

RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous

Department of Electronics and Communication Engineering

SCOPUS INDEXED JOURNALS

Academic year :2023-24(July-2023 to June-2024)

SCOPUS:

1. Venkataiah C, Mallikarjuna Rao Y, Manjula Jayamma, Linga Murthy M K, Mahesh Kumar M, Laith H. Alzubaidi, Akhilesh Pandey “Performance analysis of Ternary Adder and Ternary Multiplier without using Encoders and Decoders”, E3S Web of Conferences, Vol 391, 01220 (2023) <https://doi.org/10.1051/e3sconf/202339101220> **(Conference)**
2. Venkataiah C, Mallikarjuna Rao Y, Manjula Jayamma, Rambabu S, Linga Murthy MK, Laith H. Alzubaidi, Sanjay Mishra, “Performance analysis of 4-bit ternary adder and multiplier using CNTFET for high speed arithmetic circuits”, E3S Web of Conferences, Vol 391, 01221 (2023), <https://doi.org/10.1051/e3sconf/202339101221> **(Conference)**
3. Venkataiah C, Mallikarjuna Rao Y, Manjula Jayamma, Linga Murthy M K, Feroz Shah Ahmed S, Laith H. Alzubaidi, “Performance evaluation of SRAM design using different field effect transistors”, E3S Web of Conferences, Vol 391, 01185 (2023) <https://doi.org/10.1051/e3sconf/202339101185> **(Conference)**
4. Rambabu Sanivarapu, Mallikarjuna Rao Y, Venkataiah C, Linga Murthy MK, Laith H. Alzubaidi, Vyeshikha, “Design and Implementation of POSIT Based Adder and Multiplier in Verilog HDL”, E3S Web of Conferences, Vol 391, 01184 (2023), <https://doi.org/10.1051/e3sconf/202339101184> **(Conference)**
5. Linga Murthy M K, Divyanjali Modepalli, Maibu Basha Shaik, Madhuri Busi, Venkataiah C, Mallikarjuna Rao Y, Ahmed Alkhayyat, Divya Rawat “Efficient Feature Extraction for Recognition of Human Emotions through Facial Expressions Using Image Processing Algorithms” E3S Web of Conferences, Vol 391, 01182 (2023), <https://doi.org/10.1051/e3sconf/202339101182> **(Conference)**
6. Linga Murthy M K, Vinod S, Koundinya S Nagendra Babu G, Venkataiah C, Mallikarjuna Rao Y, Ahmed Alkhayyat, Upasana Rana, “Improving the Accuracy in Lung Cancer Detection Using NN Classifier”, E3S Web of Conferences, Vol 391, 01183 (2023) <https://doi.org/10.1051/e3sconf/202339101183> **(Conference)**
7. S. V. Ratankumar, L.Koteswara Rao and M. Kiran Kumar, “[Design of Ternary Full-Adder and Full-Subtractor using Pseudo NCNTFETs](https://doi.org/10.1016/j.prime.2023.100285)”, e-Prime-Advances in Electrical Engineering, Electronics and Energy, Vol.6, Dec.2023 <https://doi.org/10.1016/j.prime.2023.100285> [SCOPUS]

8. P. Siva Krishna, P.V. Gopi Krishna Rao, Fractional-order PID controller for blood pressure regulation using genetic algorithm, Biomedical Signal Processing and Control, Volume 88, Part B, 2024, 105564, ISSN 1746-8094, <https://doi.org/10.1016/j.bspc.2023.105564>.
9. Rao, D. Raghunatha, T. Jayachandra Prasad, and MN Giri Prasad. "Gannet optimization algorithm enabled framework for spectrum sensing in OFDM based CR network." Wireless Networks vol. 29, no.6, pp. 2863-2872, Aug 2023.
10. Reddy BS, **Sathish A.** A hybrid method for magnetic resonance brain images classification and segmentation using soft computing techniques. Journal of Artificial Intelligence and Technology. 2023 Jun 17;3(3):134-41.

INTERNATIONAL JOURNALS:

