



JSS MAHAVIDYAPEETHA

JSS ACADEMY OF TECHNICAL EDUCATION

JSSATE Campus, Uttarahalli – Kengeri Main Road, Bengaluru – 560060

Department of Electronics & Communication Engineering

Publications Details

Journal Publications: 2026

1. Manohar, B. S., Kavitha, H. S., Chethan, K. S., Shet, K. S., Uma, S., Raghavendra, L., Prasad, C. D., Bhowmik, A., & Zeru, B. A. (2026). "Digital Twin Technology: A Perspective for Efficient Battery Management in Lithium-Ion Batteries. Journal of Engineering", 2026, 6422842. <https://doi.org/10.1155/je/6422842>, B1 JOURNAL of ENGINEERING & Online ISSN:2314-4912 Print ISSN:2314-4904
2. H.N. Mahendra, V. Pushpalatha ,S. Mallikarjunaswamy , S. Rama Subramoniam, "A hybrid deep learning model based on vision transformer and convolutional neural networks for land use and land cover classification", Applied Soft Computing, <https://doi.org/10.1016/j.asoc.2026.114775>
3. H.N. Mahendra a , V. Pushpalatha, S. Mallikarjunaswamy , S. Rama Subramoniam, J. Praveen b, "Quantum convolutional neural network-based hybrid network for remote sensing image classification", Engineering Applications of Artificial Intelligence, <https://doi.org/10.1016/j.engappai.2025.113195>
4. H.N. Mahendra, V. Pushpalatha, S. Mallikarjunaswamy and D. Mahesh Kumar, H.S. Ganesha, Rama Subramoniam Sudalayandi, "LULC classification using deep convolution neural networks for change detection analysis", International Journal of Environment and Sustainable Development, 1478-7466
5. Amit M. Maruthi, Gagan P. Acharya, Bhuvan V. Prasad, Chandrakantha, and Anuradha M. G, "FPGA Based Hardware Accelerated Object Tracking.", DOI:

6. H. N. Mahendra · V. Pushpalatha · S. Mallikarjunaswamy · Tanvir Habib Sardar· S. Rama Subramoniam, “Hybrid quantum–classical convolutional neural network for multitemporal urban sprawl analysis using remote sensing data”, Spatial Information Research, ISSN: 2366-3294 , DOI: <https://doi.org/10.1007/s41324-026-00687-8>
7. H. N. Mahendra , N. M. Basavaraju, P. Ravi, V. Pushpalatha and S. Mallikarjunaswamy, “Enhanced LULC Classification Using CNNs with Transfer Learning and Fine-Tuning: A Regional Study”, Nature Environment and Pollution Technology and p-ISSN: 0972-6268, <https://doi.org/10.46488/NEPT.2026.v25i02.B4375>
8. Bhagyashree K., Aswathi T., Arjun Sunil Rao, Basavaraj S. Sannakashappanavar, Shounak De, Jayarama A., Richard Pinto & Mahendra H. N., “A study of methanol dilution and substrate temperature on phase transition dynamics and functional properties of V2O5 thin films for sustainable technologies”, Discover Materials
9. Shaista Tarannum, usha shiramally mallappa, “A Hybrid Quantum-Inspired Deep Learning Framework for Adaptive Scheduling and Energy-Efficient LoRaWAN in Smart IoT Network”, DOI: <https://doi.org/10.48084/etasr.14958>, Engineering, Technology & Applied Science Research, 1792-8036
10. Sunita Shirahatti, Rajashekhar Shettar,” Design and Analysis of Reversible logic based Forward and Reverse RNS Converters.”, International Journal of Electrical and Electronics Engineering, <https://doi.org/10.14445/23488379/IJEEE-V13I6P106>; Print ISSN: 2278-9944 Online ISSN: 2278-9952

11. Shruthi M, Smitha N, Smitha Gayathri D, Kumar Puttaswamy Gowda , Suguna Guttoor Chickaramanna, "Hybrid radome lens structure for gain enhancement and angular radiation control in patch antenna arrays", Indian Journal of Engineering. print ISSN 2319-7757, DOI: <https://doi.org/10.54905/disssi.v23i59.e7ije1713>
12. Aravind H S, Advaita Kiran, Akshay HS, Bharat N, Chandra Puneeth Reddy, Savitha A C , "AI- Enabled Robot Swarm", DOI:10.5281/zenodo.18887479 Journal of Design. ISSN:1606-8327
13. Seema Patil, Harshavardhana Doddamani, Savitha A C, Julianne Rivers," Dynamic Latency Optimization for Edge-Based Machine Learning Models in 6G-Enabled Industrial Internet of Things (IIoT)", ACTA SCIENTIAE, ISSN: 1517-4492
14. Poornima N, Ravikumar K P, Siddalingesh Bandi, R Sam Sundar, "A Hardware-Aware MLP Inference Framework for Bradyarrhythmia Classification", International Journal of Computer Information Systems and Industrial Management Applications, DOI: <https://doi.org/10.70917/ijcisim-2026-4203>, ISSN 2150-7988
15. Usha S M, M Prerana, Monisha K, Nithyashree R, Rachana R, Savitha AC , "Efficient Identification of Cyber Threat", DOI:10.5281/zenodo.202288771517-4492, ACTA SCIENTIAE
16. Shruthi M , Smitha N , Smitha Gayathri D, Kumar Puttaswamy Gowda , Suguna Guttoor Chickaramanna, "Hybrid radome lens structure for gain enhancement and angular radiation control in patch antenna arrays", Indian Journal of Engineering, DOI: <https://doi.org/10.54905/disssi.v23i59.e7ije1713>,

Conference 2026

1. Mrs Shuhha B, Asst Professor, "Health care system for paralysis patients", International conference on trustworthy AI for Intelligent Computing Systems held

at Amrutha Institute of Engineering and Management Sciences, Bengaluru on 29th and 30th May 2026

2. Dr. Poornima N, Associate Professor and Dr.Ravikumar KP, Assistant Professor, "Smart Detection of Silent Threats: Bradyarrhythmia Classification Using Multi-Layer Perceptron", 3rd International Conference on Advances in Engineering and Medical Sciences 2026
3. Dr. Poornima N, Associate Professor, "Real-Time Seizure Prediction: A Sneak Peek", 6th International Conference on Recent Trends in Engineering Technology and Management 2026
4. Dr. Poornima N, Associate Professor, "Design and analysis of a sparse-8 prefix adder with optimised complexity-performance trade off", 3rd International Conference on Advances in Engineering and Medical Sciences 2026
5. Dr. Anu H, Assistant Professor, "High Performance 32-bit ALU using Integrated Multipliers", 6th IEEE International Conference on VLSI Systems, Architecture, Technology and Applications (VLSI SATA 2026)

Journal Publications: 2025

1. Veeramma Yatnalli, Saroja S Bhusare, Gahan S S, Devanandan V, Darshan K M, Anish Krishna, "A Robust Deep Learning-Based Modulation Classification Framework for Noisy Communication Channels", DOI:10.22266/ijies2025.0930.02 International Journal of Intelligent Engineering & Systems, ISSN:2185-310X
2. Veeramma Yatnalli, Saroja S Bhusare, Praveen M Dulavvagol, Guruprasad Kannurmath, Rajani Shetty, "DABFT: A Novel Adaptive Byzantine Fault Tolerance Framework for High-Performance Blockchain Consensus", DOI: <https://doi.org/10.48084/etasr.11970>, Engineering Technology Applied Science & Research, eISSN: 1792-8036, pISSN:2241-4487
3. Shaista Tarannum, Usha S. M," An Efficient and Scalable Reinforcement Learning-Driven Intelligent Resource Management and Secure Framework for LoRaWAN", DOI:10.14569/issn.2156-5570, International Journal of Advanced Computer Science and Applications (IJACSA) ISSN: 2319-6890) (online)

4. Ravi Mahadevaiah, Usha Shiramally Mallppa, “ Clipped Rectified Linear Unit based Multipath Deep Convolutional Neural”,DOI: 10.22266/ijies2025.0630.46, International journal of intelligent engineering and systems, ISSN: 2185310X, 21853118
5. Mahesh H.B, Usha S.M, G.F. Ali Ahammed and Mallikarjunaswamy S,” Optimized Efficiency of IoT-Based Next-Generation Smart- Wireless Sensor Networks Using a Machine Learning Algorithm”, DOI:http://dx.doi.org/10.12785/ijcds/1571107237, International Journal of Computing and Digital Systems-ISSN: 2535-9886 (Print) / 2210-142X (Online)
6. Mahesh H. B, Ali Ahammed G. F, Usha S. M, “ Next Generation Wireless Network Deployment using Machine Learning based Multi-Objective Genetic Algorithm”, DOI : 10.24003/emitter.v13i1.875, EMITTER International Journal of Engineering Technology , ISSN : 2443-1168
7. Veeramma Yatnalli, Saroja S Bhusare, Praveen M. Dhulavvagol , Guruprasad Konnurmath, Rajani Shetty, “ DABFT: A Novel Adaptive Byzantine Fault Tolerance Framework for High-Performance Blockchain Consensus”, DOI:https://doi.org/10.48084/etasr.11970, International Journal of Intelligent Engineering & Systems, 2 July 2025 ISSN: 2185-3118
8. Dr. Sudhir Anakal , Poornima N, Abdurasul Bobonazarov, Janjhyam Venkata Naga Ramesh, Elangovan Muniyandy, Mandava Manjusha, Prof. Ts. Dr. Yousef A.Baker El-Ebiary, “AI-Driven NAS-GBM Model for Precision Agriculture: Enhancing Crop Yield Prediction Accuracy.”, DOI: 10.14569/issn.2156-5570, International Journal of Advanced Computer Science & Applications ISSN : 2156-5570 (Online)
9. Dr. Mallikarjunaswamy S, Poornima M , Anitha T N,” An Efficient Internet of Things based Intrusion detection and Optimization Algorithm for Smart Network”, DOI:10.12785/ijcds/1571001227, International Journal of Computing and Digital System, ISSN: 2535-9886 (Print) / 2210-142X (Online)
10. Divyashree Yamadur Venkatesh, Komala Mallikarjunaiah, Mallikarjunaswamy Srikantaswamy, “Efficient reconfigurable parallel switching for low-density parity-check encoding and decoding”, DOI: http://doi.org/10.11591/ijai.v14.i1.pp260-269 , International Journal of Artificial Intelligence (IJ-AI), ; ISSN: 2252-8938

11. Jyothi Honnegowda, Komala Mallikarjunaiah, Mallikarjunaswamy Srikantaswamy, "Efficient reduction of computational complexity in video surveillance using hybrid machine learning for event recognition", DOI: <http://doi.org/10.11591/ijai.v14.i1.pp317-326>, International Journal of Artificial Intelligence(IJ-AI), p-ISSN 2089-4872, e-ISSN 2252-8938
12. V. Pushpalatha, P.B. Mallikarjuna, H.N. Mahendra, S. Rama Subramoniam, Mallikarjunaswamy Swamy S, "Land use and land cover classification for change detection studies using convolutional neural network.", DOI: <https://doi.org/10.1016/j.acags.2025.100227>, Applied Computing Geosciences Volume 25, February 2025, ISSN: 2590-1974
13. Kavitha Hosakote Shankara, Mallikarjunaswamy Srikantaswamy, Sharmila Nagaraju, "An efficient load-balancing in machine learning-based DC-DC conversion using renewable energy resources.", DOI: <http://doi.org/10.11591/ijai.v14.i1.pp307-316>, International Journal of Artificial Intelligence(IJ-AI), p-ISSN 2089-4872, e-ISSN 2252-8938
14. Manasa Charitha, Sunil Hosur, Mallikarjunaswamy Srikantaswamy, "Optimized BER Reduction in Wireless Communication Using a Chaos-Based CDSK Modulation Model.", DOI: 10.18280/mmep.120234, Mathematical Modelling of Engineering Problems; ISSN: 2369-0739 (print); 2369-0747 (online) ·
15. Jyothi Honnegowda, Komala Mallikarjunaiah, Mallikarjunaswamy Srikantaswamy, "Efficient reduction of computational complexity in video surveillance using hybrid machine learning for event recognition", DOI: 10.11591/ijai.v14.i1.pp317-326 IJAI International Journal of Artificial Intelligence (IJ-AI), ISSN: 2252-8938
16. Poornima Madaraje Urs, Anitha Thulavanur Narayana Reddy, Srikantaswamy Mallikarjunaswamy, Umashankar Mynayakanahally Lakshminarayan, "An Innovative IoT Framework using Machine Learning for Predicting Information Loss at the DataLink Layer in Smart Networks.", DOI: <https://doi.org/10.48084/etasr.9597>, Engineering, Technology & Applied Science Research. eISSN - 1792-8036, pISSN - 2241-4487
17. Kavitha Rani, Madhusudhan Krishnagiri Narasimurthy, Prathibha Srinivasappa, Mallikarjunaswamy Srikantaswamy, "Semi-Supervised Intrusion Detection System for Detecting Gray Hole and Hello Flood Attacks.",

DOI:<https://doi.org/10.18280/ijssse.150407>International Journal of Safety and Security Engineering, ISSN: 2041-9031 (print); 2041-904X (online)

