation Algorithm for Video Denoising," 2022 International Conference on Computer Communication and Informatics (ICCCI), 2022, pp. 1-6, IEEE Xplore, doi: 10.1109/ICCCI54379.2022.9740738. 2022 (SCOPUS).
 16. **G. P. Kumar, M. Dileep, B. V. V. Satyanarayana** and S. P. Manikanta, "Modified Channel Estimation Techniques for DCT based OFDM Systems," 2022 International Conference on Computer Communication and Informatics (ICCCI), 2022, pp. 1-6, IEEE Xplore, doi: 10.1109/ICCCI54379.2022.9740842. 2022 (SCOPUS).
 17. Ch.Murali Krishna S.J.Mohan Rao, M.Ravi, J.Prasanth Kumar, N.V.D.P.Murthy **M.K.V.Subbareddy**, Asymmetric CPW - Fed Monopole Antenna With Hybrid Slots for

Bandwidth Enhancement, the 4th IEEE Indian Conference on Antennas and Propagation, [10.1109/InCAP52216.2021.9726505](https://doi.org/10.1109/InCAP52216.2021.9726505), IEEE Xplore, 2022 (SCOPUS).

18. **B Elisha Raju, Abdul Rahaman Shaik, Prudhvi Raj Budumuru, K Ramesh Chandra**, Glaucoma Identification Based on Segmentation and Fusion Techniques, IEEE International Conference on Advances in Computing, Communication, and Control (ICAC3'21) <https://ieeexplore.ieee.org/document/9697174>, IEEE Xplore, 2022 (SCOPUS).
19. R. P. Chand, V. B. Sri, P. M. Lakshmi, S. S. Chakravathi, O. D. M. Veerendra and **Ch Venkateswara Rao**, "Arduino Based Smart Dustbin for Waste Management during Covid-19," 2021 5th International Conference on Electronics, Communication and Aerospace Technology (ICECA), 2021, pp. 492-496, doi: [10.1109/ICECA52323.2021.9676003](https://doi.org/10.1109/ICECA52323.2021.9676003). IEEE Xplore, 2022 (SCOPUS).
20. Bhaavan Sri Sailesh A, Sudha Madhavi A, Venkata Pavan G, Sravanthi I, Karthik Sai Kiran B, **Ch. Venkateswara Rao**, "Arduino based Smart Street Light System," 2021 3rd International Conference on Advances in Computing, Communication Control and Networking (ICAC3N), 2021, pp. 657-660, IEEE Xplore, doi: [10.1109/ICAC3N53548.2021.9725439](https://doi.org/10.1109/ICAC3N53548.2021.9725439). 2022 (SCOPUS).
21. K. B. N. Sai Sumanjali, K. V. Sai Vinay, M. M. Pasha, M. P. Sujji, N. S. Kumar and **P. R. Budumuru**, "Arduino Based Smart Glove for Visually Impaired," 2021 5th International Conference on Electronics, Communication and Aerospace Technology (ICECA), pp. 267-271, doi: [10.1109/ICECA52323.2021.9676164](https://doi.org/10.1109/ICECA52323.2021.9676164), IEEE Xplore, 2022 (SCOPUS).
22. **Manaswi D**, Durga Prasad R, Balaji Naiak M, Murali Krishna Ch and **Durga Prasad D**, Circular Arcs Loaded on Monopole Antenna for 5G Emerging and Ka - band Applications, 2nd International Conference on Communication, Computing & Industry 4.0-2021 (C2I4 2021), 16th & 17th December 2021, [10.1109/C2I454156.2021.9689400](https://doi.org/10.1109/C2I454156.2021.9689400), pp.1-5, IEEE Xplore, 2022 (SCOPUS).
23. **Abdul Rahaman Shaik, N Durga Naga Lakshmi, Ch V V S Srinivas**, Delivery Robot Using GPS Technology, IEEE ICCICA21, IEEE Explore, <https://ieeexplore.ieee.org/document/9697159>, 2022, (SCOPUS)

24. B. Illuri, V. B. Sadu, E. Sathish, M. Valavala, T. L. D. Roy and **G. Srilakshmi**, "A Humanoid Robot for Hand-Sign Recognition in Human-Robot Interaction (HRI)," 2022 Second International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT), 2022, pp. 1-5, doi: 10.1109/ICAECT54875.2022.9808034. (SCOPUS) 2022

Book Chapter Publications:

1. Venkatrao, K., Sriramam, Y.S.S., Suguna, N., Tirumani, N.P., **Rama Krishna, C.**, Murali Krishna, C. (2023). Modern Four-Port MIMO Antenna Design Using Bended Curves for 5G Communications. In: Gupta, D., Khanna, A., Hassanien, A.E., Anand, S., Jaiswal, A. (eds) International Conference on Innovative Computing and Communications. Lecture Notes in Networks and Systems, vol 492. Springer, Singapore. https://doi.org/10.1007/978-981-19-3679-1_59, (Scopus). 2022
2. **Ch V. V.S. Srinivas** , **Srilakshmi Gubbala** , **N. Durga Naga Lakshmi**, Human Emotion Classification Based on Speech Enhancement Using Neural Networks, Advanced Machine Intelligence and Signal Processing, Lecture Notes in Electrical Engineering, Lnee Book Series Of Springer link, 2022 (Scopus)
3. Mulagala Sandhya , Tanmay Dhopavkar, Dilip Kumar Vallabhadas, Jayaprakash Palla, **Mulagala Dileep**, and Sriramulu Bojjagani, Leukocyte Sub typing Using Convolutional Neural Networks for Enhanced Disease Prediction, Advanced Machine Intelligence and Signal Processing, Lecture Notes in Electrical Engineering, Lnee Book Series Of Springer link, 2022 (Scopus)
4. **Prabhakara Rao, A.**, **Prasanna Kumar, G.**, Ranjan, R. (2022). Performance Comparison of Classification Models for Identification of Breast Lesions in Ultrasound Images. In: Gupta, D., Goswami, R.S., Banerjee, S., Tanveer, M., Pachori, R.B. (eds) Pattern Recognition and Data Analysis with Applications. Lecture Notes in Electrical Engineering, vol 888. Springer, Singapore. https://doi.org/10.1007/978-981-19-1520-8_56. (Scopus). 2022
5. **Padmavathy, N.**, Chinniah, M.C., **Ravi Varma, K.** (2022). Estimation of Electromagnetic Pollution Index of Macrocell. In: Gupta, D., Goswami, R.S., Banerjee,

- S., Tanveer, M., Pachori, R.B. (eds) Pattern Recognition and Data Analysis with Applications. Lecture Notes in Electrical Engineering, vol 888. Springer, Singapore. https://doi.org/10.1007/978-981-19-1520-8_4(Scopus). 2022
6. Singh, L., **Pareek, P.**, Siddiqui, B., Prasad Konakalla, E. (2022). Investigation of Sensing Ability of Double-Slot Hybrid Plasmonic Waveguide for Liquid Analyte. In: Gupta, D., Goswami, R.S., Banerjee, S., Tanveer, M., Pachori, R.B. (eds) Pattern Recognition and Data Analysis with Applications. Lecture Notes in Electrical Engineering, vol 888. Springer, Singapore. https://doi.org/10.1007/978-981-19-1520-8_34 (Scopus). 2022
 7. Das, S., Jabirullah, M., Afreen, N., **Prabhakara Rao, A., Gayatri Sarman, K.V.S.H.** (2022). Gamma Band: A Bio-Marker to Detect Epileptic Seizures. In: Dash, R.N., Rathore, A.K., Khadkikar, V., Patel, R., Debnath, M. (eds) Smart Technologies for Power and Green Energy. Lecture Notes in Networks and Systems, vol 443. Springer, Singapore. https://doi.org/10.1007/978-981-19-2764-5_29. 2022
 8. **B. Elisha Raju, K.Ramesh Chandra, Prudhvi Raj Budumuru**, A Two-Level Security System Based on Multimodal Biometrics and Modified Fusion Technique. In: Karrupusamy P., Balas V.E., Shi Y. (eds) Sustainable Communication Networks and Application. Lecture Notes on Data Engineering and Communications Technologies, vol 93. Springer, Singapore. https://doi.org/10.1007/978-981-16-6605-6_2, pp.29-39, 2022 (Scopus)
 9. Ch Satish, K Janardhana Gupta, G Jayanth, Ch Sireesha, K Dinesh and **K Ramesh Chandra**, Performance Analysis of Spectrum Sensing in Cognitive Radio Network using an Energy Detector, Innovative Data Communication Technologies and Application, ICIDCA-2021, pp. 447-459, https://link.springer.com/chapter/10.1007/978-981-16-7167-8_32 2022 (Scopus)
 10. **Ch.Venkateswara Rao, Padmavathy, N.** (2022). Effect of Link Reliability and Interference on Two-Terminal Reliability of Mobile Ad Hoc Network. In: Verma, P., Charan, C., Fernando, X., Ganesan, S. (eds) Advances in Data Computing, Communication and Security. Lecture Notes on Data Engineering and Communications Technologies, vol 106. Springer, Singapore. https://doi.org/10.1007/978-981-16-8403-6_51, 2022 (SCOPUS)
 11. **Argha Sarkar**, Santanu Maity, Chapter Name: Fabrication of ZnO and ZnO-heterostructures for Gas Sensing Applications, Book Name: Contemporary Trends in

