GMR Institute of Technology (GMRIT)
Deemed to be University

List of Faculty Publications

Department of Electronics and Communication Engineering

GMR Institute of Technology (GMRIT) – Deemed to be University

Rajam, Andhra Pradesh–532127, India

Academic Year	National Conferences	National Journals	International Conferences	International Journals	Books/ Book Chapters	Total Publications	Consolidated Publication
2026	00	00	21	22	02	45	870
2025	00	00	35	48	10	93	825
2024	00	00	22	27	06	55	732
2023	00	00	07	12	07	26	677
2022-23	00	00	04	13	01	18	651
2021-22	00	00	16	43		59	633
2020-21	00	00	02	64		66	574
2019-20	00	00	02	68		70	508
2018-19	00	00	04	47		51	438
2017-18	01	00	18	21		40	387
2016-17	00	00	13	23		36	347
2015-16	06	01	21	34		62	311
2014-15	20	00	46	26		92	249
2013-14	05	00	03	19		27	157
2012-13	07	00	03	12		22	130
2011-12	00	00	20	09		29	108
2010-11	08	00	15	19		42	79
2009-10	06	00	02	01		09	35
2008-09	01	00	01	00		02	26
2007-08	01	00	06	00		07	24
2006-07	05	00	03	01		09	17
2005-06	05	00	03	00		08	08

2026:

National Conferences:

----------NIL----------

National Journals:

----------NIL----------

International Conferences:

1. Krishna, M.V.; Rakshith, G.; Kodipalli, A.; Rao, T.; Venkata Suman, J.V., "Accurate Prediction and Classification of Heart Failure Using Machine Learning Algorithms and Interpretation Using Explainable AI", Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, https://link.springer.com/chapter/10.1007/978-3-031-94283-9_27
2. Harshitha, J.; Kodipalli, A.; Rao, T.; Venkata Suman, J.V., "Transparency in Lung Cancer Prediction: Integrating Explainable AI Techniques with Machine Learning Models", Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, https://link.springer.com/chapter/10.1007/978-3-031-94283-9_26
3. Srujana, B.; Sunidhi, S.K.; Sanjana, N.; Kodipalli, A.; Rao, T.; Venkata Suman, J.V., "Airline Passenger Satisfaction Analysis Using Classifiers of Computation Models and Explainable AI", Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, https://link.springer.com/chapter/10.1007/978-3-031-94283-9_7
4. Harshini, J.P.; Raksha, K.; Kodipalli, A.; Rao, T.; Venkata Suman, J.V., "Deciphering Chronic Kidney Disease Diagnosis: A Comparative Exploration of Computational Approaches with LIME and SHAP Interpretation", Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, https://link.springer.com/chapter/10.1007/978-3-031-94283-9_31
5. Shreyashree, P.M.; Bhumika, A.; Kodipalli, A.; Rao, T.; Venkata Suman, J.V., "Electric Vehicle Charging Stations: A Comparative Study of Multiple Machine Learning Classifiers and Interpretation Using Explainable AI", Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, https://link.springer.com/chapter/10.1007/978-3-031-94283-9_28
6. Rao D.S.; Kumar A.P.; Rajasekhar Ch.; Prasad P.M.K.; Naidu G.B.S.R., "FAIR-AX: QoS-Aware Fair Resource Allocation Scheme for IEEE 802.11ax Networks", 7th International Conference on Mobile Computing and Sustainable Informatics, ICMCSI 2026. pp. 563-569. 7th -9th, January 2026, Purbanchal University, Nepal.
7. Suman J.V.; Velagaleti S.K.; Khusniddin R.; Ashirova A.; Sivakumar B.; Ramamohan P., "Low-Power Wireless Health Monitoring System for Smart Hospital Applications", Proceedings of 4th International Conference on Electronics and Renewable Systems, ICEARS 2026, 11th -13th, February, 2026, St. Mother Theresa Engineering College, Thoothukudi, Tamil Nadu, India. https://ieeexplore.ieee.org/document/11416740?denied=
8. Prasannalatha K.; Kumar G.S.; Vani A.; Jayamanmadharao M.; Suman J.V.; Tukhtaeva N., "Low-Power VLSI Architecture for Continuous Wearable Health Monitoring Applications", Proceedings of 3rd International Conference on Machine Learning and Autonomous Systems,

ICMLAS 2026, 11–13 March 2026, Bangkok, Thailand, https://ieeexplore.ieee.org/abstract/document/11483690