- 18.H. R. Niveditha, S. Anitha, Nataraj Kanathur Ramaswamy, Rekha Kanathur Ramaswamy, Srikantaswamy Mallikarjunaswamy, "A Hybrid Machine Learning Model for Peripheral Artery Disease Prediction and Real-Time Applications.", DOI: <https://doi.org/10.48084/etasr.10354>, Engineering, Technology & Applied Science Research. |eISSN:1792-8036 pISSN:2241-4487
- 19.Nithyashree Basavaraju, Vasantha Kumara Mahadevachar, Srikantaswamy Mallikarjunaswamy, "An Enhanced Secure Framework for Detecting and Rectifying Unauthorized Access in Cloud Computing Environments using the Elliptic Curve Digital Signature Algorithm.", DOI: <https://doi.org/10.48084/etasr.9764>, Engineering, Technology & Applied Science Research. eISSN:1792-8036 pISSN:2241-4487
- 20.C. Shivappa, N. K. Ramaswamy, R. C. Mullegowda, R. K. Ramaswamy, and M. Srikantaswamy, "Efficient Low-Complexity Encoding and Decoding Algorithms for Global Navigation Satellite Systems.", DOI: <https://doi.org/10.48084/etasr.11457>Engineering, Technology & Applied Science Research. eISSN:1792-8036 pISSN:2241-4487
- 21.Sagar Dev Achar, Thejaswini P, Sukumar Nandi, Sunit Nandi," LiteHash: Hash Functions for Resource-Constrained Hardware.," DOI: <https://doi.org/10.1145/3677181>, ACM Transactions on Embedded Computing Systems. ISSN:1539-9087. EISSN:1558-3465.
- 22.P Thejaswini; Gautham Suresh; V. Chiraag; Sukumar Nandi," Approximate CNN Hardware Accelerators for Resource Constrained Devices.", DOI: 10.1109/ACCESS.2025.3529668, IEEE Access, Electronic ISSN: 2169-3536
- 23.Thaejaswini P, Gunasagari G S, Sunitha Shirahatti," Prediction Enhanced Resource Allocation for Air Quality Monitoring using Temporal Network_Based PM2.5 Forecasting Model in Cloud Data centres.", DOI: 10.1142/S0218126625501683, Journal of Circuits, Systems and Computers. ISSN (print): 0218-1266 | ISSN (online): 1793-6454
- 24.GUNASAGARI G S, SHANKARAI AH N, THEJASWINI P," Engineering solutions for IoT security: a BiLSTM-Former and RL-GTAE-based approach.", DOI:

<https://doi.org/10.1007/s12046-025-02807-w>, Sadhana - Academy Proceedings in Engineering Sciences. ISSN. 02562499, 09737677

25. Anuradha.M.G, L Basavaraj, "Low Cost and High-Speed Implementation of K-Means Algorithm for Image Analysis.", DOI:<https://doi.org/10.52783/jisem.v10i18s.2952>, Journal of Information Systems Engineering and Management. e-ISSN: 2468-4376
26. Anuradha M G, R. Arun Kumar, "A Novel and Efficient Left-to-Right Binary Adder Architecture for reduced Area and Power Metrics in VLSI Design.," DOI: <https://doi.org/10.48084/etasr.9840> Engineering, Technology & Applied Science Research. eISSN-1792-8036, pISSN-2241-4487
27. M. Kavitha, S. Akhila, and A. Kannan," A 113.7 dB SINAD, 18.59 Bit $\Sigma\Delta$ Modulator for High-Resolution ECG Recordings", DOI: <https://doi.org/10.48084/etasr.13312> Engineering, Technology & Applied Science Research. eISSN-1792-8036 pISSN-2241-4487
28. Savitha A C, Darshan G, Chidhanv K, Bindu R, Varun C," Implementation of Smart Secured Voting System", DOI:10.5281/zenodo.18068926, Ingenius , ISSN:1390-650X
29. Savitha A C, Madhu Kumar KM," Development of Pipeline Inspection Robot for Detection of Pipeline Defects", DOI: 10.5281/Zenodo.18075436, TECCIENCIA, ISSN 1909-3667
30. Ajit Kumar, Nishant Sharan, Vipul Dixit, S. K. Ghorai, R. Karibasappa, K. P. Ravikumar, and Amresh Kumar, "Minimizing positioning error through strategic LED arrangement: circular layout superiority in ANN-based VLP.", DOI: <https://doi.org/10.1364/AO.568213> Applied Optics, Dec 2025; ISSN: 1559-128X (print); ISSN: 2155-3165 (online).
31. Anu H, S. Rathnakar, "Enhanced ECG Signal Classification with CNN-LSTM Networks using Aquila Optimization.", DOI: 10.48084/etasr.10492, Engineering, Technology and Applied Science Research (ETASR). ISSN 1792-8036 (Online)
32. Anu Honnashamaiah, Rathnakara Srinivasapandit, "Cardiac signal classification leveraging spectral optimization with ChebWave and deep blue particle filtering", DOI: 10.1177/03913988251341756, The International Journal of Artificial Organs. ISSN: 0391-3988; Online ISSN: 1724-6040.

33. H.N. Mahendra , V. Pushpalatha , S. Mallikarjunaswamy , S. Rama Subramoniam , J. Praveen, "Analyzing land use land cover changes in Mysuru taluk, Karnataka state, India using vision transformers.", DOI: <https://doi.org/10.1016/j.acags.2025.100308>, Applied Computing and Geosciences; ISSN:25901974.
34. Arjun Sunil Rao, Nandini A. Pattana Hetti , Basapur Guruprasad , Hanumanapura Nanjundaswamy Mahendra and Padmakumar A. Bajakke, "Quantum convolutional neural network-based hybrid network for remote sensing image classification.", DOI: <https://doi.org/10.1016/j.engappai.2025.113195>, Engineering Applications of Artificial Intelligence; Online ISSN: 1873-6769. Print ISSN: 0952-1976.
35. Manohar B S, Basavaraja Banakara, "Land use and land cover classification for change detection studies using convolutional neural network", DOI:<https://doi.org/10.1016/j.acags.2025.100227>, Applied Computing and Geosciences; ISSN:25901974.
36. Manohar B S, P M Shivakumaraswamy, Basavaraja Banakara, "Fabrication of electrospun PDMS-PVA hybrid zinc silicate incorporated nanofibrous membranes for air filtration", DOI: <https://doi.org/10.1515/ijmr-2025-0113>, Degruyterbrill, 2025, De Gruyter Saur, 2025.
37. N. M. Basavaraju, U. B. Mahadevaswamy, Mallikarjunaswamy Srikantaswamy, "Land Use/Land Cover (LULC) Change Classification for Change Detection Analysis of Remotely Sensed Data Using Machine Learning-Based Random Forest Classifier", <https://doi.org/10.46488/NEPT.2025.v24i02.B4238>, Nature Environment and Pollution Technology. (ISSN: 0971-4871)
38. Manohar B S, Basavaraja Banakara, "Intelligent control for distributed smart grid: comprehensive system integrating wave, fuel cell, and photovoltaic power generation", DOI:10.11591/ijece.v15i6.pp5119-5129, International Journal of Electrical and Computer Engineering (IJECE), p-ISSN 2088-8708
39. Manohar B S, P M Shivakumaraswamy, Basavaraja Banakara, "Adaptive Neuro Fuzzy Integrated Forecasting Control Architecture for High Penetration Renewable Micro Grids", DOI:<https://doi.org/10.64252/6cng1y20>, International Journal of Environmental Sciences (IJES), ISSN : 2229-7359

40. N. M. Basavaraju, U. B. Mahadevaswamy, Mallikarjunaswamy Srikantaswamy, "Optimized Crop Yield Forecasting Using the Naive Bayes Regression Algorithm in Smart Agriculture", DOI: <https://doi.org/10.48084/etasr.11856> Engineering Technology Applied Science & Research. eISSN -1792-8036; pISSN-2241-4487
41. Deepika Prabhakar, Nagaraja Shylashree, Sunitha Yariyur Narasimhaiah, Yashaswini Biligere Mariswamappa, Sheetal Singrihalli Hemaraj, "A fast half-subtractor using 8T static random-access memory for in-memory computation", <http://doi.org/10.11591/ijres.v14.i1.pp273-281>, International Journal of Reconfigurable and Embedded Systems. ISSN: 2089- 4864
42. Smitha G Prabhu, Mrs.Yashaswini B M, "A FRAMEWORK FOR FUZZY Q-LEARNING BASED QOS PARAMETER-DRIVEN SCHEDULING OPTIMIZATION FOR INTERNET OF THINGS APPLICATIONS IN CLOUD ENVIRONMENTS", <https://ijamjournal.org/ijam/publication/index.php/ijam/issue/view/6>, International Journal of Applied Mathematics. ISSN: 1311-1728
43. Manohar B S, P M shivakumaraswamy, Basavaraja Banakara, "Adaptive Neuro-Fuzzy Integrated Forecasting–Control Architecture for High-Penetration Renewable Microgrids", DOI:10.64252/6cng1y20 International Journal of Environmental Sciences ISSN: 2229-7359

Conference Publications: 2025

1. Sunita Shirahatti, Sowmya R Bangari, Deepika A J, Haritha D, Yashaswini B M, "Reversible Logic based Kogge -Stone Adder: Implementation and Analysis", 4th International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE); DOI: 10.1109/ICDCECE65353.2025.1103
2. Vidyashree K N, Mallikarjunaswamy S, Sharmila N, "Fault Tolerance in Fog Computing with Architectures Scheduling and Optimization for IoT", International Conference on Intelligent and Cloud Computing(ICoICC); DOI: 10.1109/ICoICC64033.2025.11052006
3. S Sheela, A P Latha, S Jyothi, H J Vidyanani, M Komala, N Sharmila, S Mallikarjunaswamy, "Enhancing Stockpile Management Through Deep Learning with a Focus on Demand Forecasting and Inventory Optimization", International Conference on Recent Advances in Science and Engineering Technology

4. H Jyothi, M Komala, S Mallikarjunaswamy, "Advancing Event Recognition in Videos Using Hybrid Deep Learning Model", International Conference on Recent Advances in Science and Engineering Technology (ICRASET) DOI: 10.1109/ICRASET63057.2024.10895392
5. H. S. Aravind, Mahesh Kumar, B.H. Raghunath, P.B. Praveen, Abhilash Manu, Kumar B. Kalyan, T. C. Manjunath, "Development of Advanced Intelligent Security Systems for Smart Transportation : Leveraging Image Detection with Python and OpenCV Concepts.", First International Conference on Artificial Intelligence, Computation, Communication and Network Security (AICCoNS 2025)
6. Aravind H S, Savitha AC, Usha S M, Amulys S lyengar, Rakshita, Amoghavarsha N D, "Design and Analysis of 6T SRAM cell in 45nm Technology Node", First International Conference on Artificial Intelligence, Computation, Communication and Network Security (AICCoNS 2025)
7. S Sheela, S Jyothi, A P Latha , H.J Ganesh , M Komala , C Naveen Kumar, "Automated Land Cover Classification in Urban Environments with Deep Learning Based Semantic Segmentation", International Conference on Recent Advances in Science and Engineering Technology (ICRASET); DOI: 10.1109/ICRASET63057.2024.10895689
8. Sheela S, Hemanth S, Nidhishree G Govinda Prasad D, Sameena H S, Jyothi R, Veena B, Sharmila N, Mallikarjunaswamy S, "Smart Object Detection and Audio Feedback System for the Visually Impaired", International Conference on Innovations in Intelligent Systems: Advancements in Computing, Communication, and Cybersecurity (ISAC3), Bhubaneswar, India, 2025, pp. 1-6, doi: 10.1109/ISAC364032.2025.11156667.
9. S Sheela, D Harshith, S Jyothi, D Souza Reshma, RC Ravindranath, N Sharmila, S Mallikarjunaswamy, "Securing Pharmaceutical Supply Chains using AI-Integrated Blockchain Technology", International Conference on Innovations in Intelligent Systems: Advancements in Computing, Communication, and

10. S Sheela, Aditi R Patil, AM Ganya, Anuritha Juturu, Veena V Pattankar, S Kumaraswamy, N Sharmila, M Shilpa, S Mallikarjunaswamy, "Secure Dual-Layer Access Control using Visual Cryptography and LSB Watermarking", International Conference on Innovations in Intelligent Systems: Advancements in Computing, Communication, and Cybersecurity (ISAC3), doi: 10.1109/ISAC364032.2025.11156269.
11. M Shilpa, Rohit Yadav, Anamika Patil, Lakshya Dadhich, Lokendar Singh Rathod, S Mallikarjunaswamy, "Game-Theoretic Optimization of National Energy Strategies Using Fbprophet Forecasting", International Conference on Intelligent and Cloud Computing (ICoICC), doi: 10.1109/ICoICC64033.2025.11052155.
12. Pukkela Pragati, Komala Mallikajunaiah, Mallikarjunaswamy Srikantaswamy, "Optimized Machine Learning Classifiers for Automatic Modulation Recognition of Digital Signals", International Conference on Intelligent and Cloud Computing (ICoICC), doi: 10.1109/ICoICC64033.2025.11052009.
13. Manasa Charitha, Sunil Hosur, Mallikarjunaswamy Srikantaswamy, "Mitigating Jamming in Chaos-Based Communication Systems Using Adaptive Interference Suppression", International Conference on Intelligent and Cloud Computing (ICoICC), doi: 10.1109/ICoICC64033.2025.11052119.
14. Dr. Kiran B, "Design of Robot for Maze Solving ROS based Mapping and Autonomous Navigation System", International Conference on Materials, Propulsion and Robotics - ICMPR 2025 10.18311/jmmf/2025/47408.
15. Dr. Sangeetha K N, "AI Based Patterns & Anomaly Threat detection in windows operating system.", International Conference on Digital Technology & Engineering, ICDTE 2025. DOI: 10.18178/IJDET
16. Shreekant Salotagi, Nelson Lungu, Mahendra H N, Bibhuti Bhusan Dash, Tanvir H Sardar, Sudhansu Shekhar Patra, "GPU Side-Channel Attack Resilience: NIST 2.0 Risk Management and Governance Strategies Assessment", International