Semiconductor Devices: theory, experiment, and applications, Springer Nature, 10.1007/978-981-16-9124-9, 2022(Scopus)

12. Katta, M., Sandanalakshmi, R., **Srilakshmi, G.**, Adireddi, R. (2022). An Efficient Learning Model Selection for Dengue Detection. In: Mishra, D., Buyya, R., Mohapatra, P., Patnaik, S. (eds) Intelligent and Cloud Computing. Smart Innovation, Systems and Technologies, vol 286. Springer, Singapore, pp 439–453, https://doi.org/10.1007/978-981-16-9873-6_40, 2022(Scopus)

Book Publications

1. Dr.Mamta Sharma, Dr.Mohan Dholvan,A.Sampath Dakshina murthy, **K.Ramesh Chandra**, Digital Image Processing, Deccan International Academic Publishers, ISSN: 978-93-95191-18-0. (Text Book) ,2022
2. Bhaskar Reddy, Suneela, **Prakash Pareek**, Pavithra, Digital Communication Systems, Notion Press, ISSN: 979-8885696906, 2022

2021 FACULTY PUBLICATIONS

Journal Publications

1. Choudhary, S., Sugumaran, S., Belazi, A. et al. Linearly decreasing inertia weight PSO and improved weight factor-based clustering algorithm for wireless sensor networks. J Ambient Intell Human Comput (2021). <https://doi.org/10.1007/s12652-021-03534-w> 2021 (SCOPUS).
2. M. Durga Prakash, B. Vamsi Krsihna, **B. V. V. Satyanarayana**, N. Arun Vignesh, AsisaKumar Panigrahy & Shaik Ahmadsaidulu "A Study of an Ultrasensitive Label Free Silicon Nanowire FET "International Journal on Silicon, <https://doi.org/10.1007/s12633-021-01352-5>, September 2021(SCI)
3. M.N. Sudha M. Rajendiran Mariusz Specht Kasarla Satish Reddy, **S. Sugumaran**, A low-area Design of Two Factor Authentication using DIES and SBI for IoT Security",The Journal of Supercomputing, <https://doi.org/10.1007/s11227-021-04022-w>, 2021(SCI)
4. J. Stanly, N.M. Devarajan, R. Pérez de Prado , **S. Sugumaran**, B.D.Parameshachari, "A Systematic Review of Energy Management Strategies for Resource Allocation in the Cloud: Clustering, Optimization and Machine Learning", Intenational Journal on MDPI,2021, Energies. 2021; 14(17):5322,pp.1-18, <https://doi.org/10.3390/en14175322> 2021 (SCI)
5. **A. Prabhakara Rao**, Saugata Sinha, Performance comparison of acoustic lens based photoacoustic image reconstruction with algorithm based reconstruction techniques, Optik - International Journal for Light and Electron Optics (Elsevier), Vol 243, pp.1-17, 2021 (SCI)
6. Ravi Ranjan, **Prakash Pareek**, Mukul Kumar Das, Saurabh Kumar Pandey, Numerical design and frequency response of MQW transistor lasers based entirely on group IV alloys, Journal of Computational Electronics, <https://doi.org/10.1007/s10825-021-01732-5>,pp. 1-9, 2021(SCI).
7. **Sivananthamaitry P**, P. Rajesh Kumar , Optimal Dual Watermarking of Color Images with SWT and SVD through Genetic Algorithm, Circuits, Systems and Signal Processing, <https://doi.org/10.1007/s00034-021-01773-y> ,2021 (WOS)

8. **Gayatri Sarman, K.V.S.H.**, Madhu, T. & Mallikharjuna Prasad, A. Fault diagnosis of BLDC drive using advanced adaptive network-based fuzzy inference system. *Soft Comput* (2021). <https://doi.org/10.1007/s00500-021-06046-z> , 2021(WOS)
9. Rangarao Orugu, M.Nesha Sudha, Triangular fractal loaded reconfigurable antenna with notch band characteristics, *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, 10.1002/jnm.2806 ,2021 [SCI]
10. N Padmavathy and Venkateswara Rao Ch, Reliability Evaluation of Underwater Sensor Network in Shallow Water Based on Propagation Model, *ICASSCT 2021, IOP Journal of Physics: Conference Series*, pp.1-17, doi:10.1088/1742-6596/1921/1/012018, 2021(WOS)
11. **Prakash Pareek**, Ravi Ranjan, Numerical Examination of Detectivity in Group-IV alloy based Infrared Photodetector, *International Conference on Computational Intelligence and Energy Advancements (ICCIEA-2020)*, *IOP Journal of Physics Conference Series*, pp. 1-6,doi:10.1088/1742-6596/1817/1/012022, 2021(WOS)
12. **B. V. V. Satyanarayana** and M. DurgaPrakash, Design analysis of GOS-HEFET on lower Subthreshold Swing SOI, *Analog Integrated Circuits and Signal Processing*, pp.1-12,<https://doi.org/10.1007/s10470-021-01821-2>, 2021 (SCI).
13. V Srinadh , Mannava Srinivasa Rao , Manas Ranjan Sahoo and **K.Rameshchandra**, An Analytical Study on Security and Future Research of Internet of Things, *Materials Today:Proceedings*, pp.1-8, <https://doi.org/10.1016/j.matpr.2020.12.342>, 2021(SCOPUS)
14. Manisha Sawant, Sameer Thakare, **A. Prabhakara Rao**, Andrés E. Feijóo-Lorenzo and Neeraj Dhanraj Bokde, A review on state-of-the-art reviews in wind turbine and wind farms related topics, *Energies* 2021, 14, 2041, pp.1-30, <https://doi.org/10.3390/en14082041>, 2021 (SCOPUS).
15. **A.Sarkar**, M.Sreenath , **K.Srinivas** , N V Teja, Investigation of Graphene as a Sensing Layer for Future Prostate Cancer Biosensing Applications, *ICASSCT 2021, IOP Journal of Physics: Conference Series*, 1921(2021) 012038, pp.1-9, doi:10.1088/1742-6596/1921/1/012038, 2021 (WOS)
16. Caleb Meriga, Ravi Teja Ponnuri, **B. V. V. Satyanarayana**, A. Arun Kumar Gudivada, Asisa Kumar Panigrahy & M. DurgaPrakash, A Novel Teeth Junction Less Gate All Around FET for Improving Electrical Characteristics, *Silicon*, <https://doi.org/10.1007/s12633-021-00983-y>, 2021 (SCIE/SCOPUS) (IF-1.499)

17. **M.V.R.V.Prasad, M.Sirisha, R.Bharath Kumar**, Estimating the Age of the Human by using Fuzzy Logic and Image Processing, International Journal for Research in Applied Science & Engineering Technology (IJRASET), 9(1),pp.408-413, Jan 2021. I.F: 7.429 (GS)
18. Venkateswara Reddya, S. Saravana Kumarb, **S. Sugumaran** , K.Lavanyad, Design and development of artificial intelligence (AI) based board game (Gobang) using android, Elsevier : “Materials Today: Proceedings”, pp.1-9, <https://doi.org/10.1016/j.matpr.2020.12.1144>, 2021 (IF-1.9) (Scopus)
19. Lokendra Singh, **Prakash Pareek**, Gabriel Mohan Kumar & Dhanapalan Revathi, Plasmonics “A Microscale Numerical Analysis of Ex-OR and Ex-NOR Logic Gates by Using Single, Plasmonic, Springer, <https://doi.org/10.1007/s11468-020-01365-7> ,2021. (SCI)
20. Vikram Teja, **Argha Sarkar**, Mayuri Kundu, M . Sreenath, Characterization of Ag/Ti Schottky contact on ZnO thin film under UV exposure, Materials Today: Proceedings (ELSEVIER), pp.1-3, <https://doi.org/10.1016/j.matpr.2020.09.838>, 2021 [ELSEVIER, Scopus]
21. **B. V. V. Satyanarayana** and M Durga Prakash, Lower Subthreshold Swing and Improved Miller Capacitance Heterojunction Tunneling Transistor with Overlapping Gate, Materials Today:Proceedings,45(2), pp. 1997-2001, <https://doi.org/10.1016/j.matpr.2020.09.420>, 2021 [Scopus]
22. GV Pavan Kalyan, **Argha Sarkar**, C. Aswini, and Pinaki Chakraborty, Characterization of CNT and It’s carrier mobility dependency on diameter in Back-Gated CNT-FET , Materials Today: Proceedings, 45(4), pp.3869-3873 <https://doi.org/10.1016/j.matpr.2020.06.274>, 2021 [Scopus].
23. **Addanki Purna Ramesh**, Y.Sujatha, K.N.V.S. Vijaya Lakshmi, Modified multi mode digital modulator using ternary logic, Materials Today: Proceedings, 2021, <https://doi.org/10.1016/j.matpr.2021.03.309>, 2021 (Scopus)
24. Lokendra Singh, Guo Zhu, G. Mohan Kumar, D. Revathi, **Prakash Pareek**, “Numerical simulation of all-optical logic functions at micrometer scale by using plasmonic Metal-Insulator-Metal (MIM) waveguides”, Optics and Laser Technology (Elsevier), Vol. 135, 106697 (pp.1-8), 2021. DOI: <https://doi.org/10.1016/j.optlastec.2020.106697>, 2021(SCI),

