

## Journal Publications

1	Dr. Parameshwara M. C	<p>An Area-Efficient Majority Logic-Based Approximate Adders with Low Delay for Error Resilient Applications”, Journal of Circuits, Systems, and Signal Processing (Springer), April 2022, <a href="https://doi.org/10.1007/s00034-022-02014-6">https://doi.org/10.1007/s00034-022-02014-6</a></p> <p>Low power pipeline-parallel phase accumulator”, International Journal of Information Technology, (Springer Nature), Article in Press, 2022. <a href="https://doi.org/10.1007/s41870-022-00921-0">https://doi.org/10.1007/s41870-022-00921-0</a></p> <p>Approximate Full Adders for Energy Efficient Image Processing Applications”, Journal of Circuits, Systems, and Computers, (World Scientific), Vol. 13, No. 10, 2021. <a href="https://doi.org/10.1142/S0218126617500141">https://doi.org/10.1142/S0218126617500141</a></p> <p>Lower-part approximate multi-bit adders for low-power DSP”, International Journal of Information Technology, (Springer Nature), Vol. 14, No. 2, 2022. <a href="https://doi.org/10.1007/s41870-021-00849-x">https://doi.org/10.1007/s41870-021-00849-x</a>.</p> <p>Novel low quantum cost reversible logic based full adders for DSP applications”, International Journal of Information Technology, (Springer Nature), Accepted, 2021. <a href="https://doi.org/10.1007/s41870-021-00762-3">https://doi.org/10.1007/s41870-021-00762-3</a></p> <p>Low Power Hybrid 1-bit Full Adder Circuit for Energy Efficient Arithmetic Applications”, Journal of Circuits, Systems, and Computers, (World Scientific), Vol. 26, No. 1, 2017. <a href="https://doi.org/10.1142/S0218126621502352">https://doi.org/10.1142/S0218126621502352</a></p> <p>Design of Energy Efficient Approximate Multipliers for Image Processing Applications”, ICTACT Journal on Microelectronics, Vol. 7, Issue 1, pp.1057-1061</p> <p>Design of Carry Dependent Sum Adder Using Reversible Logic”, ICTACT Journal on Microelectronics, Vol. 6, Issue 3, pp. 964-969.</p> <p>Comparative Analysis of Various Approximate Full Adders Under RTL Codes”, ICTACT Journal on Microelectronics, Vol. 6, Issue 2, pp. 947-952.</p> <p>Design, Implementation and Analysis of Error Tolerant Adder in CMOS 180nm Technology”, Int. J. of Eng. Dev. and Res., Vol. 7, issue 3, July 2019</p> <p>Performance Comparison of 1-bit Full Adders using 180 nm CMOS Technology”, Int. J. of Eng. Dev. and Res., Vol. 7, Issue 3, July 2019</p> <p>Text Image to Braille Code Converter”, Int. J. of Eng. Res. in Electronics and Comm. Eng. (IJERECE), Vol.5, Issue 6, June 2018.</p>
2	Dr.Suneeta	<p>Dr. Suneeta, Mukul Manohar, Yarasani Divya, “Generation of random numbers using different techniques on FPGA”, A Journal of Composition Theory, vol.XII, no.IX, pp. 488-490, September 2019, doi:19.18001.AJCT.2019.V12I9.19.10357.</p> <p>Dr. Suneeta, Dr.Sujata Harlapur, Dr.Shanthabasavareddi Harlapur, “Ecofriendly Antimicrobial Dyeing for Cotton Fabric Using Natural Extract of Marigold”, Turkish Journal of Computer and Mathematics Education, vol.12, issue.2, pp.957-962, April 2021, doi.org/10.17762/turcomat.v12i2.1106</p> <p>Suneeta, Sujata Harlapur, Shanthabasavareddi Harlapur, “Enhancement of antibacterial properties of cotton fabric by using neem leaves extract as dye”, Materials today proceedings, vol.44, issue.1, pp.523-526, July 2021, doi.org/10.1016/j.matpr.2020.10.209</p> <p>Suneeta, “Co-simulation of linear congruential generator by using Xilinx system generator and MATLAB Simulink”, International Journal of Reconfigurable and Embedded Systems(IJRES), vol.10, issue.2, pp.109-114, July 2021, <a href="http://doi.org/10.11591/ijres.v10.i2.pp109-114">http://doi.org/10.11591/ijres.v10.i2.pp109-114</a></p> <p>Boodala Venugopal Reddy,Devireddygarri Sreekanth Reddy,Archana S,Anitha H,Dr. Suneeta, “Smartbin”, Gradiva review journal, vol.8, issue.8, pp.574-577, July 2022, DOI:10.37897.GRJ.2022.V8I8.22.50215</p>