17. Ayush Kumar Sinha, Aneesh Pingle, Arjun Sunil Rao, Basavaraj S Sannakashappanavar, H. N. Mahendra, S. Senthil Kumar, "Impact of CMOS Technology Scaling on ALU Performance: EDA-Based Study with GSDK Libraries", 2025 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER). DOI:10.1109/DISCOVER66922.2025.
18. Kiran B, Manjunatha KN, Sunil D M, Savitha S C, U Narmatha, Geetha Lakshmi S N, "Design of an Intelligent Delivery Robot using ROS based Localization and Autonomous Navigation", Congress on Intelligent Machines and Algorithms (CIMA2025). DOI: <https://doi.org/10.15625/vap.2020.00200>.
19. Shaista Tarannum, S. M. Usha, G. F. Ali Ahammed & Moeen Fathima, "Empowering Sustainable Development: Integrating AI, ML, and LoRaIoT for enhanced LoRaWAN Performance and SDG Achievement", 3rd International Conference on Advancing Sustainable Futures (ICASF 2025). DOI <https://doi.org/10.1007/975-3-031-90046-420>
20. Arpita Paria, Tanvir H Sardar, Swastika Jain T J, Mahendra H N, Anjan Bandyopadhyay, Showkat Ahmed Dar, "Data-Driven Approaches for Enhancing Groundnut Yield Prediction: Integrating Climate, Soil, and Machine Learning Insights", International Conference on Intelligent and Secure Engineering Solutions (CISES). DOI: 10.1109/CISES66934.2025.11265409

Journal Publications: 2024

1. Dr. Mallikarjunaswamy S, "An efficient unused integrated circuits detection algorithm for parallel scan architecture", International Journal of Electrical and Computer Engineering (IJECE), Vol. 14, No. 1, February 2024, pp. 469~478 ISSN: 2088-8708, DOI: 10.11591/ijece.v14i1.pp469-478
2. Dr. Mallikarjunaswamy S, "An efficient adaptive reconfigurable routing protocol for optimized data packet distribution in network on chips", International Journal of

3. Dr. Mallikarjunaswamy S., Honnegowda J., Mallikarjunaiah K., (2024). An efficient abnormal event detection system in video surveillance using deep learning-based reconfigurable autoencoder. *Ingénierie des Systèmes d'Information*, Vol. 29, No. 2, pp. 677-686. <https://doi.org/10.18280/isi.290229>
4. Shankara, K. H., Srikantaswamy, M., & Nagaraju, S. (2024b). A comprehensive study on DC DC converter for equal current sharing and voltage stability in renewable energy resources. *Journal Européen Des Systèmes Automatisés*, 57(2), 323–334. <https://doi.org/10.18280/jesa.570202>
5. Katageri, G. S., & Swamy, P. M. S. (2024). Denoising and analysis of synthetic aperture radar images using improved weight threshold technique in curvelet transform frequency domain. *Multimedia Tools and Applications*. <https://doi.org/10.1007/s11042-024-19304-7>.
6. Suguna, G. C., & T, V. S. (2024). Identification and classification of Prakriti of human using facial features. *IAES International Journal of Artificial Intelligence*, 13(2), 2093. <https://doi.org/10.11591/ijai.v13.i2.pp2093-2101>.
7. Dayananda, P., Srikantaswamy, M., Nagaraju, S., & Nanjundaswamy, M. H. (2024). A MachineLearning-Based smart grid protection and control framework using Kalman filters for enhanced power management. *Journal Européen Des Systèmes Automatisés*, 57(3), 639–651. <https://doi.org/10.18280/jesa.570301>.
8. Tarannum, S., Usha, S. M., & Ahammed, G. F. A. (2024). A comprehensive study of LPWAN, LoRaWAN for IoT: Background, related research, performance, potential challenges and proposed methodology. *AIP Conference Proceedings*, 3122, 080001. <https://doi.org/10.1063/5.0216057>.
9. Mahendra, H., Pushpalatha, V., Mallikarjunaswamy, S., Subramoniam, S. R., Rao, A. S., & Sharmila, N. (2024). LULC change detection analysis of Chamarajanagar

district, Karnataka state, India using CNN-based deep learning method. *Advances in Space Research*. <https://doi.org/10.1016/j.asr.2024.07.066>.

10. Achar, S. D., P. T., Nandi, S., & Nandi, S. (2024). LiteHash: Hash functions for Resource-Constrained hardware. *ACM Transactions on Embedded Computing Systems*. <https://doi.org/10.1145/3677181>.
11. Shankara, K. H., Srikantaswamy, M., & Nagaraju, S. (2024c). Optimizing energy storage and hybrid inverter performance in smart grids through machine learning. *Information Dynamics and Applications*, 3(3), 146–161. <https://doi.org/10.56578/ida030301>.
12. Honnegowda, J., Mallikarjunaiah, K., & Srikantaswamy, M. (2024). Enhanced abnormal event detection in surveillance videos through optimized regression algorithms. *Journal of Intelligent Systems and Control*, 3(2), 121–134. <https://doi.org/10.56578/jisc030205>.
13. Pushpalatha, V., Mahendra, H. N., Prasad, A. M., Sharmila, N., Kumar, D. M., Basavaraju, N. M., Pavithra, G. S., & Mallikarjunaswamy, S. (2024). An assessment of land use land cover using machine learning technique. *Nature Environment and Pollution Technology*, 23(4), 2211–2219. <https://doi.org/10.46488/nept.2024.v23i04.025>.
14. Bangari, S. R., & Shivaleelavathi, B. G. (2024). A systematic review on voltage stability analysis in smart and islanded microgrid parallel inverters. *International Journal of Power Electronics and Drive Systems/International Journal of Electrical and Computer Engineering*, 15(4), 2422. <https://doi.org/10.11591/ijpeds.v15.i4.pp2422-2434>.

Conference Publications: 2024

1. Dr. Veeramma Yatnalli, Dr. Saroja S Bhusare, "Development of Personalized Health Detection Device for Covid-19", 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things 5th & 6th January 2024, Reva University, Bangalore January 2024

2. Dr. Anuradha M G, Niranjana L, Ananth Kumar M S, Parthasarathy P, Venkatesh M, Imtiyaz Ahmed B K. ADS-based Redeployment Strategy for Wireless Sensor Networks to Improve Coverage Time and Distance. Proceedings of the International Conference on recent advances in science and engineering technology, March 2024 in IEEE Xplore, ISBN:979-8-3503-0693-4, DOI: 10.1109/ICRASET59632.2023.10420390.
3. Mr. Basavaraju N M, Dr. U B Mahadevaswamy, and Dr. Mallikarjunaswamy, Design and Implementation of Crop Yield Prediction and Fertilizer Utilization Using IoT and Machine Learning in Smart Agriculture Systems, Proceedings of Second International Conference on Networks, Multimedia and Information Technology (NMITCON), August -2024. DOI: 10.1109/NMITCON62075.2024.10699184.
4. P, T., G, V., Suresh, G., & Nandi, S. (2024). Tunable Approximate Multiply Accumulate circuit. 2017 IEEE Region 10 Symposium (TENSYP), 1–6. <https://doi.org/10.1109/tensymp61132.2024.10752236>.
5. K.N Sangeetha, H R Punya, S P Srujan, P Sunil, G Harshitha, S Mallikarjunaswamy, N Sharmila, M Komala, M Shilpa, Pilot Implementation of Efficient Automation in Sericulture Farms Using Internet of Things (IoT), Proceedings of Second International Conference on Networks, Multimedia and Information Technology (NMITCON-2024), DOI: 10.1109/NMITCON62075.2024.10698940.
6. Dr. Savitha AC, Dr. MallikarjunaSwamy S, Renewable Energy-Based Smart Agriculture Systems for Climate Change Prediction and Impact Mitigation, Proceedings of 2nd IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON), August 2024. DOI: 10.1109/NMITCON62075.2024.10698969
7. M. Suresh Anand, S. Venkatramulu, Sesha Vidhya S, W T Chembian, Yashaswini B M, Magesh Kumar B, Jellyfish Search Optimizer with Deep Learning Driven Cervical Cancer Recognition and Classification Model on Biomedical Images, Proceedings of the Second International Conference on Advances in Information Technology, in IEEE Xplore, DOI: 10.1109/ICAIT61638.2024.10690369
8. Ambily Babu, B. G. Shivalaelavathi, Veeramma Yatnalli, Delay Minimization Technique to improve the efficiency of Parameter Optimized Hysteretic Current Controlled Parallel

Hybrid ETPA in Mobile Communication, Proceedings of 2024 IEEE International Conference on Contemporary Computing and Communications (InC4), in IEEE Xplore, DOI: 10.1109/InC460750.2024.10649108

9. Narendra Kumar, P M Shivakumarswamy, N Nikhil, Nagaraj Moger, M.Vijay Raghav, B M Kavya, N Yuvaraj, H N Mahendra, S Mallikarjunaswamy, Proceedings of 2024 Second International Conference on Networks, Multimedia and Information Technology(NMITCON-2024), in IEEE Xplore, DOI: 10.1109/NMITCON62075.2024.10698816
10. H.S Kavitha, S M Usha, S.N Sheela, H Anu, N Sharmila, S Mallikarjunaswamy, N M Basavaraju, P Ravi, G S Pavithra, Proceedings of 2nd IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON), August 2024. DOI: 10.1109/NMITCON62075.2024.10698915

Journal Publications: 2023

1. Sapna Kumari. C, Niranjankumar, Revanna CR, Neelappa, Veeramma Yathnalli ,'Design and performance analysis of the dynamic reduction of Intrinsic Interference Suppression and BER using Qam-based FBMC for MU-MIMO Communications ' ,International Journal on Recent and Innovation Trends in Computing and Communication, <https://doi.org/10.17762/ijritcc.v11i8s.7240>
2. Sadiya Thazeen,Srikantaswamy Mallikarjunaswamy ,'The effectiveness of 6T beamformer algorithm in smart antennae systems for convergence analysis ' ,IIUM Engineering Journal, Vol. 24, No. 2, 2023,DOI: <https://doi.org/10.31436/iiumej.v24i2.2730>
3. Shubha B, Anuradha M G, Poornima N,Suprada H S, Prathiksha R V ,'Implementation of blood Glucose and cholesterol monitoring device using non-invasive technique ' ,EMITTER International Journal of Engineering Technology,Vol. 11, No. 1, June 2023, pp. 76~88,DOI : 10.24003/emitter.v11i1.766
4. T. Hemalatha, A. Bhuvaneswari, N Poornima, B Shubha, K. Santhi, M. Lawanyashri, Geeta C. Mara ,'Secure and private data sharing in CPS e-health

systems based on CB-SMO techniques ' ,Measurement: Sensors Volume 27, June 2023, 100787 ,<https://doi.org/10.1016/j.measen.2023.100787>

5. H. N. Mahendra, S. Mallikarjunaswamy & S. Rama Subramoniam , 'An assessment of vegetation cover of Mysuru City, Karnataka State, India, using deep convolutional neural networks ' ,Environmental Monitoring and Assessment volume 195, Article number: 526 (2023) ,DOI <https://doi.org/10.1007/s10661-023-11140-w>
6. Veeramma Yatnalli, Saroja S. Bhusare, Manjunath A., Neelappa, Prakash , 'Performance Analysis of Graph theory-based Contrast Limited Adaptive Histogram Equalization for Image Enhancement ' ,WSEAS TRANSACTIONS on SYSTEMS ,DOI: 10.37394/23202.2023.22.23
7. H. N. Mahendra, S. Mallikarjunaswamy, D. Mahesh Kumar, Shilpi Kumari, Shubhali Kashyap, Sapna Fulwani, Aishee Chatterjee , 'Assessment and Prediction of Air Quality Level using ARIMA Model; A case Study of Surat City, Gujarat State, India ,Nature Environment and Pollution Technology, Vol. 22, No. 1, 2023,DOI:10.46488/NEPT.2023.v22i01.018
8. Veeramma Yatnalli, Saroja S. Bhusare, B.G. Shivaleelavathi , C. Sheetal, B. Reshma M. Swetha, and H. N. Yashaswini , 'Design and Development of Solar Powered Automatic Irrigation System for Modernization of Agriculture ' ,AGRIVITA Journal of Agricultural Science. 2023. 45(1): 173-187,DOI: <http://doi.org/10.17503/agrivita.v45i1.3753>
9. M. Kavitha, S. Akhila, A. Kannan , 'Design and Implementation of a Second Order Continuous-Time $\Sigma\Delta$ Modulator for ECG Signal Acquisition ' ,Engineering, Technology & Applied Science Research(ETASR), vol. 13, no. 1, pp. 10128–10133, Feb. 2023.,<https://doi.org/10.48084/etasr.5567>
10. Pooja S, Mallikarjunaswamy S, Sharmila N , 'Image region driven prior selection for image deblurring ' ,Multimedia Tools and Applications volume 82, pages 24181–24202 (2023),DOI <https://doi.org/10.1007/s11042-023-14335-y>