Conference Publications

1. **K. Rameshchandra, A.M.V.Pathi, N.V.Satyanarayana and Prudhvi Raj Budumuru** “Received Signal Strength (RSS) based channel modelling, localization and tracking”, 2021 2nd International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS), pp. 243-246, IEEE Xplore, 10.1109/ACCESS51619.2021.9563331, 2021 (Scopus)
2. **M.K.V.Subbareddy, D. D. Prasad, V. L. N. Phani Ponnappalli, A. M. V. Pathi, J. P. Kumar and C. M. Krishna,** "Asymmetric fed Quad band Monopole Antenna for 5G and Space Applications," 2021 Emerging Trends in Industry 4.0 (ETI 4.0), 2021, pp. 1-6, doi: 10.1109/ETI4.051663.2021.9619216, 2021 (SCOPUS)
3. **V.Rohith,R.Anand,R.Malavika,S.Sharu, K.Ramesh Chandra,** Spectral and Energy Efficient Index Modulation Techniques For 5G Wireless Networks, ICESC-2021, IEEE Explore, pp. 1062-1069, 10.1109/ICESC51422.2021.9532757, 2021 (Scopus)
4. **G. Manoranjan, M. Chandan, G. Karthik, R. Satpathy and S. Sugumaran,** "Security against SSDF attacks using Novel Attack Mitigation Mechanism for Cognitive Radio Networks," 2021 Fourth International Conference on Electrical, Computer and Communication Technologies (ICECCT), 2021, pp. 1-6, doi: 10.1109/ICECCT52121.2021.9616649. 2021(SCOPUS)
5. **N.V.Satyanarayana, S.Krishna, R.Bharathkumar,** Review On Compressors Based Approximate Multipliers Design, 5th International Conference on Computing Methodologies and Communication (ICCMC2021), IEEE explore, pp.1016-1021, 10.1109/ICCMC51019.2021.9418300, 2021 (Scopus)
6. **S.V.S.N.Murthy, B.V.V.Satyanarayana, CH.V.V.S.Srinivas,** Location Tracking and Warning System of a Ship using Arduino, Fifth International Conference on Computing Methodologies and Communication (ICCMC 2021), pp. 1786-1790,IEEE explore , 10.1109/ICCMC51019.2021.9418287, 2021 (Scopus)
7. **Ch Murali Krishna, M Bhavana, D Manisha, T Neha,** Investigation on Graphene based Terahertz Antenna for Medical Imaging, 3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, pp.64-69, IEEE Xplore, 10.1109/ICICV50876.2021.9388563, 2021 (Scopus)
8. **Aravind Kumar M, Rameshchandra K and Srinivas Bachu,** FRCAPE: Frequency Re-

- configurable Co-planar Antenna Using Parasitic Elements, IEEE International Conference on Advent Trends in Multidisciplinary Research and Innovation (ICATMRI-2020), IEEE Xplore, pp.1-5, 10.1109/ICATMRI51801.2020.9398416, 2021 (Scopus)
9. **Prudhvi Raj Budumuru, G Prasannakumar & B Elisha Raju**, Hiding an Image in an Audio File using LSB Audio Technique, 2021 International Conference on Computer Communication and Informatics (ICCCI 2021), IEEE Xplore, pp.1-4, 10.1109/ICCCI50826.2021.9402476, 2021 (WOS)
 10. **Rangarao Orugu**, Nesasudha M, A Frequency Tunable Hexagon Shaped Antenna for 5.8GHz-WiFi and Sub 6 - 5G Mobile IoT Applications, 2021 International Conference on Computer Communication and Informatics (ICCCI 2021), IEEE Xplore, pp.1-4, 10.1109/ICCCI50826.2021.9402484, 2021 (WOS)
 11. Ch Murali Krishna, **D Durga Prasad, Ch Rama Krishna, O Ranga Rao**, P Krishna Kanth Varma, J Prasanth Kumar, Design And Analysis of Tortoise Shaped Quadband Antenna for C & Ku – Band Applications, 2021 International Conference on Computer Communication and Informatics (ICCCI 2021), IEEE Xplore, pp.1-5, 10.1109/ICCCI50826.2021.9402698, 2021 (WOS)
 12. **Ch Murali Krishna, D Durga Prasad, Ch Rama Krishna, M K V Subba Reddy**, Design and Analysis of Bow-tie Antenna for Sub – 6ghz Applications, 2021 International Conference on Computer Communication and Informatics (ICCCI 2021), IEEE Xplore, pp.1-5 10.1109/ICCCI50826.2021.9402455, 2021 (WOS)
 13. **P. Pavan Kumar**, Ramesh Avula, Ch. Rami Naidu, **N Santhoshi, K Sai Madhuri, L Latha Sri**, Space Filled Hybrid Multiband Antenna for S – C – X Band Applications, 5th International Conference on Computing Methodologies and Communication Computing Methodologies, IEEE Xplore, pp.131-136, 10.1109/ICCCSP52374.2021.9465528, 2021 (Scopus)

Book Chapter Publications:

1. **Argha Sarkar**, R Suresh.,**N Padmavathy.**,& C. Aswini, Investigation of Dielectric Dependency on CNTFET Characteristics in Ballistic Regime, Advances in Materials Processing and Manufacturing Applications, LNEE (through ICADMA 2021, DOI:https://doi.org/10.1007/978-981-16-0909-1_27 2021(SCOPUS)

2. **Rameshchandra K**, Madhusudan Donga and **Prudhvi Raj Budumuru**, Reversible Data Hiding using secure Image Transformation Technique, 5th International Conference on Inventive Systems and Control (ICISC-2021), Lecture Notes in Networks and Systems (Springer- Scopus), pp.657-668 DOI: 10.1007/978-981-16-1395-1_49, 2021 (Scopus)
3. Rakesh Ranjan , **A. Prabhakara Rao** , Anish Vishwakarma, Automatic Removal of Eye Blink Artefacts from EEG Data using Spatio-Temporal Features, International conference on Innovative Computing and Communication (ICICC-21), Advances in Intelligent Systems and Computing, vol 1388. Springer, Singapore. https://doi.org/10.1007/978-981-16-2597-8_1, 2021(Scopus)
4. Mulagala Sandhya, Ujas Rudani, Shubham Rathod, Dilip Kumar Vallabhadas, **Mulagala Dileep**, Sriramulu Bojjagani, Sravya Pallantla and P. d. s. s Lakshmi Kumari, Deep Neural Networks with Multi-Class SVM for Recognition of Cross-Spectral Iris Images, Symposium on Machine Learning and Metaheuristics Algorithms, and Applications (SoMMA'20), pp.29-41, Springer, https://doi.org/10.1007/978-981-16-0419-5_3, 2021 (Scopus).
5. **Sugumaran S., Lakshmi D.N.**, Choudhary S. An Overview of FTTH for Optical Network. In: Agrawal R., Kishore Singh C., Goyal A. (eds) Advances in Smart Communication and Imaging Systems. Lecture Notes in Electrical Engineering, vol 721. Springer, Singapore. https://doi.org/10.1007/978-981-15-9938-5_6, 2021 (Scopus)
6. Mulagala Sandhya, **Mulagala Dileep**, A Narayana Murthy and Md.Misbahuddin,” Fingerprint Cryptosystem using Variable Selection of minutiae points” 3rd International Conference on Data Engineering and Communication Technology (ICDECT-2019), In book: Data Engineering and Communication Technology , pp.359-369, 10.1007/978-981-15-1097-7_30, 2021(WOS)
7. Padmavathy, N. (2021). Reliability Evaluation of Environmentally Affected Mobile Ad Hoc Wireless Networks. In: Hura, G., Singh, A., Siong Hoe, L. (eds) Advances in Communication and Computational Technology. Lecture Notes in Electrical Engineering, vol 668. Springer, Singapore. https://doi.org/10.1007/978-981-15-5341-7_98