3	Dr Hemamalini G E	<p>Karthik Gowda R , Karthik N , Kirankumar N ,Naveen L , Dr. Hemamalini GE, ""Face Mask and Temperature Detection Entry System for Covid Prevention Using Machine Learning" , International Journal of Research and Analytical Reviews, vol-4, Issue-4, pp.457-460, Nov2022, Doi: <a href="http://www.ijrar.org/">http://www.ijrar.org/</a> , ISSN 2349-5138</p> <p>Dr. Hemamalini G E, Dr. J Prakash, "Segmentation and Feature Extraction of H-Alpha Solar Images observed from Kodaikanal Solar Observatory", International Journal of Future Generation Communication and Networking, Vol-15, Issue-1, pp. 9-27, July 2022, doi: <a href="http://serisc.org/journals/index.php/IJFGCN/index">http://serisc.org/journals/index.php/IJFGCN/index</a>, ISSN: 2233-7857</p> <p>Dr Hemamalini G E , Rakesh S , Suhas R Vishal S ,Yashwanth, "Real time Automated Attendance Monitoring System", Journal of Design Engineering, Vol-9, Issue-9, pp-11650-11656, Oct 2022, doi: <a href="https://www.inderscience.com/jhome.php?jcode=ijde">https://www.inderscience.com/jhome.php?jcode=ijde</a> , ISSN: 0011-9342</p> <p>Dr. Hemamalini G E Dr. J Prakash , "A Critical Analysis of Machine Learning Techniques for Human Disease Prediction Model", Journal Information Technology in industry, Vol-9, Issue-3, pp- 2204-0595, Dec 2021, doi: <a href="http://www.it-in-industry.com/">http://www.it-in-industry.com/</a>, ISSN:2204-0595.</p> <p>Dr. Hemamalini G E Dr. J Prakash , "An Application of Image Processing on Solar Images",International Journal of emerging trends in Engineering and Development (IJETED), Vol-6, Issue-7, pp- 119-130., Nov 2019, doi:<a href="https://dx.doi.org/10.26808/rs.ed.i7v6.12">https://dx.doi.org/10.26808/rs.ed.i7v6.12</a>, ISSN:2249-6149</p>
4	Dr. Girish N	<p>Girish N, Dr. Veena M B, " Low Power Area Optimum Configurable 160 to 2560 Subcarrier Orthogonal Frequency Division Multiplexing Modulator-Demodulator Architecture based on Systolic Array and Distributive Arithmetic Look-Up Table", Journal of Microelectronics, Electronic Components and Materials, Vol-51, issue-2, pp.125 – 140, Aug 2021, <a href="https://doi.org/10.33180/InfMIDEM2021.205">https://doi.org/10.33180/InfMIDEM2021.205</a>, ISSN:2232-6979.</p> <p>Girish N, Dr. Veena M B, " LOW POWER DESIGN OF ADAPTIVE TURBO DECODER WITH FEEDFORWARD MESSAGE DECODING AND LOOK-UP-TABLE APPROACH", Journal of Theoretical and Applied Information Technology, Vol-98, issue-24, pp.4181-4199, Dec 2020, <i>ISSN:1992-8645</i>.</p>