11. Ambily Babu, B. G. Shivaleelavathi, Veeramma Yatnalli, 'Efficiency Analysis and Design Considerations of a Hysteretic Current Controlled Parallel Hybrid Envelope Tracking Power Supply', Engineering, Technology & Applied Science Research, Vol. 13, No. 1, 2023, 9812-9818, <https://doi.org/10.48084/etasr.5414>
12. Venkatesh, D.Y., Mallikarjunaiah, K., Srikantaswamy, M., 'A high-throughput reconfigurable LDPC codec for wide band digital communications', Journal Européen des Systèmes Automatisés, Vol. 56, No. 4, pp. 529-538, <https://doi.org/10.18280/jesa.560402>
13. Divyashree Yamadur Venkatesh, Komala Mallikarjunaiah, Mallikarjunaswamy Srikantaswamy, 'An efficient reconfigurable code rate cooperative low-density parity check codes for gigabits wide code encoder/decoder operations', International Journal of Electrical and Computer Engineering (IJECE) Vol.13, No.6, December 2023, pp. 6369~6377, DOI: 10.11591/ijece.v13i6.pp6369-6377
14. Mamatha M. Pandith, Nataraj Kanathur Ramaswamy, Mallikarjunaswamy Srikantaswamy, Rekha Kanathur Ramaswamy, 'An efficient reconfigurable geographic routing congestion control algorithm for wireless sensor networks', International Journal of Electrical and Computer Engineering (IJECE) Vol.13, No.6, December 2023, pp.6388-6398, DOI: 10.11591/ijece.v13i6.pp6388-6398
15. Sadiya Thazeen, Mallikarjunaswamy Srikantaswamy, 'An efficient reconfigurable optimal source detection and beam allocation algorithm for signal subspace factorization', International Journal of Electrical and Computer Engineering (IJECE) Vol.13, No.6, December 2023, pp. 6452~6465, DOI: 10.11591/ijece.v13i6.pp6452-6465
16. Chandana Chikkasiddaiah, Parthasarathy Govindaswamy, Mallikarjunaswamy Srikantaswamy, 'An efficient hydro-crop growth prediction system for nutrient analysis using machine learning algorithm', International Journal of Electrical and Computer Engineering (IJECE) Vol.13, No.6, December 2023, pp.6681-6690, DOI: 10.11591/ijece.v13i6.pp6681-6690

17. H.N. Mahendra and S. Mallikarjunaswamy, 'An analysis of change detection in land use land cover area of remotely sensed data using supervised classifier', International Journal of Environmental Technology and Management, Volume 26, Year 2023, pp 498-511, <https://doi.org/10.1504/IJETM.2023.134322>
18. S Rama Subramoniam, Mallikarjunaswamy Swamy, H.N. Mahendra, "An assessment of built-up cover using geospatial techniques – a case study on Mysuru district, Karnataka state, India".', International Journal of Environmental Technology and Management, <https://doi.org/10.1504/IJETM.2023.130787>
19. BH Raghunath, HS Aravind, 'An Efficient FPGA-Based Dynamic Partial Reconfigurable Implementation', International Journal of Intelligent Systems and Applications in Engineering,
20. Vijay Kumar Reddy I, Aravinda H S, 'Designing a Fault-Tolerant System for Hearing Aids: Echo Detection and Rectification Using SVM Classifier', Tuijin Jishu/Journal of Propulsion Technology, DOI: <https://doi.org/10.52783/tijpt.v44.i4.1295>
21. V Vijayalakshmi, DM Kumar, SCP Kumar, S Veeramani, 'Soil salinity prediction based on hybrid classifier: study on Bellary and Chamarajanagar district in Karnataka', Multimedia Tools and Applications,
22. SS Dambal, MK Doddanajeddevaru, SB Gopalakrishna, 'A Hybrid Feature Dimension Reduction and SVM for a Classification of Heart Rate Variability.', International Journal of Intelligent Engineering & Systems, DOI: 10.22266/ijies2023.1031.10
23. Vijayalakshmi Venugopal, Doddanajeddevaru Mahesh Kumar | Veeramani Selvaraj | Shiradanahalli Chandrashekaraiah Prasanna Kumar, 'Analysis of Salinity Indices Using SVM Based Approach of Ballari Town, India', Mathematical Modelling of Engineering Problems, Vol. 10, No. 5, October, 2023, pp. 1803-1810, Journal homepage: <http://iieta.org/journals/mmep>, DOI: <https://doi.org/10.18280/mmep.100532>

24. Dr. H. N. Mahendra, Dr. Mallikarjunaswamy S, "An analysis of change detection in land use land cover area of remotely sensed data using a supervised classifier", International Journal of Environmental Technology and Management, 3rd October 2023, <https://doi.org/10.1504/IJETM.2023.134322>
25. Dr. Mallikarjunaswamy S, "An efficient reconfigurable code rate cooperative low-density parity check codes for gigabits wide code encoder/decoder operations", ISSN: 2088-8708, DOI: 10.11591/ijece.v13i6 International Journal of Electrical and Computer Engineering (IJECE) Vol. 13, No. 6, December 2023, pp. 6369~6377
26. Mrs. Kavitha H S, Mr. Manohar B S, Dr. G Parameshwarappa, "Comparative Study of RISC-V ISA for Low-Power Applications", Semiconductor Optoelectronics, Vol. 42 No. 2 (2023), 770-781, <https://bdtgd.cn/>, ISSN: 1001-5868, December 2023
27. Ms. B. M. Yashaswini, "Energy efficient greedy tree based algorithm for data aggregation in wireless sensor network", Measurement Sensors, Volume 30, December 2023, 100910, <https://www.sciencedirect.com/science/article/pii/S2665917423002465>
28. Bhusare S., Yatnalli V, Kumar S. & Neelappa N., (2023, December 1). Improving graphics processing unit performance based on neural network direct memory access controller. Indonesian Journal of Electrical Engineering and Computer Science, 32(3), 1476. <https://doi.org/10.11591/ijeecs.v32.i3.pp1476-1484>

Conference Publications: 2023

1. Sahana A R, Chiraag V, Gautham Suresh, Thejaswini P, Sukumar Nandi, ' Application of Error Detection and Correction Techniques to Self-Checking VLSI Systems: An Overview ', 2023 IEEE Guwahati Subsection Conference (GCON), DOI: 10.1109/GCON58516.2023.10183449
2. Sagar Dev Achar, Shankar Singh C, Thejaswini P, Sukumar Nandi, ' Secure Video Streaming Techniques: A Performance Overview ', 2023 IEEE Guwahati Subsection Conference (GCON), DOI: 10.1109/GCON58516.2023.10183567

3. Hrushik Raj S, Thejaswini P, Sukumar Nandi,' Reverse Engineering techniques for Android systems: A Systematic approach ',2023 IEEE Guwahati Subsection Conference (GCON) ,DOI: 10.1109/GCON58516.2023.10183629
4. N Poornima,G S Gunasagari, Ankitha S Bangar, Pokala Sai Sparsha Prasad, Poorvi Pai, Poorvi Pai,' Patronus: Fire Detection and Extinguisher System using Image Processing ',7th IEEE International Conference on Intelligent Computing and Control Systems (ICICCS),DOI: 10.1109/ICICCS56967.2023.10142665
5. Saroja S Bhusare, Veeramma Yatnalli, Shreyas E , Shreeram Aithal , Gayana A Jain, Sreekaar O,' Optimized Reversible Arithmetic and Logic Unit ',4th International Conference on Communication and Intelligent Systems (ICCIS 2022), NIT, Delhi,https://doi.org/10.1007/978-981-99-2100-3_50
6. G. S. Pavithra, S. Pooja, V. Rekha, H. N. Mahendra, N. Sharmila & S. Mallikarjunaswamy ,' Comprehensive Analysis on Vehicle-to-Vehicle Communication Using Intelligent Transportation System ',International Conference on Soft Computing for Security Applications(ICSCS 2023),https://doi.org/10.1007/978-981-99-3608-3_62
7. Saroja S Bhusare, Veeramma Yatnalli,Sanket G Patil , Shailesh Kumar, Niranjana Ramanna Havinal , Subhash C S,' Machine Learning and Digital Image Processing in Lung Cancer Detection ',2nd International Conference on Intelligent Vision and Computing 2022 (ICIVC 22),https://doi.org/10.1007/978-3-031-31164-2_6
8. M. L. Umashankar, S. Mallikarjunaswamy, N. Sharmila, D. Mahesh Kumar & K. R. Nataraj,' A Survey on IoT Protocol in Real-Time Applications and Its Architectures ',ICDSMLA 2021. Lecture Notes in Electrical Engineering, vol 947. Springer, Singapore.,https://doi.org/10.1007/978-981-19-5936-3_12
9. D. Prakyath, S. Mallikarjunaswamy, N. Sharmila, V. Rekha & S. Pooja ,' A Comprehensive Review on Fault Data Injection in Smart Grid ',ICICCT 2023. Lecture Notes in Networks and Systems,,https://doi.org/10.1007/978-981-99-5166-6_44

10. Kavitha H S, Shilpa S Patil,' Implementation of LBPH Algorithm for Covid Patient Isolation Violation Detection ',IEEE 7th International Conference on Recent Advances and Innovations in Engineering (ICRAIE),<https://doi.org/10.1109/ICRAIE56454.2022.10054259>
11. Sowmya R Bangari; Sunita Shirahatti; Veerabhadrapa S T; Suguna G C; Kavitha H S,' Communication Decipher: Text to Speech and Hand Gesture to Speech Conversion ',IEEE Second International Conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering (ICATIECE), <https://doi.org/10.1109/ICATIECE56365.2022.10046699>
12. Sunita Shirahatti, Rajashekhar Shettar, Rohini Hongal, Uma Malenahalli,' Performance analysis of RNS Arithmetic Operations using Reversible Logic ',2022 Fourth International Conference on Emerging Research in Electronics , Computer Science and Technology, 10.1109/ICERECT56837.2022.10060538
13. Shubha B, Poornima N, Vachana M Gowda, Sushma U, Meghana Y R, Bhoomika T S, "Emotion Recognition based on PPG and GSR Signals using DEAP Dataset", 2023 International Conference on Network, Multimedia and Information Technology (NMITCON), DOI: 10.1109/NMITCON58196.2023.10276131, October 2023 <https://ieeexplore.ieee.org/document/10276131/authors#authors>
14. Dr. Mallikarjunaswamy S, "A Comprehensive Review on Fault Data Injection in Smart Grid", International Conference on Information, Communication and Computing Technology, ICICCT 2023, October 2023 Lecture Notes in Networks and Systems, vol 757. Springer, Singapore. https://doi.org/10.1007/978-981-99-5166-6_44
15. Dr. Thejaswini P , "Strengthening NoC Security: Leveraging Hybrid Encryption for Data Packet Protection ", Strengthening NoC Security: Leveraging Hybrid Encryption for Data Packet Protection ,<https://doi.org/10.1109/TENCON58879.2023.10322428>
16. Dr. Veerabhadrapa S T, Mrs. Suguna G C, Hrishikesha, Deepika A J, Aruna Kirana Kumar, Sinchana S H, Harshit Kumar B, "Machine Learning Approach for Tuberculosis Classification Using Segmentation", "2nd IEEE International

Interdisciplinary Humanitarian Conference for Sustainability (IIHC-2023)" held on 3rd & 4th November 2023 Sri Venkateshwara College of Engineering, Bengaluru

17. Mrs. Gouri S Katageri, Dr P. M. Shivakumara Swamy, "Denoising of Synthetic Aperture Radar Images Using Dual Tree Curved Wavelet Transform with Modified Cellular Neural Networks", International Conference on Emerging Research in Computing, Information, Communication and Applications, https://doi.org/10.1007/978-981-99-7622-5_12, https://link.springer.com/chapter/10.1007/978-981-99-7622-5_12, December 2023
18. Dr. Sangeetha K N, "Machine Learning in Precision Agriculture", 2023 4th International Conference on Communication, Computing and Industry 6.0 (C216), 15th & 16th December 2023, CMRIT, Bengaluru.
19. Dr. Sangeetha K N & Dr. Usha B A, A Survey on Big Data in Cyber Security, (September 2023), IEEE International Conference on Multidisciplinary Research in Technology & Management & New Horizon College of Engineering, Bengaluru.
20. S. Sheela, K. B. Naveen, N. M. Basavaraju, D. Mahesh Kumar, M. Krishnaiah and S. Mallikarjunaswamy, "An efficient vehicle to vehicle communication system using intelligent transportation system, (ICRASET-2023), pp. 1-6, DOI:10.1109/ICRASET59632.2023.10420043
21. Mallikarjunaswamy, M Kavitha, Jyothi S, Narendra Kumar, Sharmila N, & Kavya B M: A machine learning based power load prediction system for smart grid energy management; (ICRASET-2023), pp. 1-6, DOI:10.1109/ICRASET59632.2023.10420183
22. S. Mallikarjunaswamy, Kumar D Mahesh, S Sheela, Jadagerimath A. N., S Prakash, Tevaramani Saleem ; A Machine Learning based Consumer Power Management System using Smart Grid; (ICRASET-2023), pp. 1-5, DOI:10.1109/ICRASET59632.2023.10419979
23. S. Mallikarjunaswamy, B. M. Kavya, N. Sharmila, K. B. Naveen, , K. S. Manu and S. Manjunatha; A Machine Learning based Smart Grid for Home Power

Journal Publications: 2022

1. Dr. B G Shivaleelavathi, Dr. Veeramma Yatnalli, A Comprehensive Review on Supply Modulators and Control Strategies for Envelope Tracking RF Power Amplifiers in Mobile Communication, IETE Journal of Research, Taylor and Francis, DOI: 10.1080/03772063.2021.1987998.
2. Mrs. Latha B N, Optimal path discovery for two moving sinks with a common junction in a wireless sensor network, Indonesian Journal of Electrical Engineering and Computer Science (ijeecs), DOI:10.11591/ijeecs.v23.i2.pp879-889.
3. Dr. Poornima N, Threshold Compare and Load Balancing Algorithm to for Resource Optimization in a Green Cloud, Revista Gestão Inovação e Tecnologias, DOI:10.47059/revistageintec.v11i4.2473.
4. Dr. Poornima N, Mrs. Shubha B, Internet of Behavior: A Sneak Peek, Efflatounia – Multidisciplinary Journal.
5. Dr. Mallikarjunaswamy S, An efficient hybrid reconfigurable wind gas turbine power management system using MPPT algorithm, International Journal of Power Electronics and Drive Systems (IJPEDS), DOI: <http://doi.org/10.11591/ijpeds.v12.i4.pp2501-2510>.
6. Mrs. Suguna G C, Dr. S T Veerabhadrappe, Analysis Of HRV And Classification During Normal Pregnancy Using Support Vector Classifier, gis.Science - Die Zeitschrift fur Geoinformatik.
7. Dr. PM Shivakumaraswamy, Smart mirror with Alexa using Raspberry Pi, International Journal of Engineering Applied Sciences and Technology(IJEAST), ISSN No. 2455-2143.