2020 FACULTY PUBLICATIONS

Journal Publications

1. **Akuri Naga Ganesh**, Madhava Rao Alla, **D.Manaswi, K.Kiran**, An Efficient Dignosis Pattern generation procedure for multi faults in digital circuits, Solid State Technology, 2020 IF-0.11 (Scopus)
2. B. Venkata Sai Kumar, **N. Padmavathy**, A Hybrid Link Reliability Model for Estimating Path Reliability of Mobile Ad Hoc Network, Procedia Computer Science , pp. 2177 - 2185, 2020 [SCI]
3. **Argha Sarkar**, Bindu Swetha Pasuluri, C. Aswini, and **Mayuri Kundu** , Analysis of dielectric and temperature impact on co-axial CNTFET characteristics using NEGF, Materials Today: Materials Today: Proceedings 43, Elsevier, pp. 3725–3728, <https://doi.org/10.1016/j.matpr.2020.10.984> , Dec 2020 [Scopus].
4. D. Chandirasekaran, **S.Sugumaran**, A Real Time-Based Optimized Node Localization Technique For Wireless Sensor Networks, International Journal of Electrical Engineering and Technology (IJEET), Volume 11, Issue 8, pp. 62-73, 2020 [Scopus]
5. N Harathi, **Argha Sarkar**, TiO₂ based Surface Acoustic Wave Gas Sensor with Modified Electrode Dimensions for Enhanced H₂ Sensing Application, International Journal of Nano Dimension, 12 (1), pp. 83-89, 2020, [WOS]
6. **S. Sugumaran, N Durga Naga Lakshmi**, Jabeena A, Utilization of FWM as a wavelength converter for all optical networks, Journal Of Critical Reviews, 7(5), pp.1467-1478, 2020 (Scopus)
7. Madhusudan Donga, Asha Korada, **Prudhvi Raj Budumuru**, Removal of impulse noise from a noisy image by using adaptive median filter, Journal of Xi'an University of Architecture & Technology , Volume XII, Issue V, 2020, (Google Scholar)
8. **B.Prudhvi Raj**, L.T.S.Sai Sarath, M.J.Prudhvi Raju, N.Akhil, P.Dinakar, Smart Home Security System Using Raspberry Pi3 Model B+ Interfacing with IOT, JETIR May 2020, Volume 7, Issue 5,pp.663-667. 2020 (GS)

9. **S.V.S.N.Murthy, K.Ramesh Chandra, A.M.V.Pathi**, Web Centralized System To Perceive Deficient Street Light Cautiously Optimistic, International Journal on Research and Analytical Reviews (IJRAR),7(2),pp:767-770, 2020. (GS)
10. **K Ramesh Chandra, CH V V S Srinivas**, Ultra Low Power Design of Full Adder Circuit using Adiabatic Logic Techniques, International Journal for Research in Applied Science & Engineering Technology (IJRASET),8(5),1340-1350,2020. (GS)
11. **Prudhvi Raj Budumuru** , Madhu Sudhan Donga, Asha Korada, A new Spatial Domine Filter for Impulse Noise Removal with Improved Accuracy Based on Multiple Conditions, International Journal on Innovative Technology and Exploring Engineering (IJITEE), 2020. (SCOPUS)
12. **D. Durga Prasad, M. Dileep, Ch. Rama Krishna**, Design and Implementation of Full Adder using Different XOR Gates, International Journal of Innovative Technology and Exploring Engineering, 9(4), pp.1422-1426, 10.35940/IJITEE.C8891.029420 ,2020. (Google Scholar)
13. G Rajesh Kumar, Mohiul Islam, **G. Prasanna Kumar**, Design And Performance Analysis of High- Speed Blowfish Cryptosystem, TEST engineering and management,82, pp.3181 – 3186,2020. (SCOPUS)

Conference Publications

1. **Ch Murali Krishna**, M Ravi, **B Elisha Raju**, Investigation of Hexagonal Antenna with ring resonators, 4th IEEE International Conference on Electronics, Communication and Aerospace Technology, IEEE Xplore, pp.569-574, 10.1109/ICECA49313.2020.9297482, 2020 (Scopus)
2. **Ch.Murali Krishna**, P Sai Harshitha, D Mounikeswari, Multiband DMA – DGS Antenna for Radar Applications, 4th IEEE International Conference on Electronics, Communication and Aerospace Technology, IEEE Xplore, pp.580-585 , 10.1109/ICECA49313.2020.9297538 , 2020 (Scopus)
3. **Ch.Murali Krishna**, M Mamatha, J Prasanth Kumar, Mickey Mouse Modeled MIMO Antenna for Extended UWB Applications, 4th International Conference On Computing Methodologies And Communication (ICCMC 2020). 11-13, 10.1109/ICCMC48092.2020.ICCMC-00097, March 2020. 2020.(SCOPUS)
4. Sai Ch, Udaya and Ch, Kiran and H.S.S.R.A, Kumar and I.G, Sonu and B, Sumanjali and

N, Padmavathy, Estimation of White Blood Cell Abnormality (April 13, 2020). Proceedings of the International Conference on Advances in Electronics, Electrical & Computational Intelligence (ICAEEC) 2019, Available at SSRN: <https://ssrn.com/abstract=3574545> or <http://dx.doi.org/10.2139/ssrn.3574545>

Book Chapter Publications:

1. Mayuri Kundu, **Argha Sarkar**, Innovative and Effective Teaching Strategies for Online Education, Innovative Teaching and Learning Process during COVID 19, © IOR INTERNATIONAL PRESS, pp.51-53, ISBN 978-93-89631-66-1 ISBN (eBook) 978-93-89631-67- 8 <https://doi.org/10.34256/iorip202>, Nov,2020
2. **Ch Murali Krishna**, K N G S S Nikhitha, M R Yavanika, N Bhanusri, Recent developments in Engineering & Technology: Circular Arcs Loaded Moore Curve Fractal Antenna for Multiband Applications, ANVI Books & Publishers, New Delhi, 978-81-946168-4-9, Nov 2020 (others)

2019 FACULTY PUBLICATIONS

Journal Publications

1. **M. Vamsi Kumar, K.V. Satyanarayana, Addanki Purna Ramesh**, Design of Ku Band Microstrip Patch Antenna Array for Satellite Applications, International Journal of Recent Technology and Engineering, 2019. (SCOPUS)
2. **D. Manaswi, G. Srilakshmi, K. Kiran**, Implementation of Low-Power Built in Test Compression Capabilities in Programmable PRPG, International Journal of Advanced Science and Technology(IJAST),28(16), pp.641-650,2019. (SCOPUS)
3. **Addanki Purna Ramesh, Manukonda Dheeraj**, Dual Image Signature Method using DWT and SVD in YCbCr Colour Space, International Journal of Innovative Technology and Exploring Engineering (IJITEE), 9(1), pp.1471-1476, 2019. (SCOPUS)
4. **P. Sivananthamaitrey, V. Venkata Krishna, Addanki Purna Ramesh, P. Satyanarayana Murty**, “A Dual Security Scheme Based On DWT for Personnel Authentication”, International Journal of Engineering and Advanced Technology ,9(1),pp.598-602, 2019 (SCOPUS)
5. **D. Manaswi**, Vijaya Durga Ravva, Swapna Thouti, “Implementation Of Low Power Optimizing Chein Search Usage in the BCH decoder”, International Journal of innovative technology and exploring engineering, 8(12), pp.1401-1405,2019. (SCOPUS)
6. **Rahaman Shaik Abdul, Ch.V.V.S.Srinivas , K.Kiran**, Electronic Assistance for Paralysed Using Eye Blink Detection, International Journal of Engineering Research And Applications, 9(8), pp.63-69, 2019. .(UGC Approved)
7. **P. H. S. Prudvi Raju, B. V. V. Satyanarayana, Addanki Purna Ramesh**, Strategic Development of Low Power High Speed SRAM Array Design, International Journal of Engineering and Advanced Technology,8(6),pp.4280-4285, 2019. .(SCOPUS)
8. **Ch.V.V.S.Srinivas, A.K.Chaitanya Varma**, Android App Based Circuit Breakers Controlling For Lineman Safety, International Journal of Management, Technology And Engineering, 9(9), pp.231-241,2019. (UGC Approved)
9. **Addanki Purna Ramesh**, Implementation of Low Power Carry Skip Adder using Reversible Logic, International Journal of Recent Technology and Engineering, 8(3),