5	Dr. K. Reddy Sudharshana	Dr K Reddy Sudharshana, "Analysis of Total Harmonic Distortion in 5-level Inverter fed Induction Motor", IEEE XPLOREER, pp-800-804, March 2019, DOI: 10.1109/GUCON.2018.8674891.
		K. Reddy Sudharshana, " Simulation and Experimental Validation of Common Mode Voltage in Three Phase Induction Motor Driven by Five Level Inverter Using PIC Microcontroller", International Journal of Electronics and Electrical Engineering, Vol .6, no.4, pp.65-70, Dec 2018, ISSN:2301-380X. doi:http://www.ijeee.net/uploadfile/2018/1218/20181218024809285.pdf,
6	Deepika D Pai	<p>Akanksha Das,Deepika D Pai, "A Review on Implementation and Applications of Artificial Intelligence", IJAREEIE, vol 8, no.4, pp.1253-1260, April 2022, doi::10.15662/IJAREEIE.2019.0804019, ISSN:2278 – 8875.</p> <p>Mohith,Md.Adnan,Lingaraj,Mohan, Deepika D Pai, " Sentiment Analysis using machine learning", IOSRJECE, VOL 17, no.5, pp.11-15, Sep/Oct 2022, doi:10.9790/2834-1705021116, ISSN:2278-2834.</p> <p>Sankalp,Jhansi,Rohith,Deepika D Pai, "Advanced Smart Helmet", IOSRJECE, VOL 18, no.5, pp-17-23, Sep/Oct 2022, doi: 10.9790/2834-1705021723, ISSN:2278-2834.</p> <p>Shreyas S Thanthri, Shwethanjali J K, Skanda V, Yuvraj S Gowda, Deepika D Pai, "Detection of foot Ulceration", IJARSCT, vol-3, no 6, pp.126-129, May 2023, doi:10.48175/IJARSCT-10104, ISSN:2581-9429.</p> <p>S R Sirish, Srinivas C K, TB Srishti, Yogitha singh D, Deepika D Pai, " AI smart gun using ESP32cam" , IJARSCT, Vol.3, no.1, pp. 205-216, may 2023, doi: 10.48175/IJARSCT-9681, Issn:2581-9429.</p>
7	G R Byra Reddy	<p>G. R Byra Reddy and H.Prasanna Kumar, "A review on multimodal medical image fusion," International Journal of Biomedical Engineering and Technology (IJ BET), Inderscience, publishers. Vol.34, No.2, October 2020, (SCOPUS with WoS, Q4, SJR 0.29, Cite score 1.8).</p> <p>G.R Byra Reddy and H. Prasanna Kumar, "Enhancement of mammogram images by using entropy improvement approach," SN Applied Sciences, Springer publishers, Nov.2019, Vol.1, pp-1-5, (SCOPUS with WoS, Q2, SJR 0.34, Cite score 2.7)</p> <p>G.R Byra Reddy and H. Prasanna Kumar, "Smoothing of Mammogram images by using an improved Gradient based technique," Advanced Biomedical Engineering journal, No. 9, pp.202–208, Oct.2020, (SCOPUS with WoS, Q3, SJR 0.28, Cite score 1).</p> <p>G R Byra Reddy and H. Prasanna Kumar, "Breast Ultrasound Image Segmentation to Detect Tumor by Using Level Sets," Innovations in Electronics and Communication Engineering, Lecture Notes in Networks and Systems, Springer, vol. 355, 2022, Singapore, (SCOPUS, Q4, SJR 0.15, Cite score 1.8).</p> <p>G.R Byra Reddy and H. Prasanna Kumar, "Segmentation of Mammogram Images using Level Set with Cuckoo Search Optimization," Computer Methods in Biomechanics and Biomedical Engineering: Imaging &amp; Visualization, Taylor &amp;Francis, Vol.11, No.3, pp.914-921, 2022. (SCOPUS with WoS, Q2, SJR 0.52, Cite score 4.2).</p> <p>G R Byra Reddy and H. Prasanna Kumar, "Implementation of ensemble deep learning approach for Breast ultrasound images classification", Artificial Intelligence in Medicine, Elsevier publishers (submitted).</p>

8	Kusuma G S	<p>Kusuma G S , "A Survey on Secure Fog-Computing Infrastructure for Internet of Vehicles", Computer Science and Electronics Journal, Vol-13, Issue-1, pp.1-5, Jan-June 2021, ISSN: 0973-7383.</p> <p>Kusuma G S, Sindhumathi C, Sagaya Reshma J, Sruthi S R, Roushini S, "A survey on Performance evaluation of VANET's", Computer Science and Electronics Journal, Vol-13, Issue-1, pp.6-11, Jan-June 2021, ISSN: 0973-7383.</p>
9	Shruthi M	Shruthi M, Dr. Ezhilarasan Ganeshan, " A survey on harmonic reduction in an inverter fed variable speed drive using pulse width modulation technique", Gradiva review journal, VOL 9, no.5, pp.165-168, May 2023, doi: 10.37897/GRJ.
10	ANKITHA A	Ankitha A,Ramya S M,Geetha B V,Supriya K V, " Smart Waste Management System", International Journal Of Advance Research,Ideas and Innovations in Technology , Volume 7, issue-4, pp.1349-1354, 2021, 2454-132X Impact Factor: 6.078.