8. Dr. Usha S.M, A new approach to improve the performance of OFDM signal for 6G communication, DOI: <https://doi.org/10.48550/arXiv.2206.01979>.
9. Mrs. Savitha A C, Dr. Parameshappa G and Dr. Aravind H S, Integration of DFI Board with LTE-CAT-M for M2M Communication, Journal of Advanced Research in Wireless, Mobile & Telecommunication.
10. Dr. Sathish Shet, Mrs. Latha B N, Optimization in the Ad Hoc On-Demand Distance Vector Routing Protocol, Journal of Wireless Communications and Mobile Computing, DOI: <https://doi.org/10.1155/2022/7322291>.
11. Mrs. Suguna G C, Dr. S T Veerabhadrapa, A Machine learning Classification approach for detection of Covid 19 using CT images, Emitter: International Journal of Engineering Technology. DOI: <https://doi.org/10.24003/emitter.v10i1.672>.
- 12.D. Mahesh Kumar, Sharada Suresh dambal, Dr Sudarshan B.G, "Statistical analysis on Heart rate variability (HRV) features to detect congestive heart failure", Journal of pharmaceutical Negative results, 2022
- 13.Thejaswini P, Vivekananda G, Anu H, Priya R, Krishna Prasad B S, Nischay M, "Hardware Trojan Detection and Mitigation in NoC using Key authentication and Obfuscation Techniques", EMITTER International Journal of Engineering Technology EEPIS, 2022
- 14.Thejaswini P, Anu H, Aravind H S, D Mahesh Kumar, Syed Asif, Thirumalesh B, Pooja C A, Pavan G R, "Hardware Trojan Detection based on Testability Measures in Gate Level Netlists using Machine Learning", International Journal of Advanced Computer Science and Applications SCIENCE & INFORMATION SAI ORGANIZATION LTD, 2022
- 15.Veeramma Yatnalli, Saroja S. Bhusare, B.G. Shivaleelavathi, C. Sheetal, B. Reshma, M. Swetha, and H. N. Yashaswini. , "Design and Development of Solar Powered Automatic Irrigation System for Modernization of Agriculture", AGRIVITA

16. Ambily Babu, B. G. Shivaleelavathi, Veeramma Yatnalli, "Efficiency Analysis and Design Considerations of a Hysteretic Current Controlled Parallel Hybrid Envelope Tracking Power Supply", Technology & Applied Science Research, EOS ASSOC , ARCHAIAS ILIDAS 16, GASTOUNI, GREECE, <https://doi.org/10.48084/etasr.5414>
17. Mahendra H N, and Mallikarjunaswamy, "An Efficient Classification of Hyperspectral Remotely Sensed Data Using Support Vector Machine", SINTL JOURNAL OF ELECTRONICS AND TELECOMMUNICATIONS, Poolish, 2022
18. M Kavitha , Akhila S, Anand Kannan , "Design and Implementation of a Second Order Continuous-Time $\Sigma\Delta$ Modulator for ECG Signal Acquisition", Technology & Applied Science Research, EOS ASSOC , ARCHAIAS ILIDAS 16, GASTOUNI, GREECE, <https://doi.org/10.48084/etasr.5567>
19. Siddesh G. K, Anu H, Chaithanya S., Sathish Shet K, "Neuro Fuzzy Model Based Routing Protocol in Mobile Ad-Hoc Networks", I. J. Computer Network and Information Security, 2022, MECS Press
20. MANJUNATH A. NEELAPPA , PRAKASH , VEERAMMA YATNALLI , SAROJA S. BHUSARE , "Performance Analysis of Graph theory-based Contrast Limited Adaptive Histogram Equalization for Image Enhancement", TRANSACTIONS on SYSTEMS World Scientific and Engineering Academy and Society, 2022
21. Sangeetha K.N, Dr. Seema Singh, Dr. Usha B.A., "Development of Novel Blockchain Technology for Certificate Management System using Cognitive Image Steganography Techniques", JOURNAL OF ALGEBRAIC STATISTICS, 2022

Conference Publications: 2022

1. Mrs. H. S. Kavitha, Mrs. Shilpa Patil, M. S. Abhiram, Ashik J. Shetty, Ganesh Gowtam & Ananya Srinath, Review paper on COVID-19 Patient Isolation Detector, Proceedings of Third International Conference on Intelligent Computing, Information and Control Systems, Advances in Intelligent Systems and Computing, vol 1415. Springer, Singapore. https://doi.org/10.1007/978-981-16-7330-6_23.
2. Mr. H.N Mahendra; Dr. Mallikarjunaswamy S, Chandan B Nooli, M Hrishikesh, N Kruthik and Havish Manikya Vakkalanka Cloud based Centralized Smart Cart and Contactless Billing System, 7th International Conference on Communication and Electronics Systems(ICCES-2022), DOI: 10.1109/ICCES54183.2022.9835856, IEEE Xplore.
3. Ms. Gunasagari G S, Dr. Poornima N, Abhijna Yaji, Anisha Maria Dsilva, Achuth M, Chethana S R, Keller: Indian Sign Language based Gesture to text and speech assistant for Covid-19 Protective quotes, 7th International Conference on Communication and Electronics Systems(ICCES-2022), DOI: 10.1109/ICCES54183.2022.9835823, IEEE Xplore.
4. Mrs. Kavitha H S, Mr. Manohar B S, Mrs. Spandana S and Mrs. Shilpa Patil, Microcontroller Implementation of the Maximum Power Point Tracking Technique for PV Systems, International Conference on Applied Artificial Intelligence and Computing (ICAAIC-2022), DOI: 10.1109/ICAAIC53929.2022.9793023, IEEE Xplore.
5. Saroja S Bhusare, Veeramma Yatnalli,Sanket G Patil , Shailesh Kumar, Niranjana Ramanna Havinal , Subhash C S, "Machine Learning and Digital Image Processing in Lung Cancer Detection", 2nd International Conference on Intelligent Vision and Computing 2022 (ICIVC 22), NIT, Agartala 26 Nov 2022 - 27 Nov 2022
6. Anu H., Yogeshwary B. H., Yashwanth N., "Leaf Disease Detection and Prevention using Deep Learning", IEEE Xplore, International Conference on Artificial Intelligence and Data Engineering (AIDE)

7. Saroja S Bhusare, Veeramma Yatnalli, Shreyas E , Shreeram Aithal , Gayana A Jain, Sreekaar O, "OPTIMIZED REVERSIBLE ARITHMETIC AND LOGIC UNIT", 4th International Conference on Communication and Intelligent Systems (ICCIS 2022), NIT, Delhi 19 Dec 2022 - 20 Dec 2022
8. Veeramma Yatnalli, Saroja S Bhusare, Kavitha M, Akshatha Naik, Ashwini T, Dakshshayani, Chandana D, "Restoration of Images Corrupted by Multipath Fading Channel with Weighted Encoding", IEEE Xplore 2022 Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT), 10.1109/ICERECT56837.2022.10060671
9. Sunita Shirahatti, Rajashekhar Shettar, Rohini Hongal, Uma Malenahalli, "Performance Analysis of RNS Arithmetic Operations using Reversible Logic", IEEE Xplore 2022 , Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT), 10.1109/ICERECT56837.2022.10060538
10. Sowmya R Bangari, Sunita Shirahatti, S.T.Veerabhadrappe, Suguna G C, Kavitha H S , "Communication Decipher: Text to Speech and Hand Gesture to Speech Conversion", IEEE Xplore 2022 Second International Conference on Advanced Technologies in Intelligent Control, Environment, Computing and Communication Engineering ICATIECE,) on 16th – 17th December 10.1109/ICATIECE56365.2022.10046699
11. Lakshmi S K, Marigoli Sangeeta Mahabaleswar, Meghana V, Shambhavi Iyer, Anu H, "LEAF DISEASE DETECTION AND PREVENTION USING DEEP LEARNING – REVIEW", International Conference on Engineering, Management and Technology (ICETEMT-2022) 2022 IJRAR October 2022, Volume 9, Issue 4
12. Savitha AC, M N Jayaram, Chethan, Manjunath, " Development of Energy-Efficient Algorithm for wireless networks", International Conference on Emerging trends in Engineering, Management and Technology IVETEMT-2022)2022

Journal Publications: 2021

1. Sadiya Thazeen, Mallikarjunaswamy S, Siddesh.G.K, Sharmila.N., Conventional and Subspace Algorithms for Mobile Source Detection and Radiation Formation, Traitement Du Signal, International Information and Engineering Technology Association (IIETA), DOI: <https://doi.org/10.18280/Ts.380114>
2. S Mallikarjunaswamy, N Sharmila, H N Mahendra, A Comprehensive Review of Parallel Concatenation of LDPC Code Techniques, Indian Journal of Science and Technology, Indian Society for Education and Environment (ISEE), 10.17485/IJST/V14i5.2171
3. Thejaswini P., Anu H., D. Mahesh Kumar, Aravinda H.S., "An Adaptive Algorithm Based Authentication System for Real-Time Biometric Time-Attendance System", Information Technology in Industry, La Trobe Univ, Dept Computer Science & Computer Engineering, Feb 2021. DOI: 10.17762/Itii.V9i1.104
4. Vijayalakshmi V, D Mahesh Kumar, S C Prasanna Kumar And Thejaswini P., NDVI COMPUTATION OF LISS III IMAGES USING QGIS, Information Technology in Industry, La Trobe Univ, Dept Computer Science & Computer Engineering, March 2021. DOI: 10.17762/Itii.V9i1.291
5. Kavitha M, Akhila S, Analysis and Design of OTA Topologies for Bio-Potential Signals, IJFGCN, SERSC, 10th March, 2021, Vol. 14 No. 1 (2021), ISSN: 2233-7857
6. Veeramma Yatnalli, B G Shivaleelavathi, Saroja S Bhusare, Wheelchair Control Using Brain Computer Interface, International Journal of Future Generation Communication and Networking, Science & Engineering Research Support Society, 10th March, 2021, Vol. 14 No. 1 (2021), ISSN: 2233-7857

7. A Madhu, M Komala, V Rekha, S Mallikarjunaswamy, Design of Fuzzy Logic Controlled Hybrid Model for The Control of Voltage and Frequency in Microgrid, Indian Journal of Science and Technology, 10.17485/IJST/V13i35.1510
8. Anu H, Dr. V Udayashankara, A Review on Feature Extraction in Arrhythmias of ECG Signals, PENSEE International Journal, Espaces Marx, ISSN: 0031-4773
9. Savitha AC, Dr. MN Jayaram, Survey and Study of Energy Efficient Routing Protocols for Mobile Adhoc Networks and Wireless Sensor Network, PENSEE International Journal, Espaces Marx, ISSN: 0031-4773
10. Veerabhadrappe S. T, Puranik M. Shivakumaraswamy, Suguna G. Chickaramanna, Venkatesha M. Iyengar, Anuroop P. Das, Abhyudaya Sharma, "Prototype Development of Continuous Remote Monitoring of ICU Patients at Home", Instrumentation Measure Métrologie, April 2021 Vol 20(2), pp 79-84.

Conference Publications :2021

1. Suguna G C, Veerabhadrappe S T, Tejas A, Vaishnavi P, Exploratory Data Analysis for Covid International Conference on Distributed Computing and Optimization Techniques, 2021, submitted, Springer
2. Sangeetha K N, Usha B.A, Mr. Thrivikram, Anirudh R S Ishaan Gonnagar, Security Enhancement in Image Steganography using Generative Adversarial Networks, Fifth International Conference on Computing Methodologies and Communication (ICCMC 2021) 2021, 978-0-7381-1203-9, IEEE Xplore
3. Manohar B S, Spandana S, Dr. Satish shet, Dr P M Shivakumaraswamy, Gayana Jain, Chinmayee V Bhat, Smart Battery Management System for Electric Vehicles, International Virtual Conference on Advances in Computing & Information Technology, 2021, Rogers Media Publishing
4. Manohar B S, Spandana S, Suhas Gowda, Santhosh Bathi, Pruthviraj, Varun SP, Analysis of Distribution Transformer Physiological and Electrical Fault Detection - A Smart Grid Application. International Virtual Conference on

5. Dr. B. G. Shivaleelavathi, Dr. Veeramma Yatnalli, A Review on Remote Health Monitoring Sensors and Their Filtering Techniques, part of special issue Part of special issue: International Conference on Computing System and its Applications (ICCSA- 2021), Global Transitions Proceedings Volume 2, Issue 2, November 2021, Pages 392-401, DOI: <https://doi.org/10.1016/j.gltp.2021.08.022>.
6. Ms. Gunasagari G. S, Dr. Poornima N, Abhijna Yaji , Achuth M, Anisha Maria Dsilva, Chethana S R Review on Text and Speech Conversion Techniques based on Hand Gesture, 5th International Conference on Intelligent Computing and Control Systems (ICICCS-2021), DOI: 10.1109/ICICCS51141.2021.9432277.
7. Dr. PM Shivakumaraswamy, Mrs. Gouri Katageri, Shruthi K, Sneha Datta H, Sukruthi A, Vaishnavi Srikanth, A Study on Face, Expression, Object and Character Recognition to Implement An Aid for the Visually Impaired, Proceedings of the International Conference on IoT Based Control Networks & Intelligent Systems - ICICNIS 2021, DOI: <http://dx.doi.org/10.2139/ssrn.3882625>.
8. Mrs. Gouri Katageri, Dr. PM Shivakumaraswamy, A Novel Model of SAR Image Edge Enhancement and Despeckling, International Conference on Forensics, Analytics, Big Data, Security (FABS-2021), DOI: 10.1109/FABS52071.2021.9702546, IEEE Xplore.
9. Mrs. Gouri Katageri, Dr. PM Shivakumaraswamy, Bharath N S, Dilip Kumar M V, Hrushikesh K N, Manasi S, Remote data collection and analysis of Smart Meter Data in isolated area using Android App, 4th National Conference on Advanced and Recent Trends in Electronics and Communication Engineering (NCAREC 2021), 9TH JULY 2021.
10. Vinay KM, Lalita Bhusal, Shweta kumari, Kemparaju N, Ms. Gunasagari G S Stock Market Prediction Using Machine Learning, National Conference on Engineering Innovations in Emerging Technologies In association with