- pp.2825-2832, 2019. .(SCOPUS)
10. **Addanki Purna Ramesh**, Implementation of Low Power High Speed Adder's using GDI Logic, International Journal of Innovative Technology and Exploring Engineering , 8(11), pp.1291-1298, 2019.(SCOPUS)
 11. **CH.V.V.S.Srinivas, M. V. R. V. Prasad, M. Sirisha**, "Remote Sensing Image Segmentation using OTSU Algorithm", International Journal of Computer Applications (0975 –8887), Volume 178 – No. 12, pp.46-50, May 2019. (UGC Approved)
 12. **A.K.C.Varma, M.V.R.V.Prasad, A.Madhvi**, "Vehicle Number Plate Detector", International Journal of Computer Applications (0975 –8887), Volume 178 – No. 13, pp.12-15, May 2019. (UGC Approved)
 13. **R.Bharat Kumar, CH. V. V. S. Srinivas, Abdul Rahaman Shaik**, " Image Forensic Analysis And Recognition In Copy-Move Using Bag Of Features And Svm", International Journal of Engineering Trends and Technology (IJETT) – Volume 67 Issue 5, pp.1-6, May 2019. (UGC Approved) .(UGC Approved)
 14. Prasanthi Boyina and **M.K.V.Subba Reddy**, "An Efficient Area And Delay Reduction For Architecture of 512 Bit Carry Select Adder", International journal of management, technology and engineering. 9(4), pp. 3174-3179, March 2019.(UGC Approved)
 15. M.Gopi Sridhar and **K,V.Satyanarayana**, "Interference suppression in wireless communications by adaptive beam forming algorithm and windows" International Journal of Engineering & Technology (UAE), 8(3), pp. 335-338, 2019.(SCOPUS)
 16. **K.Kiran, M.V.R. V. Prasad and M. Sirisha** ," Reduction of Noise in Wireless Devices" International journal of computer applications. Volume 181, No. 44, pp. 50-53, March, 2019. (UGC Approved)

Conference Publications

1. Ravi Varma K and **N. Padmavathy**, Electromagnetic Pollution Index Estimation of Green Mobile Communication, 2nd IEEE International Conference on Intelligent Computing, Instrumentation and Control Technologies(ICICT),pp.59-63, 2019. .(SCOPUS)
2. Bhagyasri G and **G Prasannakumar** , P S N Murthy, "Underwater Image

- Enhancement Using SWT Based Image Fusion and Colour Correction” IEEE International Conference on Intelligent Computing and Control Systems (ICICCS-2019) , May-2019. (SCOPUS)
3. **K.Ramesh Chandra, B.Prudhvi Raj, G.Prasannakumar**, “An Efficient Image Encryption Using CHAOS Theory, IEEE International Conference on Intelligent Computing and Control Systems(ICICCS-2019) , May-2019. (WOS)
 4. **Padmavathy N**, A. Satya Sri Vani, “Effect of Network Parameters on Hop Count Estimation of Mobile Ad Hoc Network”, Third IEEE International Conference on Electrical, Computer and Communication Technologies (IEEE ICECCT 2019), pp. 1-8 2019. (SCOPUS)

Book Chapter Publications:

1. **N Padmavathy**, K. Anusha. “Dynamic Reliability Evaluation Framework for Mobile Ad-Hoc Network with Non-Stationary Node Distribution”, Communication and Computing Systems, Taylor and Francis, pp.333-342, 2019 (SCOPUS)
2. **Padmavathy N**, An Efficient Distance Model for Estimation of the Mobile Ad Hoc Network Reliability, In proceedings of International conference on Intelligent Computing and Communication Technologies, Springer Nature Singapore Pte Ltd. 2020, ICICCT 2019 – System Reliability, Quality Control, Safety, Maintenance and Management, pp.65-74, 2019. (SCOPUS)
3. Rama Krishna Ch, Ch.Prabhu Anand and D.Durga Prasad “Design Of S-Shaped Micro-Strip Patch Antenna for Ka Band Applications” In proceedings of International conference on Intelligent Computing and Communication Technologies, Springer Nature Singapore Pte Ltd. 2020, ICICCT 2019 – System Reliability, Quality Control, Safety, Maintenance and Management, pp.260-268, https://doi.org/10.1007/978-981-13-8461-5_29, 2019. (SCOPUS)

Book Publications

1. K.Sonisharmila, **K.Ramesh Chandra**, “Computer Graphics”, Notion Press, India, ISBN:978-1-68466-944-8, Pages: 262, 2019.

2018 FACULTY PUBLICATIONS

Journal Publications

1. **A.P.Ramesh**,” Novel design of multiplexers using adiabatic logic” International Journal Of Engineering And Technology. 7(4), pp. 5331-5339, 2018 (Scopus)
2. **A.Naga Ganesh**, Michael Cholines Pedapudi, N.V.Apparao, “Design a Glitch Tolerant Adiabatic Dynamic Logic Circuits for Cryptography”, International Journal of Engineering & Technology (UAE), 7 (4.19), pp.402-406, 2018 (SCOPUS)
3. **B.Prasanthi**, “An Efficient Area and Delay Reduction for Architecture of 256 bit Carry Select Adder”, International Journal of Management Technology and Engineering, 8 (X), pp.337-344, 2018. (UGC Approved)
4. **Prasanna Kumar G**,Pushpa Kotipalli, B.T.Krishna, “Multi-Path Pipelined Architecture with twin parallel processing after the second stage for High-Speed FFT ”, International Journal of Engineering & Technology(UAE),7(3.29), pp. 35-38, 2018. (SCOPUS)
5. Trinadh Kumar A.S.S and **B.V.V.Satyanarayana**, “Low Voltage High Speed 8T SRAM Cell For Ultra Low Power Applications”, International Journal of Engineering & Technology (UAE), 7(3.29), pp. 70-74, 2018.(SCOPUS)
6. Ravi Sankar M and **K,V.Satyanarayana**, “Ergodic sum rate of transmitting antenna selection in non-orthogonal multiple access for modern systems” International Journal of Engineering & Technology (UAE), 7(3.29), pp. 61-64, 2018.(SCOPUS)
7. **RangaraoOrugu**, Srilatha Gundapaneni, N.Maryleena, **A.K.Chaitanya Varma**, “Varying Operating Frequency of Concentric Circular Ring Patch Antenna using High Impedance Surface”, International Journal of Engineering & Technology(UAE) ,7(3.29), pp. 57-60, 2018.(SCOPUS)
8. Veerendra Nath Nune and **Addanki Purna Ramesh**, “Novel Design of Multiplexer and Demultiplexer using Reversible Logic Gates”, International Journal of Engineering & Technology (UAE), 7(3.29), pp. 80-87, 2018.(SCOPUS)
9. **Rama Krishna .Ch**, **A. Naga Ganesh**, **D. Durga Prasad**, “Design of Elliptical Shaped Micro- Strip Patch Antenna for Ka Band” International Journal of Research and Analytical Reviews,5(3), pp. 961-965, 2018.(UGC Approved)
10. S.Siva Parvathi Lakshmi Durga, **P.S.N. Murthy**, **K. Srinivas**, “Dual Digit Signature

Using Stationary Wavelet Transform-Singular Value Decomposition”, Global Journal Of Engineering Science And Researches, ISSN 2348 – 8034, pp.522-531, 2018. (Google Scholar)

11. P.Santhosh Teja, **P.S.Maitrey**, “Image Encryption and Performance Analysis Using Elliptical Curve Cryptography”, Global Journal Of Engineering Science And Researches, ISSN 2348 – 8034, pp.512-521, 2018. (Google Scholar)
12. B. Elisha Raju, **P.S.N. Murthy**, “Face Recognition Using DWT-SVD based Feature Extraction Methods”, Global Journal Of Engineering Science And Researches, ISSN 2348 – 8034, pp.499-504, 2018. (Google Scholar)
13. **Sony P, K. Kiran**, Ch. DivyaSusmitha, “Variable Step Size NLMS Algorithm for Speech Dereverberation”, International Journal of Computer Applications,179(39), pp. 44-47,2018. [Google scholar]
14. Raviteja P, **B. V. V. Satyanarayana and D. Durga Prasad**, “Efficient Adaptive Hold Logic Aging-Aware Reliable Multiplier Design using Verilog HDL”,International Journal of Computer Applications, 179(26), pp. 5-12,2018. [Google scholar]

Conference Publications

1. R.Sravani, **K. Srinivas,B.PrudhviRaj**, “Removal of Low Density Impulse Noise from Gray-Scale Images Using New Modified Hybrid Median Filter with Various Sliding Window Sizes”, Proceedings of IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2018), pp. 1750-1754, doi: 10.1109/RTEICT42901.2018.9012348, May-2018. (SCOPUS)
2. **Padmavathy N** and N Suresh Naidu, Fuzzy Logic Applications on Image Enhancement Using Histogram Equalization Technique, International Conference on Applied Science and Technology (ICAST 2018), pp. 39, 2018.