1. C.Venkataiah,R. Sireesha, K. Raju, Y. Mallikarjuna Rao, Manjula Jayamma “An Automatic Movable Platform for Railway Applications” Journal of Advancement of Signal Processing and its Applications, Volume 6 Issue 2, HBRP Publication Page 30-36 2023. DOI: <https://doi.org/10.5281/zenodo.8314213>
2. C.Venkataiah, R.Sireesha , K. Raju , Y. Mallikarjuna Rao , Manjula Jayamma” An Integrated IOT System for Car Parking And Billing”, Journal of Advancement in Electronics Design Volume 6 Issue 2 , HBRP Publication Page 35-41 2023 ,DOI: <https://doi.org/10.5281/zenodo.8314192>
3. R.Sireesha,C.Venkataiah,K.Raju,Y.Mallikarjuna Rao,Manjula Jayamma “Air Pollution Monitoring Using IOT Based Wireless Sensor Network” Journal of Optoelectronics and Communication Volume 5 Issue2 , HBRP Publication Page 20-27 2023.DOI: <https://doi.org/10.5281/zenodo.8288721>
4. R. Sireesha,K. Raju,Y. Mallikarjuna Rao, C. Venkataiah, Manjula Jayamma” An IoT Based Vehicle Tracking and Theft Detection System using SMS Alert Hardware Design” Journal of Sensor Research and Technologies Volume 5 Issue 2, HBRP Publication Page 24-31 2023 DOI: <https://doi.org/10.5281/zenodo.8313977>
5. R. Sireesha, C. Venkataiah,K. Raju,Y. Mallikarjuna Rao, Manjula Jayamma,” RFID Based Smart Home Security”, Journal of VLSI Design and its Advancement Volume 6 Issue 3, HBRP Publication Page 1-7 2023, DOI: <https://doi.org/10.5281/zenodo.8337898>
6. R. Sireesha, K. Raju , Y. Mallikarjuna Rao,C. Venkataiah, Manjula Jayamma” Soil Moisture Sensor and Temperature Sensor Based Automatic Irrigation System” Journal of Optoelectronics and Communication Volume 5 Issue2 , HBRP Publication Page 28-36 2023 DOI:<https://doi.org/10.5281/zenodo.8289031>
7. C. Venkataiah, R. Sireesha, K. Raju, Y. Mallikarjuna Rao,Manjula Jayamma”Waste Management System using Internet of things (IOT)” Journal of Sensor Research and Technologies Volume 5 Issue 3 page No:25-33 DOI: <https://doi.org/10.5281/zenodo.10099240>

8. R. Sireesha, C. Venkataiah, Manjula Jayamma” Water Monitoring System for Smart Fish Farming that is Based on IOT” Journal of Control System and its Recent Developments Volume 7 Issue 1 page no:1-7 DOI: <https://doi.org/10.5281/zenodo.10431889>
9. R. Sireesha, C. Venkataiah, Manjula Jayamma” Sensor Network-Based LPG Monitoring and Automatic Cylinder Booking System Development” Recent Trends in Control and Converter Volume 7 Issue 1 page no:1-7 DOI: <https://doi.org/10.5281/zenodo.10431933>
10. R. Sireesha, C. Venkataiah, Manjula Jayamma” An Automated Vehicle Accident Detection and Messaging System Using Arduino” Journal of Emerging Trends in Electrical Engineering Volume 5 Issue 3 page no:27-33 DOI: <https://doi.org/10.5281/zenodo.10418215>
11. Manjula Jayamma , C.Venkataiah,R. Sireesha , “Farm Protection with ESP32 from Animals and Human Theft” Advancement of Signal Processing and its Applications Volume 6 Issue 3 page No: 25-32 DOI: <https://doi.org/10.5281/zenodo.10418126>
12. Manjula Jayamma , C.Venkataiah,R. Sireesha , “Development of an IOT based Portable Patient Health Monitoring System for Medical Applications” Journal of Advancement in Electrical Engineering, Volume 6 Issue 3, Page No: 30-35 2023. DOI: <https://doi.org/10.5281/zenodo.10409357>
13. Manjula Jayamma , C.Venkataiah,R. Sireesha , “Sensors Operated Modern Railway Platform” Journal of Advancement in Electrical Engineering, Volume 6 Issue 3, Page no: 23-29 2023. DOI: <https://doi.org/10.5281/zenodo.10409437>
14. R. Sireesha, C. Venkataiah, Manjula Jayamma” Internet of Things-based Smart Remote for Individuals with Disabilities” Advancement of Signal Processing and its Applications Volume 6 Issue 3 page no:16-24 DOI: <https://doi.org/10.5281/zenodo.10417681>
15. Manjula Jayamma , C.Venkataiah,R. Sireesha , “Early Detection of Flood Monitoring System using Wireless Sensor Networks” Journal of Control System and its Recent Developments, Volume 6 Issue 3, Page no: 33-40 2023. DOI: <https://doi.org/10.5281/zenodo.10409567> .
16. Manjula Jayamma, C.Venkataiah,R. Sireesha,“BTS Site Monitoring System Using an IOT Based SCADA System” Journal of Recent Trends in Electrical Power System, page no:51-57 Volume 6 Issue 3 DOI: <https://doi.org/10.5281/zenodo.10409673>
17. Manjula Jayamma, C.Venkataiah,R. Sireesha,“Vehicle Safety Monitoring System based on Internet of Things” Journal of Emerging Trends in Electrical Engineering Volume 5 Issue 3 page no:20-27 DOI: <https://doi.org/10.5281/zenodo.10410173>
18. R. Sireesha, K. Raju, B. Geetha Rani, V. Saraswathi “Optimizing Power Consumption in Signal Processing through Approximate Compressors”, Journal of VLSI Design and its Advancement Volume 7 Issue 1, page no:33-41. DOI: <https://doi.org/10.5281/zenodo.10795836>.
19. K. Raju, M. Chennakesavulu, V. Saraswathi B. Geetha Rani, R. Sireesha”Enhancing Stock Market Predictions: Leveraging Machine Learning and Time Series Analysis for Accurate Forecasting” Journal of Advancement in Communication System. Volume 7 Issue 2 DOI: <https://doi.org/10.5281/zenodo.10940713> .