11. Mrs. Spandana Shashikumar, Mr. Manohar B S, Multifactor Authentication for Smart Grid Cyber Security, Computer Communication, Networking and IoT. Lecture Notes in Networks and Systems, vol 197. Springer, Singapore. DOI: https://doi.org/10.1007/978-981-16-0980-0_52.
12. Dr. Mallikarjunaswamy S, Dr. Siddesh G K, A Novel Architecture for Cluster Based False Data Injection Attack Detection and Location Identification in Smart Grid, Advances in Thermofluids and Renewable Energy. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-3497-0_48.
13. Dr. Mallikarjunaswamy S, Implementation of an Effective Hybrid Partial Transmit Sequence Model for Peak to Average Power Ratio in MIMO OFDM System, Lecture Notes in Electrical Engineering, vol 783. Springer, Singapore. DOI: https://doi.org/10.1007/978-981-16-3690-5_129.
14. Mrs. Sangeetha K N, Image Steganography using Hybrid Soft Computing Techniques—A Survey, Third International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV-2021), DOI: 10.1109/ICICV50876.2021.9388393, IEEE Xplore.
15. Dr. Mallikarjunaswamy S, Dr. Siddesh G K, A Novel Architecture for Cluster Based False Data Injection Attack Detection and Location Identification in Smart Grid, Advances in Thermofluids and Renewable Energy. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-3497-0_48.

Journal Publications: 2020

1. B.G Shivaleelavathi, Ambily Babu, Veeramma Yatnalli, Enhanced Power Added Efficiency For RF Power Amplifiers In Mobile Communication, International Journal Of Grid And Distributed Computing, Science & Engineering Research Support Society, V,24/08/2020, 2005-4262 IJGDC

2. B. G. Shivaleelavathi, Chinmayi, Veeramma Yatnalli, Review on Multi Level Inverter Topologies and Control Strategies For Solar Power Conversion, Emitter International Journal Of Engineering Technology, Politeknik Elektronika Negeri Surabaya, Indonesia, 12/1/2020, Doi:10.24003/Emitter.V7i2.500, <http://Emitter.Pens.Ac.Id>
3. Rejeesh M R & Thejaswini P, MOTF: Multi-Objective Optimal Trilateral Filtering Based Partial Moving Frame Algorithm for Image Denoising, Multimedia Tools and Applications, Springer, 3rd August 2020 <https://doi.org/10.1007/S11042-020-09234-5>
4. R J Kavitha, Aravinda H S, A Novel Characteristic Mechanism for Different Microstrip Patch Antenna (MPA), International Journal of Advanced Research In Engineering And Technology (IJARET), Iaeme, Volume 11, Issue 11, November 2020, Pp. 691-699, DOI: 10.34218/IJARET.11.11.2020.066
5. Anuradha M G, Basavaraj. L, High Speed and Low Power Implementation Of K-Means Clustering Algorithm for Image Analysis, High Technology Letters, Science Press, <https://doi.org/10.37896/HTL26.11/2050>
6. Dr. B. G. Shivaleelavathi, Chinmayi, Veeramma Yatnalli, "Review on Multi Level Inverter Topologies and Control", International Journal of Engineering Technology, 2020, 2443-1168.
7. Dr. B. G. Shivaleelavathi, "Strategies for Solar Power Conversion", Engineering Technology & Applied Science Research, WOS Indexed, 2020, 22414487 / 17928036.
8. Dr. Aravinda H S, Euler-Lagrange "Model Development for A Stationary Dynamical Robotic System–Scara", International Journal Of Grid And Distributed Computing, 2020
9. Dr. Aravinda H S, "CL-SA-OFDM: Cross-Layer and Smart Antenna Based OFDM System Performance Enhancement",

10. Dr. Siddesh G K, "Simulation of PUE Attack Detection Using Transmitter Locations And Modulation Techniques In CRNS", International Journal Of Advanced Science And Technology, 2020, 2320-2334.
11. Dr. Aravinda H S, "An Efficient Mechanism to Improve the Complexity & System Performance In OFDM Using SBSA", International Journal Of Engg And Advanced Technology, 2020, 2194-53572.
12. Dr. Siddesh GK, "Detection of The Primary User Emulation (PUE) Attacks Utilizing Various Spectrum Sensing Techniques in Cognitive Radio Networks", International Journal of Grid and Distributed Computing, 2020, 2005-4262.
13. Mr. H N Mahendra, "Evolution of real-time onboard processing and classification of remotely sensed data", Indian Journal of Science and Technology, 2020, 0974-5645.
14. Mrs. Anuradha M, "Object Detection for Relative Positioning", International Research Journal of Engineering and Technology (IRJET), 2020, 2395-0056.
15. Mrs. Shubha B, "Smart Accident Prevention and Alerting System for Automobiles", International Journal of Research and Technology (IJRT), 2020, 2321-7510.
16. Mrs. Sangeetha K N, "Data Protection System using Audio Steganography for Secure Transmission", Seybold Report, 2020, 1533-9211.
17. Dr. Siddesh G.K, "System capacity evaluation for mobility management in LTE-advanced D2D networks", Indian Journal of Science and Technology, 2020; 13(20):1965-1976, 2020. <https://doi.org/10.17485/IJST/v13i20.469>.
18. Dr. Siddesh G.K, "Modelling Based Approach for The Primary User Emulation Attack Using Location, Feature Detection Technique & Power Estimation Methods in Cognitive Radio Networks", International Journal of Future Generation Communication and Networking, 2020, Vol. 13, No. 1, (2020), pp.1036-1054, 2233-7857 IJFGCN.
19. Dr. P M Shivakumaraswamy, S.T. Veerabhadrappe, Priyanka D, Srinidhi S K,

Sonia K, Anika Anjani Gowda," Non – Invasive Hemoglobin Measurement", International Journal of Recent Technology and Engineering (IJRTE) 2020, 2277-3878.

20. Dr. MallikarjunSwamy S," Design of Fuzzy Logic Controlled Hybrid Model for the Control of Voltage and Frequency in Microgrid", Indian Journal of Science and Technology, 2020,0974-6846 / 0974-5645
21. Dr. MallikarjunSwamy S, "A Comprehensive Review of Blind Deconvolution Techniques for Image Deblurring", Traitement du Signal, 2020, 0765-0019 / 1958-5608, 0765-0019 / 1958-5608.
22. Dr MallikarjunSwamy S," Design and implementation of reconfigurable DCT based adaptive PST techniques in OFDM communication system using interleaver encoder", Indian Journal of Science and Technology, 2020, 0974-6846 / 0974-5645
23. Dr. MallikarjunSwamy S," Hybrid Predictive Reconfigurable Multi-Path Routing Algorithm to Enhance the Network Robustness and Lifetime Optimization in Wireless Sensor Networks", International Journal of Grid and Distributed Computing, 2020, 2005-4262 / 2207-6379.
24. Dr. MallikarjunSwamy S," Evolution of real-time onboard processing and classification of remotely sensed data", Indian Journal of Science and Technology, 2020, 0974-6846 / 0974-5645.
25. Dr MallikarjunSwamy S," Implementation of an effective hybrid model for islanded microgrid energy management", Indian Journal of Science and Technology, 2020, 0974-6846 / 0974-5645
26. Mrs. Suguna G C," Eye Blink Detection System for Paralyzed Patients", International Journal of Recent Technology and Engineering (IJRTE), 2020, 2397-0056.
27. Suguna G C, Veerabhadrappe S T , "Denoising wrist pulse signals using variance thresholding technique" Indian Journal of Science and Technology. 2020 Nov 23;13 (41):4275-86.

28. Bhat M W, Veerabhadrapa S T, Bhushan H, Shrivastava K, Sahoo AK. Secure Online Medicine Delivery System. Review of Computer Engineering Studies, 2020 Sep;7(3):74-78.
29. Dr. S T Veerabhadrapa, Anoop Lal Vyas, "Analysis and Classification of Three Trimesters During Normal Pregnancy Using Bispectrum", IETE Journal of Research, Taylor & Francis, 2020, 1725658.
30. Adarsh, Adarsh, B Bhagavantu, K Nagavishnu, Dr. S. T. Veerabhadrapa, "Implementation of Non-Invasive Blood Glucose Monitoring System" International Research Journal of Engineering and Technology (IRJET) June 2020

Conference Publications :2020

1. B. G. Shivaleelavathi, Veeramma Yatnalli, Saroja S Bhusare, Madhan Kumar K, Amith T. G, Smart Health Care and Tracking System Based on Internet of Things, National Conference on Bioengineering, Biotechnology and Medical Engineering Dept., NIT, Rourkela, India.2020, Abstract-book-Bioengineering-2020, BE118, 10th-11th December 2020, 11/12/2020
2. Veeramma Yatnalli, B G Shivaleelavathi, Saroja Bhusare, Wheel-chair Control Using Brain Computer Interface, National Conference on Bioengineering, Biotechnology and Medical Engineering Dept., NIT, Rourkela, India.2020--NIT, Rourkela, BE118, 10th-11th December,2020, 11/12/2020
3. Rithik Bharshith, Stealth: The future of fighter aircraft ", 32nd World Conference on Applied Science, Engineering and Technology, 2020--32nd WCASET-2020
4. Mahendra, Siddesh.G.K. and Mallikarjunaswamy S, Application of Remote Sensing in Development of Renewable Energy, International Conference on Recent Advances on Renewable Energy (RARE-2020)7th – 9th February 2020 Yet to receive, Springer
5. MallikarjunaswamyS, Siddesh.G.K. and Mallikarjunaswamy, A Novel Architecture for Cluster Based False Data Injection Attack Detection and

Location Identification in Smart Grid, 1st International Conference on Recent Trends in Developments of Thermo-fluids and Renewable Energy (TFRE-2020)44136, Yet to receive, Springer

6. Usha S.M, Mahesh H.B, Optimization and Performance Analysis of QPSK Modulator Advances in Electrical and Computer Technologies, SVS Educational Institutions and Diligentec, Chennai, India, 2020https://link.springer.com/chapter/10.1007/978-981-15-5558-9_60https://link.springer.com/chapter/10.1007/978-981-15-5558-9_60 Springer
_Part of the Lecture Notes in Electrical Engineering book series (LNEE, volume 672), Springer
7. Usha S.M, Mahesh H.B, Low Power and Area Optimized Architecture for OQPSK Modulator, International Conference on Wireless Communications Signal Processing and Networking (WiSPNET), SSN College of Engineering, Chennai, India, IEEE Xplore: 12 March 2020978-1-5386-9279-0/19/\$31.0010.1109/WiSPNET45539.2019.9032723, IEEE Xplore
8. Saroja S Bhusare, Medara Sahana, Yarraguntla Sarala, Anushka Bisht, Pavitra Bhovi, Review of IoT based Smart Village for Rural Development, 1st National Conference on Emerging Trends in Engineering Science for Future Technology, Tumkuru (Selected as Best Paper)2020, ISSN: 2278-0181, International Journal of Research and Technology
9. Balachandra P, Mallikarjunaswamy S, Domination and Equitability Connection End of Graphs Conference on Data Science, Machine Learning and Applications, Lecture Notes in Electrical Engineering. (Springer)43952, Yet to receive, Springer
10. Mahendra H N, Mallikarjunaswamy S, Design of Low Power High Speed Area Efficient Wallace Tree Multiplier using Ripple Carry, International Conference on Intelligent Control And Computation For Smart Energy And Mechatronic Systems, JSS Academy of Technical Education, Noida, 25th – 26th SEP, 2020. Yet to receive, Springer

11. Ananya K S, Bhumika L Raju, Padmini Dhruvaraj, Shuchitha A, Suguna G C, VPK Analyser, International Journal of Engineering Research & Technology, 20202278-0181 IJERT
12. Anuradha M G, Basavaraj L, High speed low power implementation of K-Means Clustering algorithm for Image analysis, International Conference on Recent trends in science and technology (ICRTST-2020) organized by ATME college of Engineering, Mysuru 17th and 18th June 2020
13. Sunita Shirahatti. Ahana Shetty, Meghana S, Deepali N M, Madhushree, Detection of Coronary artery disease using logistic regression, 10th International Conference on Recent Engineering & Technology, May 2020, Organization of Science and Innovative Engineering and Technology , India, May 21st 2020
14. Sunita Shirahatti., Dr. Rajashekhar Shettar, Design and Implementation of Ripple Carry Adder using Pears and TSG gates, International Conference (Online) (IC RTEETIMP-2020) on Recent Trends in Electrical, Electronics, Telecommunications, Instrumentation, Medical Electronics Engg. & Physics 7-9th December 2020
15. Mrs. Neela A G, Rakshitha Kantharaj, Pooja Kanase, Sushmita P Rane, Sahana K, Smart hybrid power switching system, NCPOC-2020, SIT, Bangalore, 2020, IJ Publications
16. Spandana Shashikumar, Manohar B S, Multifactor authentication for smart grid cyber security, International Conference on Intelligent computing and communication, Dayananda Sagar university, Bangalore, 18th - 20th Sept, 2020, Springer

Journal Publications: 2019

1. Dr. S T Veerabhadrapa ,” Analysis and Classification of Three Trimesters During Normal Pregnancy Using Bispectrum”, IETE Journal of Research, Taylor & Francis, 2019, 1725658.
2. Dr. B G Shivaleelavathi,” Simulation of Seven and Nine Level Chbmli With Elliptical Phase Disposition PWM Technique”, Journal of Power and Energy Engineering Scientific Research, 2019, 2327-5901.