2017 FACULTY PUBLICATIONS

Journal Publications

1. **Sony P, K.Kiran, R. Bharat Kumar**, “Latent Finger Print Matching using FFT and DCT”, International Journal of Computer Applications, 178(6), pp. 27-31,2017. [Google scholar]
2. **A.Naga Ganesh**, M.Bhaskar, “High Speed Synchronization Of On-Chip Interconnect Transceiver Using Mixed Delay Locked Loop”, Suraj Punj Journal For Multidisciplinary Research, 7(11), pp.127-131, 2017. [Google scholar]
3. **Satyanarayana B.V.V** and M Durga Prakash, “Analysis of Heterojunction Tunneling Architectures for Ultra-Low Power Applications,” PONTE International Journal of Sciences and Research, 73(10), pp. 96-107, 2017. (SCOPUS)
4. Sirisha M, **G.Prasanna Kumar, P.S.N.Murty**, “Restoration of Color Images using Image Integration based on SURF Features”, International Journal of Computer Applications, Volume 174(6), pp. 31- 34, 2017. [Google scholar]
5. **Murthy S.V.S.N,B.V.V.Satyanarayana, CH.V.V.S.Srinivas and A.K.C.Varma;** Mobile to Mobile Wireless Power Transfer Technology”,International Journal of Current Research, 9(9), pp.57020-57023, 2017. [Google scholar]
6. Vani V, **P.S.N.Murty**, “Data Hiding Scheme Using DWT and SVD Encryption”, International Journal of Research in computer and communication Technology, 6(8), pp.251-255, 2017. [Google scholar]
7. **Sony Polumatla**, Koteswara Rao.M, **Ch.Divya Susmitha**, “Latent Fingerprint Matching Supported Texture Descriptor Mistreatment Though Transform”, International Journal for Modern Trends in Science and Technology,3(7), pp. 325-328, 2017. [Indexed by Thomson Reuters, Elsevier], [Google scholar]
8. **Subba Reddy M.K.V, A.M.V.Pathi, D.Durga Prasad**, “Self-Testing Techniques for Crypto Devices in HDL Description”, International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC),5(7),pp. 745-748, 2017. [Indexed by Thomson Reuters], (UGC Approved) [Google scholar]

9. Prasanthi K, **K.V. Satyanarayana**, “MIMO Antenna Selection Using Binary Search Algorithm”, International Journal of Scientific Research And Education, 5(7), pp.6793-6803, 2017. [Google scholar] (Paid)
10. Lakshmi Narayana T, **D.Manaswi**, A. Vanaja, K. Srinivasa Rao, “A Novel Series SPSTRF MEMS Switches with High Isolation and Low Actuation Voltage”, Journal of Mechanics and MEMS, 9(1),pp.117-125, 2017. (SCOPUS)
11. Sai Ramya B, M.Ramya, G. V. Sri Sailatha, B. Venkata Sai Kishan, **D.Manaswi**, A.Vanaja, K. Srinivasa Rao, “Design and Analysis of Folded Leg Structured RF MEMS Capacitive Shunt Switch”, Journal of Mechanics and MEMS, 9(1),pp.107-115, 2017. (SCOPUS)
12. D. Ramesh Varma, K. Pavan Raju, **M. V. R. V Prasad**, “Texture Synthesis using Energy Compaction Property of Different Transforms”, International Journal of Computer Applications, 167(8), pp. 16-19, 2017. [Google scholar] (Paid)
13. **M. Hemalatha** and R. Ashok Chaitanya Varma, “Low Power and Area efficient MDC based FFT for Twin Data Streams”, International Journal of Engineering Research and Application, 7(11),pp. 66-74, 2017.
14. G. Rama Krishna, N. **Vijaya Ratnam**, “Implementation of Linear Time Varying Channels for Effective Mitigation of Inter Carrier Interference in OFDM System Model”, International Journal of Scientific Engineering and Technology Research (IJSETR),6(19), pp.3618-3624, 2017. [Google scholar]
15. V. Prasanthi, **CH. Rama Krishna**, “MIMO Self-Heterodyne OFDM Using SCP with Noise”, International Journal of Computer Applications,164(7), pp.10-13,2017. [Google scholar]
16. P. Rajasekhar, **V. Rama Raju**, “BER Performance of 1024 (BPSK, QPSK & QAM) using OFDM over Rayleigh, Rician and Nakagami Fading Channel”, International Journal of Computer Applications,164(7), pp.14-17,2017. [Google scholar]
17. R.V. Phani Sirisha, **G. Prasanna Kumar, P. Satyanarayana Murty**,“A Semi-Blind Self Reference Color Image Watermarking Using Singular Value Decomposition”, International Journal of Computer Applications, 158(5), pp. 12-17,2017. [Google scholar]

18. PrasanthiBoyina, **G.Srilakshmi, V.Rama Raju, K.V.S.H.Gayatri Sarman**,“The Efficient Services in Public Transportation Recommended On Route Guider, Statistical Analysis Google Map For Visualization”, International Journal of Modern Trends in Engineering and Science (IJMTES), 4(1), pp. 15-20, 2017. [Google scholar]

Conference Publications

1. Venkata Saikumar B and **Padmavathy.N**, “A Systematic Approach for Analyzing Hop count and Path Reliability of Mobile Ad Hoc Networks”, Proceedings of IEEE International Conference on Advances in Computing, Communications and Informatics (ICACCI'17), pp.298-303, 2017. (SCOPUS)
2. Divya Aavala and **P. S. N. Murthy**, “Authentication of Digital Visual Data Using Discrete Wavelet Transform and TLBO”, Proceedings of IEEE International Conference on Advances in Computing, Communications and Informatics (ICACCI'17), 2017, pp.131-137, 2017. (SCOPUS)
3. **Venkateshwara Rao Ch., N. Padmavathy**, and Chaturvedi SK, “Reliability Evaluation of Mobile Ad Hoc Networks: With and Without Interference”, Proceedings IEEE 7th International Advance Computing Conference (IACC), pp.233-238, 2017. (SCOPUS)
4. **Padmavathy N**, J. Rama CharanaTeja, Sanjay K. Chaturvedi, “Performance Evaluation of Mobile Ad Hoc Network using Monte Carlo Simulation with Failed Nodes”, Proceedings of Second IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT 2017), pp. 498-504, 2017. (SCOPUS)
5. **Manaswi D** and K. Srinivasa Rao, “Design a Novel Structure of Shunt Configuration Based Switch via Asymmetric Structures,” Proceedings of International Conference on Computing Communication and Sensor Network, pp. 1-8, 2017.
6. **RangaraoOrugu, V.Ramaraju, Ch.Ramakrishna, K.Srinivas, A.K.C.Varma**, “Image Denoising Using DWT and SWT Based On Thresholding”, Proceedings of International Conference on Contemporary Engineering and technology(ICCET 2017), 2017.

Book Chapter Publications:

1. Sasikiran Sajja, **N. Padmavathy**, “Green Communication: An Emerging Telecommunication Technology - Its Research Challenges, Techniques and Applications”, Information, Communication and Computing Technology, Chapter : 8, Springer, pp. 76-84, 2017. (SCOPUS)
2. Sanjay K. Chaturvedi and **N. Padmavathy**, “Mobile Ad Hoc Network Reliability: An Imperative Research Challenge”, Chapter 4, Advances in Reliability and System Engineering, Springer Publisher, pp. 87 – 119, 2017. ,(SCOPUS)

2016 FACULTY PUBLICATIONS

Journal Publications

1. **Padmavathy N** and Sanjay K Chaturvedi; “A Systematic Approach for Evaluating the Reliability Metrics of MANET in Shadow Fading Environment using Monte Carlo Simulation”, International Journal of Performability Engineering, 12(3), pp. 265-282, 2016. (SCOPUS)
2. **D.Durga Prasad, A.M.V.Pathi, Ch.Rama Krishna, C.V.P.K.Reddy**,”A New Architecture Designed for Implementing Area Efficient Carry-Select Adder”, International Journal of Engineering Research & Technology, 5(3), pp. 176-181,2016. [Google scholar]
3. **D.Durga Prasad, Ch.V.V.S.Srinivas, K.Kiran, A.K.Chaitanya Varma**,”Design and Implementation of FM0/Manchester Encoder Using VHDL”, International Journal of Advanced Research in Computer and Communication Engineering, 5(4), pp. 447-452, 2016. [Google scholar]
4. Aravind Kumar M, **P. Sivanantha Maitrey, K. Rameshchandra**,”Adaptive Hearing Aid Algorithm Using Different Types of Multiplier”, International Journal of Application or Innovation in Engineering & Management, 5(2),pp. 148-156, 2016. [Indexed by Elsevier, SCOPUS]
5. Aravind Kumar M, **Rangarao Orugu, M.Dileep, C.V.P.K.Reddy, K.P.Mani**,”Performance Evaluation of Different Multipliers in VLSI using VHDL”, International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), 5(3), pp. 195-198, 2016. [Google scholar]
6. **Dileep M, B.Prudhvi Raj, G.Prasanna Kumar**,”A New Image Encryption and Data Hiding Technique Using WAVELET Transform”, International Journal of Research in Engineering and Technology, 5(5),pp. 195-198, 2016. [Google scholar]
7. **AddankiPurna Ramesh**, “High Speed IEEE-754 Quadruple Precision Floating Point Multiplier Using Verilog”, International Journal of Applied Engineering Research, 11(2), pp. 1457-1463, 2016.(SCOPUS)