20. Manjula Jayamma, Farooq Sunar Mahammad, N. Ramadev, **C. Venkataiah** “Security Solution for Bank Lockers Utilizing RFID and IOT Voice Reporting”, Advancement of Signal Processing and its Applications, Vol. 7, Issue. 2, HBRP Publication, April, 2024. <https://doi.org/10.5281/zenodo.10990505>
21. Manjula Jayamma, Farooq Sunar Mahammad, N. Ramadev, **C. Venkataiah**, “Unified Automation and Safety Protection System for Laboratories Using IOT” Journal of Emerging Trends in Electrical Engineering, Vol. 6, Issue. 2, HBRP Publication, April, 2024. <https://doi.org/10.5281/zenodo.10997192>
22. Manjula Jayamma, N. Ramadev, Farooq Sunar Mahammad, **C. Venkataiah**, “Creation and Evolution of an Internet of Things-Based Robot” Journal of Control System and its Recent Developments, Vol. 7, Issue. 2, HBRP Publication, April, 2024. <https://doi.org/10.5281/zenodo.11001290>
23. Manjula Jayamma, N. Ramadev, Farooq Sunar Mahammad, **C. Venkataiah**, “Shopping Smart Trolley Using IoT”, Journal of Research and Advancement in Electrical Engineering, Vol. 7, Issue. 2, HBRP Publication, April, 2024. <https://doi.org/10.5281/zenodo.11001374>
24. Manjula Jayamma, N. Ramadev, Farooq Sunar Mahammad, **C. Venkataiah**, “Spontaneous Traffic Management Mechanism Signal Scheme” Recent Trends in Control and Converter, Vol. 7, Issue. 2, HBRP Publication, April, 2024. <https://doi.org/10.5281/zenodo.11001445>
25. R. Sireesha C.Venkataiah, , K. Raju, Y. Mallikarjuna Rao, Manjula Jayamma “Internet of Things Based Engine Locking System” Volume 5 Issue 3, Journal of Research and Applications: Emerging Technologies Page 14-19 2023. DOI: <https://doi.org/10.5281/zenodo.10089061>
26. C.Venkataiah, R.Sireesha , K. Raju , Y. Mallikarjuna Rao , Manjula Jayamma” IOT Based Fire Detection and Surveillance System”, Journal of VLSI Design and its Advancement Volume:6Issue:3,Page:19-26,2023,DOI: <https://doi.org/10.5281/zenodo.10089553>
27. .R.Sireesha,K.Raju, C.Venkataiah ,Y.Mallikarjuna Rao,Manjula Jayamma “Tracking Sun Path and Voltage Monitoring System Using IoT” Journal of Advancement in Electronics Design Volume 6 Issue 3 DOI: <https://doi.org/10.5281/zenodo.10098689> , Page 6-12 2023.
28. M. A. Vijay Kamalnath, D. Yovan Snanagan Ponselvan, S. Asif Basha,” EOG Based Eye Blink Detection using VB GUI for Eye Writing Applications" published on November 2023, International Journal of Computer Science and Mobile Computing, Vol. 12, Issue. 11, pg.22 – <https://ijcsmc.com/docs/papers/November2023/V12I11202302.pdf>
DOI: [10.47760/ijcsmc.2023.v12i11.002](https://doi.org/10.47760/ijcsmc.2023.v12i11.002)

PATENTS:

1. Dr.V.N.V. Satya Prakash, 2024, “Head Scanning Device to Diagnose Brain Activity Problems” Indian Design patent No: 396610-001, filed on October 04, 2023, and issued on January 04, 2024.
2. Dr.V.N.V. Satya Prakash, 2024, “A Novel mini Rice Quality Testing Machine for Farmers” Indian Design patent No: 397684-001, filed on October 16, 2023, and issued on January 05, 2024.
3. D.J. Sofia Priya Dharshini et al Published a patent with title of Invention “Developing a Consent Management Framework for User Centric IoT Devices,” Application No.202431017143 A in the official journal of patent office on 22/03/2024.

BOOKS

1. Dr.J. Sofia Priya Dharshini et al Published a book entitled “Fundamentals of Digital Circuits” in the first edition of Scientific International Publishing House, ISBN No.:978-93-6132-071-2, March,2024.

BOOK CHAPTERS:

1. R Hanuma Naik, P.V.Gopi Krishna Rao., D.V.Ashok Kumar, (2023). "Fractional Order Controller Design Based on Inverted Decouple Model and Smith Predictor". Lecture Notes in Networks and Systems, vol 689. Springer, Singapore. https://doi.org/10.1007/978-981-99-2322-9_33 Oline ISBN:978-981-99-2322-9[SCOPUS]