3. Dr. Usha S M," Least Square Channel Estimation for Image Transmission with OFDM Over Fading Channel", International Journal of Computer Networks & Communications (IJCNC) Academy and Industry Research, 2019, 0974-9322.
4. Dr. Aravinda H S," Real Time Solution for Prosognopasia", International Journal of Engg and Advanced Technology, 2019, 2249-8958.
5. Dr. Siddesh G K," Distance Based Power Control for D2D Communication In LTE-Advanced Networks", International Journal of Communication Networks and Information Security, 2019, 20760930.
6. Dr. S T Veerabhadrapa , " A Review of Wrist Pulse Analysis Biomedical Research ", International Journal of Medical Sciences, 2019, 538-545.
7. Mrs. Neela A G," A Breast Cancer Detection Using Image Processing & Machine Learning Techniques", International Journal of Recent Technology and Engineering (IJRTE) , 2019, 2277-3878.
8. Mrs. Anuradha M G , " FPGA Implementation of Mean Shift Algorithm for Real Time Image Segmentation", International Journal of Innovative Technology and Exploring Engineering (IJITEE), 2019, 2278–3075.
9. Dr. Thejaswini P, "Detection and Classification of Tumour in Brain MRI ", International Journal of Engineering and Manufacturing (IJEM) , 2019, 10.5815/ijem.2019.01.02.
10. Dr. Thejaswini P, "Novel Adaptive Auto-Correction Technique for Enhanced Fingerprint Recognition", International Journal Of Advanced Computer Science And Applications , 2019.
11. Mrs. Manohar B S," ANFIS based hybrid solar and wave generator for distribution generation to grid connection", International Journal of Power Electronics and Drive System (IJPEDS), 2019, ISSN: 2088-8694, DOI: 10.11591/ijpeds. v10.i1. pp479-485.
12. Dr MallikarjunSwamy S, "Design of High-Speed Reconfigurable Deployment Intelligent Genetic Algorithm in Maximum Coverage Wireless Sensor Network", IEEE Conference, 2019 .
13. Dr MallikarjunSwamy S," Performance analysis of different classifier for remote sensing application", International Journal of Engineering and Advanced Technology , 2019.
14. Mrs. Neela A G, "Implementation of Support Vector Machine for Identification of Skin Cancer", International Journal of Engineering and Manufacturing (IJEM), Vol.9, No.6, pp.42-52, 2019,20192306-5982 (Online)/2305-3631 (Print).

15. Mahendra H N, Dr. MallikarjunSwamy," Performance Analysis of Different Classifier for Remote Sensing Applications", International Journal of Engineering And Advanced Technology (IJEAT), 2019, 2249 – 8958.
16. Mrs. Ashwini Dasare," CBIR System for Lung Nodule Retrieval In CT", International Journal of Innovative Technology and Exploring Engineering (IJITEE), 2019, 2278-3075.
17. Mrs. Anuradha.M.G," FPGA Implementation Of Mean Shift Algorithm For Real Time Image Segmentation", International Journal Of Innovative And Exploring Engineering Blue Eyes Intelligence Engineering & Sciences, Volume No. 2019, 3298- 3304.
18. Dr. B G Shivaleelavathi," Cost Effective Power Quality Improvement Technique by Utilization of Solar Power For Non-Linear Loads", International Journal Of Recent Technology And Engineering (IJRTE), India. Blue Eyes Intelligence Engineering & Sciences Publication (BEIESP) Bhopal M.P.), 2019, 2277-3878.
19. Dr. B G Shivaleelavathi," Design and Development of an Intelligent", International Journal of Recent Technology and Engineering (IJRTE), India. Blue Eyes Intelligence Engineering & Sciences Publication (BEIESP) Bhopal M.P.), 2019, 2277-3878.
20. Dr. Mrityunjaya V Latte," Fully Automated Segmentation of Lung Parenchyma Using Break and Repair Strategy", Journal of Intelligent Systems, 2019,2017-0020.
21. Dr. Mrityunjaya V Latte," A Novel Approach to Extract Exact Liver Image Boundary from Abdominal CT Scan Using Neutrosophic Set and Fast Marching Method ", Journal of Intelligent Systems, 2019, 2017-0028.
22. Dr. B G Shivaleelavathi," Cost Effective Power Quality Improvement Technique by Utilization of Solar Power for Non-Linear Loads", International Journal of Recent Technology and Engineering (IJRTE), 2019, 2277-3878.
23. Dr. P M Shivakumaraswamy," Deviation Controlled Soft Thresholding Technique in Curvelet Domain to Suppress Speckle Noise in SAR Images", Journal of Adv Research In Dynamical & Control Systems, 2019, 551-559.
24. Dr. Siddesh G K," Multi-Objective Optimization Assisted Network Condition Aware QOS-Routing Protocol for Manets: MNCQM ", International Journal of Computer Networks and Communications, 2019, 09752293, 09749322.

25. Dr. Usha S M, "A Novel Approach to Optimize Area and Power Parameters Of 64QAM For Radio Communication", Journal of Advanced Research in Dynamical & Control Systems, 2019, 1866-1873.
26. Dr. Parameshappa G, "Efficient Nonuniform Digital FIR Filter Bank Based on Masking Approach for Digital Hearing Aid", Springer, 2019.
27. Mr. Ravikumar K P, "Neural Network Based Steganography for Information Hiding", International Journal of Research Technology and Engineering (IJRTE), 2019, 2277-3878.
28. Dr. Sathish Shet K, "Novel High Speed Reconfigurable FPGA Architectures for EMD-Based Image Steganography", Multimedia Tools and Applications, 2019, 18309-18338.
29. Dr. Aravinda H S, "An Efficient Mechanism to Improve the Complexity & System Performance In OFDM Using SSA", Springer Series Journal Advances In Intelligent Systems And Computing, 2019, 978-3-030-19813-8-7.
30. Dr. Aravinda H S, "Adaptive Resource Allocation Using Various Smart Antenna Techniques to Maintain Better System Performance", International Journal Of Engg And Advanced Technology, 2019, 2249-8958.
31. Dr. Aravinda H S, "Real Time Solution for Prosopagnosia", International Journal of Engg and Advanced Technology, 2019, 2249-8958.
32. Dr. Aravinda H S, "An efficient mechanism to improve the complexity & system performance in OFDM using SBSA", International Journal of Advances in Intelligent Systems and Computing book series, 2019, 510-2019.
33. Dr. Aravinda H S, "Survey on Parallelization and coding techniques for compression capability of HEVC", International Journal of Management, Technology and Engineering, 2019, 2249-7455.
34. Mrs. Shubha B, "Secure Voting System using Aadhar and Biometrics", International Research Journal of Engineering and Technology (IRJET), 2019, 2395-0056.
35. Dr. Aravinda H S, "A survey on fault tolerance for hearing impairment using signal processing technique", International journal of research and analytical reviews, (IJRAR), 2019, 2348-1269.

Conference Publications:2019

1. Sangetha K N, Blind Personal Assistant Application for Android IJRASET ISSN:2321-9651, Volume 7, Issue,1, January 2019
2. Dr. H S Aravind, Adaptive Resource Allocation using various smart Antenna Technique to maintain better System Performance, International Journal of Engineering and Advanced technology, ISSN:2249-8958, Volume 8, Issue 5S, May, 2019
3. Dr. Usha S M, Eb / No vs. BER Analysis of PAM and QAM over AWGN Rayleigh and Rician Channels for Mobile, International Journal of Research in Electronics and Computer engineering Vol – 7, Issue -2, ISSN:2393 -9028, June 2019,
4. Dr. Siddesh G K, Interference Mitigation and Mobility Management for D2D Communication in LTE-A Networks, Modern Education and Computer Science, I.J. Wireless and Micro wave Technologies March 2019, Volume-2, 20-21
5. Dr. Thejashwini P, Detection and Classification of Tumor in Brain MRI, I.J. Information Technology and Computer Science Modern Education and Computer Science, January 2019, , Volume-1 11-20

Journal Publications: 2018

1. Dr. Veeramma Yatnalli, Joint Source-Channel Coding by Inpainting And Rs Code, Journal of Advanced Research In Dynamical And Control Systems, 2018, 1663-1678
2. Dr. Poornima N, Design Of Energy Efficient High-Valency Jackson Flagged Adder Architectures, International Journal Of Pure And Applied Mathematics, 2018, 1314-3395
3. Dr Saroja S Bhusare, High Accuracy Fixed-Width Radix-8 Booth Multiplier Using Adaptive Conditional-Probability Estimator, International Journal of Pure and Applied Mathematics, 2018, 1903-1918
4. Dr Mrityunjaya V Latte, Universal Liver Extraction Algorithm: An Improved Chan–Vese Model, Journal of Intelligent Systems De Grytur, 2018

5. Dr. Poornima, Design and Implementation of 32-Bit High Valency Jackson Adders, Journal of circuit systems and computers, 2018, 1793-6454

Conference Publications: 2018

1. Dr. Siddesh G K, QoS Oriented Cross-synch Routing Protocol for Event Driven, Mission-critical Communication Over MANET: Q-CSRPM, International Journal of Computer Network and Information Security, MECS Publishers, Volume 11, Issue 10, Pages 18-30 Publication date 2018/11/8
2. Dr. Siddesh G k, Autonomous Ship Navigation System, International Journal of Soft Computing and Engineering (IJSCE), Volume – 8, Issue – 3, Publication date September 2018, ISSN: 2231-2307
3. Dr. Siddesh G K, A Brief Survey on QoS Based Routing Protocols for Real Time Multimedia Transmission in Wireless Systems, Advances in Wireless and Mobile Communications, Research India Publications, ISSN: 0973-6972, Volume 11, Number 1, 2018, PP. 31-41
4. Dr. B G Shivaleelavathi, Comparative Analysis of Envelope Tracking RF Power Supplies Working in High Frequency, 3rd International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECOT-2018), 14th and 15th December 2018, GSSIETW, Mysuru, Pg. No 1644-1649
5. Dr. Usha S M, Low Power and Area Optimized Architectures for BPSK Modulator, I.J. Information Technology and Computer Science, 2018, MECS Publishers, Publication date 2018/12/5, 12, 33-40, ISSN: 2074-9007, (Print), ISSN: 2074-9015 (Online), Volume 10, Issue 12, Pages 33-40, DOI: 10.5815/ijitcs.2018.12.05
6. Kavitha M, Switched Capacitor Implementation of first order Sigma delta Modulator, 3rd International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques

(ICEECCOT-2018), 14th and 15th December 2018, GSSIETW, Mysuru

7. Sunita Shirahatti, Exploiting RNS and Reversible Logic to build MAC unit for power efficient Filtering in DSP, 3rd International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2018), 14th and 15th December 2018, GSSIETW, Mysuru
8. P M Shivakumarswamy Human Voice sample Separation using Independent Component Analysis, 4th International Conference for Convergence in Technology(I2CT), 2018
9. P M Shivakumarswamy Identification of Disease Casing Protein cell using Efficient Segmentation Method on 2D Gel Electrophoresis Images, 2018
10. Sangetha K N, Cognitive Based Data Classification in Image Steganography for Secures Data Compression, IJSRD, Volume-6, Issue9, ISSN: 2321-0613, Nov, 2018

Journal Publications: 2017

1. Dr.Aravinda H S, An Analytical Approach for Design of Microstrip Patch (MsP),International Journal of Electrical and Computer Engineering (IJECE),2017,2088-8708
2. Dr. Mrityunjaya V Latte, Rule Based Approach to Determine Nutrient Deficiency in Paddy Leaf Images., International Journal Of Agricultural Technology,2017,227-245
3. Dr. Mrityunjaya V Latte, Modified and Optimized Method for Segmenting Pulmonary Parenchyma in Ct Lung Images, Based On Fractional Calculus And Natural Selection, Journal Of Intelligent Systems, 2017,

4. Dr. Mrityunjaya V Latte, Combined Endeavor of Neutrosophic Set and Chan-Vese Model to Extract Accurate Liver Image From Ct Scan, Computer Methods And Programs In Biomedicine,2017,151, 101-109
5. Pramoda B R, Shubha B, Dr S. T. Veerabhadrappe, SCS-MCSA- Based Architecture for Montgomery Modular Multiplication, International Research Journal of Engineering and Technology,2017,2395-0056
6. Shradda Awate, Dr S. T. Veerabhadrappe, Implementation of an Effective Self-Timed Multiplier for Single Precision Floating Values with Carry-Look Ahead Adder, International Research Journal of Engineering and Technology,2017,2395-0056
7. Dr P.M. Shivakumara swamy, Enhancement of Sar Images Using Fuzzy Shrinkage Technique, Sadhana,2017,1505–1512
8. Dr. Saroja S Bhusare, Low-Power High-Accuracy Fixed-Width Radix-8 Booth Multiplier Using Probabilistic Estimation Technique, Journal Of Circuits, Systems And Computers,2017,1750079 -1750090
9. Dr Thejaswini P, Optimization Based Neural Network for Fingerprint Recognition in Real Environment, International Journal Of Control Theory And Applications,2017,0974-5572
10. Dr. Mrityunjaya V Latte, Lung Parenchyma Segmentation: Fully Automated and Accurate Approach for Thoracic Ct Scan Images, IETE Journal of Research,2017,
11. Dr. Aravinda H S, Reviewing the Effectiveness of Contribution of Microstrip Antenna In The Communication System, Open Journal Of Antennas And Propagation,2017,
12. Dr. Aravinda H S, Review of Research Techniques to Improve System Performance of Smart Antenna, Open Journal of Antennas And Propagation,2019,83-98
13. Dr. Aravinda H S, Real Time Driver Identity and Alertness Monitoring, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering,2017,2278 – 8875