8. **Satyanarayana K.V** and G. S. N. Raju, "Investigation on Transient Characteristics Due to Lightning", International Journal of Science and Research, 5(2), pp.1747 – 1751, 2016. [Google scholar]
9. Aravind Kumar M, **O. Rangarao, M. Dileep, C V Pradeep Kumar Reddy**, K.P. Mani, "Performance Evaluation of Different Multipliers in VLSI using VHDL", International Journal of Advanced Research in Computer and Communication Engineering, 5(3), pp. 6-11, 2016, [Google scholar]

Conference Publications

1. Rajeswaran N, C.Gokilavani, S.Arumugam, **V.Ramaraju**, "Noise Removal in Brain MRI Image", Proceedings of International Conference on Research Advancements in Computer Science and Communication (ICRACSC-2016), 29th & 30th December 2016.
2. **Rangarao Orugu** and **K. Srinivas**, "Multiband Antenna For WLAN Applications", Proceedings of National Conference on Innovations in Communication and Computing, pp.1, 2016.(paid)
3. **Rangarao Orugu, V.Ramaraju, Ch.Ramakrishna, A.K.C.Varma**, "RFID and GSM Based Student Attendance System", Proceedings of National Conference on Innovations in Communication and Computing, pp. 13, 2016 .(paid)

Book Publications

1. **Padmavathy N** and S.K. Chaturvedi, "Mobile Ad Hoc Networks: Reliability Measures and Evaluation", LAMBERT Academic Publishing, Germany, Pages: 189, 2016. (SCOPUS)

2015 FACULTY PUBLICATIONS

Journal Publications

1. **Durga Prasad D**, J.E.N.Abhilash, S.Srilali,“Innovative Approach Architecture Designed for Realizing Fixed Point Least Mean Square Adaptive Filter with Less Adaptation Delay”, International Journal & Magazine of Engineering, Technology, Management and Research, 2(10), pp. 1019-1028, 2015. [Google scholar] (Paid)
2. **Padmavathy N** and Sanjay K Chaturvedi,“Reliability Evaluation of Capacitated Mobile Ad Hoc Network Using Log-Normal Shadowing Model”, International Journal of Reliability and Safety, 9(1), pp. 70-89, 2015, (INDERSCIENCES, SCOPUS)
3. **Padmavathy N** and Sanjay K Chaturvedi,“Reliability Evaluation of Wireless Ad Hoc Network: With and Without Mobility Considerations”, PROCEEDIA COMPUTER SCIENCE, 46, pp. 1126-1139, 2015. (Elsevier, SCOPUS)
4. **Vemu Shirdi Saiprabhu** and P.Gopala Reddy,“MDC FFT/IFFT Processor with Variable Length for MIMO-OFDM Systems”, International Journal of Advanced Technology and Innovative Research,7(1), pp.73-81, 2015. [Google scholar]
5. **Ravi Kiran Kurella**,J.E.N Abilash,N.Srikanth,“An Improved DELAY-POWER Efficient Modified Carry Select Adder Design and Implementation Using VHDL”, International Journal & Magazine of Engineering,Technology, Management and Research,2(4),pp.174-179,2015. [Google scholar]
6. **AddankiPurna Ramesh** and I. Jayaram Kumar, “Implementation of Integer Square Root”, International Journal of Engineering Science and Innovative Technology 4(1), pp. 105-113, 2015. [Google scholar]

Book Chapter Publications:

- 1.**SrilakshmiGubbala, K. Srinivas, RangaraoOrugu**, “Acoustic Echo Cancellation Using Variable Step Size Based Adaptive Filtering with Performance Measure”, Chapter 15, Lecture Notes in Electrical Engineering, Springer Publisher, pp.145-152, 2014. (SCOPUS)

2014 FACULTY PUBLICATIONS

Journal Publications

1. **Mangalampalli Sri Vijaya Durga Gayathri** and CH.Kanakalingeswararao, “Implementation of Secure IC for Detection of Security Hacking Attacks by using Scan Based TPG”, International Journal of Emerging Technology in Computer Science & Electronics, 9(3), pp. 49-53, 2014. [Google scholar]
2. VenuNandam and **Prasanthi Boyina**, “An Efficient Area and Delay Reduction of 128-bit Carry Select Adder Architecture for Low Power Application”, International Journal of Scientific Engineering & Technology Research, 3(39), pp. 7918-7922, 2014. [Google scholar]
3. Umamaheswari J, **B. V. V. Satyanarayana**, K. Pavani, “Intelligent Home Monitoring and Controlling System Through Zigbee & GSM”, Advanced Research Journals, 1(3&4), pp. 19-22, 2014. [Google scholar]
4. Sowmya Talluri, Pravin Akula, **B V V Satyanarayana**, “Design of An Efficient Bit Rate Serial-Serial Multiplier Based on Asynchronous Counters Accumulation”, International Journal of Informative & Futuristic Research, 2(3), pp. 739-749, 2014. [Google scholar]
5. **Manaswi D** and P. Koteswara Rao, “Verilog Implementation of Reconfigurable Routers or Low Power”, International Journal on Recent and Innovation Trends in Computing and Communication, 2(9), pp.2963-2968, 2014. [Google scholar]
6. **Addanki Purna Ramesh**, A.V.N. Tilak, and A.M. Prasad, “High Performance SOC based Implementation of Floating Point Complex Division Custom Instruction Hardware on NIOS-II Processor Using Verilog”, International journal on Recent Trends in Engineering and Technology, 11(1), pp. 83-91, 2014. [Google scholar]
7. R.Gopi Krishna, A.Pravin, V.Dhana Raj, **BVV Satya Narayana**, Wireless Thermoelectric Flow Sensor Using Arm, International Journal of Advanced Research in Computer Science and Electronics Engineering (IJARCSEE), pp.31-34, 3(1), 2014
8. **AravindKumar M**, “Leakage Mitigation Techniques in Nano meter Scaled Transistors”, Proceedings of International conference on Photonics, VLSI and Signal Processing, 2014.

Conference Publications

1. **Ch.Ramakrishna, K. Srinivas, V.Ramaraju, Rangarao Orugu**,“Implementation of Kogge Stone Prefix Adder for Better Delay Performance”, Proceedings of International Conference on Innovations in Electronics and Communication Engineering, pp. 11,2014.
2. **M. Aravind Kumar, M.J.C Prasad, Rangarao Orugu, A.K.C.Varma**,“Mitigation Techniques in Nanometre Scaled Transistors”, Proceedings of International Conference on Innovations in Electronics and Communication Engineering, pp. 11, 2014.

2013 FACULTY PUBLICATIONS

Journal Publications

1. **Padmavathy N** and Sanjay K. Chaturvedi, “Evaluation of Mobile Ad Hoc Network Reliability using Propagation-based Link Reliability Model”, International Journal on Reliability Engineering and System Safety, 115, pp. 1 - 9, **2013**. [Citations-39], (SCOPUS)
2. Sanjay K. Chaturvedi and **N. Padmavathy**, “The Influence of Scenario Metrics on Network Reliability of Mobile Ad Hoc Network”, International Journal of Performability Engineering, 9(1), pp. 61 - 74, **2013**. [Citations-16], (SCOPUS)
3. **Rangarao Orugu, K. Srinivas**, “Unit Cell of EBG Analysis in Inside the Wave Guide of E-Plane Horn Antenna”, International Journal of Emerging Trends & Technology in Computer Science,2(4),pp. 8-11, 2013. [Indexed by Thomson Reuters] [Google scholar] (Paid)
4. **RangaraoOrugu, K. Srinivas, V. Rama Raju, Ch. Rama Krishna**, “Analysing Planer Dipole antenna with different Arm width operating at 1GHz”,International Journal of Engineering and Innovative Technology, 3(2), pp. 466-469,2013. [Google scholar] (Paid)
5. **Prasanna Kumar G**, K.Indirapriyadarsini, “Low Complexity Algorithm for Updating the Coefficients of Adaptive Filter”, International Journal of Electronics and Communication Engineering &Technology, 4(3), pp. 63-69, 2013. [Indexed by Thomson Reuters] [Google scholar] (Paid)
6. **Gayatri Sharman K.V.S.H, K. Rameshchandra**, M. Aravind Kumar, **P.S Maitrey, A.K.C.Varma**, “Simulation & Synthesis of a Cryptography Processor for Portable Electronic Devices”, International Journal of Electronics Communication and Computer Engineering,4(4),pp.1240-1244, 2013. [Indexed by Thomson Reuters] [Google scholar] (Paid)
7. **Rameshchandra K, Ch.V.V.S.Srinivas, A.K.C.Varma, G.Prasanna Kumar**, “Analysis of distributed delay jitter control in QOS networks”, International Journal for

Research in Science & Advanced Technologies,3(2), pp. 125-130, 2013. [Google scholar] (Paid)

8. **Rameshchandra K, M.Aravind Kumar, Abdul Rahaman Shaik, Ch.V.V.S.Srinivas, C.V.Pradeep Kumar Reddy**, “Synthesis of a TI MSP430 Microcontroller Core using Multi-Voltage Methodology”, International Journal Engineering and Technology Research Science, 4(7), pp. 2779-2784, 2013. [Google scholar] (Paid)
9. **Rameshchandra K, A.M.V.Pathi, B.Prudhvi Raj**, “FPGA Implementation Of Content Addressable Memory”, International Journal of Electronics Communication and Computer Engineering, 4(4),pp. 1255-1258, 2013. [Google scholar] (Paid)
10. **Rameshchandra K and A.M.V.Pathi**, “A Novel Approach For Fir Filter Design Using Dual-Port Memory Based Multiplier”, International Journal of Advanced Research in Computer and Communication Engineering,2(11), pp. 4257-4261, 2013. [Google scholar] (Paid)
11. **Abdul Rahaman Shaik and A.M.V.Pathi, Prudhvi Raj B, M.Dileep**, “Early Estimation of Delay Characteristics of BRAUN Multiplier”, International Journal of ECT, 4(3), pp. 7-10, September 2013. [Google scholar] (Paid)
12. **Rangarao Orugu, A.K.C.Varma, S.V.S.N.Raju, M.S.S.Bhargav**, “Shifting radiation by 90° phase by alternative parallel plate reflectors and enhancing radiation by EBGs”, International Journal of Advanced Research in Computer and Communication Engineering, 2(8), pp. 39-42, 2013. [Google scholar] (Paid)
13. **Rangarao Orugu, Ch.V.V.S.Srinivas, C.V.Pradeep Kumar Reddy**, “Analysis of Planar Dipole Antenna with Arlor material of Different Di-electrics”, International Journal of Application or Innovation in Engineering & Management,2(8), 2013. [UGC Approved][Google scholar] (Paid)
14. **Rangarao Orugu, D.N.BushanBabu, DivyaGudapaty, Ch.Kutumba Rao**, “Effect of EBG on Radiation Energy of Monopole Antenna at Different Places”, International Journal of Advanced Research in Electrical Electronics and Instrumentation Engineering,2(9), pp. 4312-4316, 2013. [Google scholar] (Paid)

15. Sreeja K.J and **B.Prudhvi Raj**, “A New Switching Median Filter for Impulse Noise Removal from Corrupted Images”, International Journal of Engineering Research and Applications, 3(6), pp.496-501, 2013. [UGC Approved][Google scholar] (Paid)
16. Sudha Bharathi O, T.Siva Sankar Phani, N.S Murthy Sarma, **B.V.V Satyanarayana**, “A Low Power Remote Monitoring Sensor Network for Flood Monitoring System”, International Journal of Research in Computer and Communication Technology, 2(11), pp. 1322-1328, 2013. [Google scholar] (Paid)
17. Suseela M, **B V V Satyanarayana**, MM Varalakshmi, D Sudheer Babu, “A New Hybrid Automated Tarrif System For Grid Connected Solar Power Plants”, International Journal of Research in Computer and Communication Technology, 2(12), pp. 1402-1408, 2013. [Google scholar] (Paid)
18. **Bharath Kumar R** and S. Sri Lali, “Implementation of Area Efficient and High Bit Rate Serial-Serial Multiplier with on-the-Fly Accumulation by Asynchronous Counters”, The International Journal of Engineering Research & Technology (IJERT), 2(12), pp. 1622-1627, 2013. [Google scholar] (Paid)
19. Priyanka Koneru, TinnantiSreenivasu, **AddankiPurna Ramesh**, “Asynchronous Single Precision Floating Point Multiplier Using Verilog HDL”, International Journal of Advanced Research in Electronics and Communication Engineering, 2(11), pp.885-887, 2013. [Google scholar] (Paid)
20. Harini Sharma D and **AddankiPurna Ramesh**, “Floating Point Multiplier Using Canonical Signed Digit”, International Journal of Advanced Research in Electronics and Communication Engineering, 2(11), pp.872-874, 2013. [Google scholar] (Paid)
21. **Satyanarayana K V** and G.S.N. Raju, “Generation of Transient Voltages Due to Direct Lightning on Grounding Grids”, International Journal of Engineering Science and Technology, 5(8), pp. 1109-1116, 2013. [Google scholar] (Paid)
22. **Satyanarayana K V** and G.S.N. Raju, “Transient Characteristics of Grounding Grids,” Journal of Communication, Navigation and Signal Processing, 4(2), pp. 21-29, 2013. [Google scholar] (Paid)
23. Tagoor Babu J,J. Doondi Kumar,**O. Rangarao**,D.N Bhushan Babu,S.Sasidhar, “Enhancing and Directing Radiation with Planar and EBG Reflectors”, International

Journal of Engineering Research and Development,7(5), pp.95-98,2013. [Google scholar] (Paid)

24. DoondiKumarJ, J. Bharathi,M. Grace Priscilla, D.N Bhushan Babu, **O. Rangarao**, N. Rupasri, “Design and Analysis of C0-axial Feed Rectangular Patch Antenna on High Impedance Surface”, International Journal of Electronics and Computer Science Engineering, pp. 405-410, 2013. [Google scholar] (Paid)
25. **Rangarao.Orugu**,K.Neelima,A.V.R.Rajeswari,G.Bangarraju,D.Harshita, Estimated Loud Speaker Impulse Response to Cancel Aural Reverberation, International Journal of Advanced Research in Computer Science, 5(2), 2014,pp- 35-39. [Google scholar] (Paid)
26. N.S.Murthi Sarma, N.S.N.Lakshmipathi Raju, T.V.Janardhan Rao, B.Devivara Prasad, **B.V.V. Satyanarayana**, N.Phani Kumar, A Basic Resarch On Gsm Based Secured advertising System, Journal Of Information, Knowledge And Research In Electronics And Communication,2(2),pp.933-936,2013 [Google scholar] (Paid)
27. Bh.V.D. Jagadeeswari, Valluri. Dhana Raj, S. Kanaka Durga, **B.V.V Satyanarayana**, Embedded Based Novel Track Methodology of Physiological Parameters Using Wi-Fi, International Journal of Research in Computer and Communication Technology, 2(12), pp.1393-1401,2013.
28. **K.V.S.H.GayatriSarman**, “E-Slate For Mentally Challenged”,Proceedings of National Conference on Assistive and Mainstream Technologies for Persons with Special Needs, pp. 67-68, 2013

2012 FACULTY PUBLICATIONS

1. **Srinivas K** and K.V.S.H.G.Sarman, “Implementation of Embedded automobile Black Box using PIC Microcontroller”, Coimbatore institute of information technology (CIIT) 1(1), pp. 506-512, 2012. [Google scholar] (Paid)
2. Indirapriyadarsini K, S.Kamalakumari, **G.Prasanna Kumar**,“VLSI Implementation of Pipelined Fast Fourier Transform”, International Journal of Advanced Research in Computer Engineering & Technology,1(4),pp. 427-432, 2012. [Google scholar] (Paid)
3. **Srilakshmi G** andA.R.S.Balaji, “Adaptive Filtering Techniques with Improved Convergence and Low Complexity for Acoustic Echo Cancellation”, International Journal of Systems, Algorithms and Applications , ,pp. 39-43, 2012
4. Radha RaniM, G. Rajesh Kumar, **G. Prasanna Kumar**, “Implementation of March Algorithm Based MBIST Architecture for SRAM”, International Journal of Advanced Research in Computer Engineering & Technology,1(3), pp. 248-253, 2012. [Google scholar]
5. **K.V.S.H.G Sarman** and **K.Srinivas**, “E-JACKET for Visually Challenged People”,Proceedings of International Conference on Biomedical Engineering & Assistive Technology,pp. 455-457, 6-7 December, 2012. (Paid)