14. Dr. Aravinda H S, An Analytical Approach for Design of Microstrip Patch (Msp), International Journal of Electrical and Computer Engineering (IJECE), 2017, 2088-8708
15. Dr. B. G. Shivaleelavathi, Design and Implementation of Pipelined 8-bit RISC Processor on FPGA using Verilog HDL, International Research Journal of Engineering and Technology, 2017, 2395-0072
16. Dr. Aravinda H S, Reviewing the effectiveness of contribution of microstrip antenna in the communication system, open journal of antennas and propagation, 2017, 2329-8421
17. Dr. Aravinda H S, Design High gain folded cas code operational amplifier using 180nm technology, open journal of antennas and propagation, 2017, 2329-8421
18. Dr. Aravinda H S, Review of Research Techniques to Improve System Performance of Smart Antenna, International Research Journal of Engineering and Technology (IRJET), 2017, 2249-8958
19. Dr. Aravinda H S, Real time driver identity and alertness monitoring S, International Journal of Engg and Advanced Technology, 2017, 2249-8958
20. Dr Siddesh GK, Energy Efficient LTE-Advanced Device to Device Communication, International Journal of Innovative Research in Science, Engineering and Technology, 2017, 2319-8753
21. Dr Siddesh GK, Power Control in LTE-Advanced Networks for Device-to-Device Communication, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, 2017, 2278-8875
22. Dr Siddesh GK, DOMOTICS Using IOT, International Journal of Computer Science and Engineering, 2017, 2347-2693
23. Dr Siddesh GK, An Efficient VLSI Architecture for AES and FPGA Implementation, Intl' Research Journal of Engg and Tech (IRJET), 2017, 2395-0072

24. Dr Saroja, Low-Power High-Accuracy Fixed-Width Radix-8 Booth Multiplier Using Probabilistic Estimation Technique, Journal of circuit systems and computers, 2017, 1793-6454

Conference Publications: 2017

1. Dr. B G Shivaleelavathi., A novel implementation of digital control strategy for multilevel inverters using FPGA Wavect controller, Control and Modeling for Power Electronics (COMPEL), 2017, IEEE Xplore: 21 August 2017,
2. Dr. Usha S.M, Low Power 8PSK Modulator using Cadence, International Conference on Recent Advances in Electronics and Communication Technology 2017, (ICRAECT 2017), ISBN-13: 978-1- 5090-6701- 5,,
3. Mrs. Suguna G. C, Automatic Detection for Brain Tumor, 2nd International Conference on Inventive Computation Technologies (ICICT 2017), 978-1-5090-6697,
4. Dr Thejaswini. P, Enhanced Fingerprint Recognition by Reference Auto-correction with FCM-CBIR strategy, 2nd International Conference on Inventive Computation Technologies (ICICT 2017), 978-1-5090-6698,
5. Bhavya K. V, Dr. Veerabhadrappe S.T, Design and Implementation of Dual Port SRAM, International Journal of Information Technology and Computer Engineering-ISSN: 2455-529,,
6. Mrs. Anu, Accident Monitoring and Reporting System in Motorcycles. Conf. on Signal, Image Processing Communication & Automation, ICSIPCA, Grenze Scientific Society,
7. Dr. Satish Shet. K, An Overview of Steganography: "Hiding in Plain Sight, 10.4018/978-1-5225-1022-2.ch006, IGI GLOBAL, Applied Video Processing in Surveillance and monitoring system
8. Mrs. Sangeeta K, International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS), 16525765, IEEE,

Security enhancement in image steganography using neural networks and visual cryptography

9. Dr Usha S.M, Implementation of Digital Modulator Using Digital Multiplier for Wireless Applications in Verilog and Cadence, Procedia Technology, ISSN:2212-0173,
10. Dr. Mrityunjay V. Latte, Sushila Shidnal, Multiple nutrient deficiency detection in paddy leaf images using color and pattern analysis, International Conference on Communication and Signal Processing (ICCSP),, 1247-1250,,
11. Dr. M V Latte, Sushila Mrs. Shidnal, Behavior of Certain Wavelets in Classification of Orthopaedic Images of Different Modalities, International Conference on Communication and Signal Processing, 1109/ICCSP.2016. 7754352
12. Dr Saroja Bhusare, Architectural based congestion management for Network on Chip implemented on FPGA, Applied and Theoretical Computing and Communication Technology (iCATccT), IEEE, 16839625,
13. Dr Usha S.M, Bit Error Rate Analysis Using QAM Modulation for Satellite Communication Link, Procedia Technology, ISSN:2212-0173,
14. Dr Aravinda H. S, Fault Tolerant Techniques for FPGAs: A review, International Conference on Signal, Image Processing, Communication and Automation, ICSIPCA-2017, Pp 1051-1054
15. Dr Aravinda H S, "Survey of Motion Actuators for Micro/Nano Positioning Systems", International Conference on Signal, Image Processing, Communication and Automation, ICSIPCA-2017, Pp 1055-1060,
16. Dr. Aravinda H. S, "A survey on Coding Techniques and Intra Prediction Hardware Architecture for HEVC Video Coder Standard", International Conference on Signal, Image Processing, Communication and Automation, ICSIPCA-2017, Pp 926-932,
17. Dr. Aravinda H. S, "Filter Bank Realization of discrete Wavelet Transform based Multiband Dynamic Range Control for Audio", International Conference on

Signal, Image Processing, Communication and Automation, ICSIPCA-2017, Pp 529-535.

18. Dr. Aravinda H S, Design of evaluation board for image processing ASIC and VHDL implementation of FPGA interface, International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering (ICRIEECE)ICRIEECE, <https://doi.org/10.1109/ICRIEECE44171.2018.9008996>,
19. Dr. B. G. Shivaleelavathi, Helios Smart Grid Connected Inverter, International Conference on Signal, Image Processing, Communication and Automation, ICSIPCA-2017, <http://www.proceedings.com/38314.html>,
20. Dr. B. G. Shivaleelavathi, V/f Control of Three Phase Induction Motor using 7-Level Cascaded H-Bridge Inverter, International Conference on Signal, Image Processing, Communication and Automation, ICSIPCA-2017, <http://www.proceedings.com/38314.html>,
21. Dr. B. G. Shivaleelavathi, Residence Energy Power Regulation by Employing Wireless Smart Socket and IoT, International Conference on Signal, Image Processing, Communication and Automation, ICSIPCA-2017, <http://www.proceedings.com/38314.html>,

Journal Publications: 2016

1. Dr Saroja, Design of Pulsed latch Shift register, International Research Journal of Engineering and Technology (IRJET), 2016, 2395 -0056
2. Dr Tejaswini, Study and Analysis of Environmental Noise and Its Impact on Fingerprint Image, International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE), 2016, 2278 – 909X
3. Dr Thejaswini, Optimization based Neural Network for fingerprint recognition in Real Environment, International Journal of Control Theory and Applications, 2016, 0974-5572

4. Dr. Usha S.M, Bit Error Rate Analysis Using QAM Modulation for Satellite Communication Link, SCIENCE DIRECT, 2016, <https://doi.org/10.1016/j.protcy.2016.08.132>
5. Dr. Usha S.M, Implementation of Digital Modulator Using Digital Multiplier for Wireless Applications in Verilog and Cadence, SCIENCE DIRECT,2016, <https://doi.org/10.1016/j.protcy.2016.08.129>
6. Dr. Veeramma, Design of Pulsed Latch Shift Register, International Research Journal of Engineering and Technology (IRJET), 2016,2395 -0056
7. Savitha, Domestics using IOT, International Journal of Computer Science Engineering,2016,2319-7323
8. Sunita, A Qualitative analysis of various adaptive Routing Algorithms, International Research Journal of Engineering and Technology (IRJET), 2016, 2395 -0056
9. Dr. Aravinda H S, Design and ASIC Implementation of Modified Rijdael Cipher, International Research Journal of Engineering and Technology (IRJET), 2016, 2395-0056
- 10.Dr PM Shivakumarswamy, Enhancement of SAR images using curvelet with controlled shrinking technique, Remote sensing Journal,2016,
- 11.Dr Saroja, A Qualitative Analysis of Various Adaptive Routing Algorithms, IJRET, 2016, 2395 -0056
- 12.M Kavitha, A Design and performance analysis of a low-power first order sigma delta modulator, International Journal of Applied Engineering Research, 2016, 284-290

Conference Publications: 2016

1. Mrs. Thejaswini P, Study and Analysis of Environmental Noise and Its Impact on Fingerprint Image, International Journal of Advanced Research in Electronics and Communication Engineering(IJARECE), ISSN: 2278 –909X, Volume 5, Issue 8, August

2. Dr.Mrityunjay V. Latte, Multiple nutrient deficiency detection in paddy leaf images using color and pattern analysis, International Conference on Communication and Signal Processing, ICCSP 2016

Journal Publications:2015

1. Soumya B, Image Forgery Detection using Dyadic Framelets, Research Gate,2015,
2. B. G. Shivaleelavathi, SRAM Memory Layout Design in 180nm Technology, International Journal of Engineering Research & Technology (IJERT), 2015, 2278-0181
3. Dr. Poornima, Performance analysis of conventional and modified router design for NOC, International Journal of Electrical, Electronics and Data Communication, 2015, 2320-2084
4. Dr. P M Shivakumarswamy, Enhancement of Gaussian Noise Affected Images Using Modified Threshold Function in Curvelet Domain, AENSI Journal, 2015, 1995-0772
5. Dr.P M Shivakumarswamy, SAR image Enhancement Using Improved Soft Threshold Function in Curvelet Domain, International Journal of Applied Engineering Research,2015,0973-4562
6. Dr. P M Shivakumarswamy, Enhancement of SAR Images Using Modified Threshold Technique with Edge Preservation in Curvelet Domain, International Journal of Applied Engineering Research, 2015, 0973-4562
7. Dr.Satish Shet, Design and Development of New Reconfigurable Architectures for LSB/multi-bit image steganography system. Multimedia Tools and Applications, SPRINGER,2015,13197–13219

8. Dr.Satish Shet, Implementation of Image Steganography Technique Using X(X-OR)-Box mapping. International Journal of Advances in Electronics and Computer Science,2015,2393-2835
9. Dr. B. G. Shivaleelavathi, Design and Development of an Intelligent System for Pothole and Hump Identification on Roads, International Journal of Recent Technology and Engineering (IJRTE), India. Blue Eyes Intelligence Engineering & Sciences Publication (BEIESP) Bhopal M.P.), 2015, C5936.098319
- 10.B. G. Shivaleelavathi,DSP Based Converter-Inverter Control strategy for Single phase wind power generation System ,International Journal of Management and Applied Science, International Journal of Electrical, Electronics and Data Communication,,2015,2320-2084
- 11.Dr S T Veerabhadrapa, Changes in heart rate variability and pulse wave characteristics during normal pregnancy and postpartum, International Journal of Biomedical Engineering,2015,1752-6426
- 12.Dr. Usha S.M, BER Performance of Digital Modulation Schemes with and Without OFDM Model for AWGN, Rayleigh and Rician Channels, International journal of science and research,2015,330 - 335
- 13.Dr. Usha S.M, High Speed and Low Power QPSK Modulator Design using Verilog and Cadence, IJERD,2015,2348-4470
- 14.Dr. Usha S.M, Theoretical Survey on Low Power and High Throughput QPSK Modulator Designs, IJEEC,2015,978-2-642-24819-1
15. Dr. Veeramma Yatnalli, Joint source-channel coding by Inpainting and RS Code, JARDCS,2015,
- 16.Dr. Veeramma Yatnalli, Effect of Image Transmission Over Multipath Fading Channel and Reconstruction Using Inpainting, International Journal of Computer Applications,2015, (0975 – 8887)
- 17.Dr. Veeramma Yatnalli, Review of Inpainting Algorithms for Wireless Communication Application, Engineering, Technology & Applied Science Research,2015,5790-5795

18. Dr. Veeramma Yatnalli, Implementation of Golay Code in VLSI, Perspectives in Communication, Embedded-Systems and Signal-Processing (PiCES), 2015, 2566-932X
19. M Kavita, An 8-bit area optimized low power continuous time band pass sigma-delta ADC in 45nm CMOS, International Journal of Engineering Research, 2015, 155-159
20. Shubha B, BIST Technique for Delay measurements using signature registers, International Journal of Engineering Research, 2015, 155-159
21. Sheela S N, International Journal (IJIFR), "Iterative Triclass Thresholding and Canny Edge Detection for Image Segmentation", 2015,
22. Dr. Satish Shet, Image Steganography Using Histogram Requantization. International Journal of VLSI Design and communication Systems, Volume-3, (2015):265-270., International Journal of VLSI SYSTEMS, 2015, 2322-0929
23. Dr S T Veerabhadrappe, Anoop Lal Vyas, Sneha Anand, and Nagarajappa Das, Monitoring cardiovascular changes due to local anesthesia during and after tooth extraction using pulse wave analysis, Biomedical Signal Processing and Control, 2015,