9. Suman J.V.; Nagabushanam K.; Prasad K.P.; Kumar V.A.; Ananthalakshmi M.; Ismoilov M. "Low-Area and Low-Power VLSI Design for Remote Patient Health Monitoring Systems", Proceedings of the 2026 International Conference on AI-Driven Smart Systems and Ubiquitous Computing, ICAUC 2026, 19–21 January 2026, Pathum Thani, Thailand, https://ieeexplore.ieee.org/abstract/document/11441234
10. Sreelakshmi K., "Efficient Equivalent Circuit Modeling of Multiband Antenna for 5G and IoT Applications", Lecture Notes in Networks and Systems, https://link.springer.com/chapter/10.1007/978-981-95-3156-1_24
11. Sreelakshmi K.; Dhage P.U.; Lalitha M.; Raj S.R.A.; Babu K.A.; Manjunath T.C., "Secure VLSI System Design Through Verilog-Based Simulation and RTL Realization of SPECK Algorithm for Enhanced Cryptographic Reliability", Communications in Computer and Information Science, https://doi.org/10.1007/978-3-032-17846-6_21
12. Naidu G.B.S.R.; Reddy Y.V.; Kurukuntla S.R.; Divyasri Y.; Kodur S.; Mamadieva Z., "AI-Driven Real-Time Health Monitoring System using Wearable and IoT Sensors", Proceedings of 3rd International Conference on Machine Learning and Autonomous Systems, ICMLAS 2026, 11–13 March 2026, Bangkok, Thailand, https://ieeexplore.ieee.org/document/11483850 .
13. Suman J.V.; Surendra K.; Priya A.S.; Begaliev A.; Velagaleti S.K.; Putta P., "FPGA-based Rapid Prototyping of High-Performance SoC Architectures", Proceedings of 9th International Conference on Inventive Computation Technologies, ICICT 2026, DOI:10.1109/ICICT68280.2026.11511145, https://www.scopus.com/pages/publications/105041656452?origin=resultslist.
14. Devi G.I.; Thammi Reddy T.; Pahuja H.; Velagaleti S.K.; Mettu M.R.; Suman J.V., "Machine Learning-Based Power Optimization of a SAR ADC", Proceedings of the 6th International Conference on Trends in Material Science and Inventive Materials, ICTMIM 2026, DOI:10.1109/ICTMIM68190.2026.11508066, https://www.scopus.com/pages/publications/105041446178?origin=resultslist.
15. Divya A.; Pragnya N.; Narasimha G.L.; Rohithkumar A.; Kranthi R.," Design and Integration of Harvard Architecture Pipelined Processor with Multi-Port Memory", Proceedings - IEEE Madhya Pradesh Section Conference, MPCON 2026,DOI: 10.1109/MPCON69668.2026.11508243, https://www.scopus.com/pages/publications/105041376926?origin=resultslist.
16. Divya G.; Sowmya K.; Meghana K.; Nandana K.; Bevara V., "A High-Speed, Low-Power Vedic Multiplier Design Based on the Urdhva Tiryakbhyam Sutra for IoT Applications", Proceedings - IEEE Madhya Pradesh Section Conference, MPCON 2026, https://www.scopus.com/pages/publications/105041419340?origin=resultslist.
17. Raavi K.C.; Dandigam R.; Uppaluri M.D.; Sottarov A.; Putta P.; Suman J.V.," IoT and AI-Integrated Smart Home Architecture for Adaptive Assisted Living Support", Proceedings of the 6th International Conference on Trends in Material Science and Inventive Materials, ICTMIM 2026,DOI: 10.1109/ICTMIM68190.2026.11507585, https://www.scopus.com/pages/publications/105041381929?origin=resultslist.
18. Suman J.V.; Priya A.S.; Kotte S.; Kadwadkar S.U.; Patil M.Y.; Kholmurodov I.," Ultra-Low Power VLSI Architecture for Edge AI-based Biomedical Signal Processing", Proceedings of 9th International Conference on Trends in Electronics and Informatics, ICOEI 2026,DOI:

10.1109/ICOEI68323.2026.11541459, https://www.scopus.com/pages/publications/105042411473?origin=resultslist.

19. Harshita R.; Krishna B.S.; Prasad S.V.; Kumar B.P.; Suman J.V., "High Performance CMOS Op-Amp Design for Arithmetic, Filtering, and Bio-potential Applications", 2026 IEEE 15th International Conference on Communication Systems and Network Technologies, CSNT 2026,DOI: 10.1109/CSNT69054.2026.11502298, https://www.scopus.com/pages/publications/105040694065?origin=resultslist.
20. Sundar R.; Deyyam A.; Anusha N.; Prasad K.P.; Asror S.; Suman J.V., "Edge AI Architecture for Real-Time Arrhythmia Detection Using Wearable ECG Devices", Proceedings of the 6th International Conference on Trends in Material Science and Inventive Materials, ICTMIM 2026, DOI: 10.1109/ICTMIM68190.2026.11507301, https://www.scopus.com/pages/publications/105041452065?origin=resultslist.

International Journals:

1. Tallapragada, T.V.V.; Aravinda Babu, T.; Karna, K.V.; Venkat Reddy, D.; Nageswara Rao, M.V., "Ensemble quantum deep learning for segmentation and classification of central nervous system demyelinating diseases", Biomedical Signal Processing and Control, vol. 113, ISSN: 1746-8108, SCI, Q2, IF: 5.0, https://www.sciencedirect.com/science/article/pii/S1746809425014351
2. Balashanmuga Vadivu, P.B.; Prabhakar, T.; Mandala, J.; Chandra Sekhar, K.V., "Hybrid Mobile-Spinalnet with feature extraction for brain tumor detection using MRI images" Biomedical Signal Processing and Control, vol. 112, ISSN: 1746-8108, SCI, Q2, IF: 5.0, https://www.sciencedirect.com/science/article/pii/S1746809425010821
3. Misra, A.; Prabhakar, T.; Balajee, B.; Venkatakotireddy, G.; Ramanjaiah, G.; Ali, A., "PCAFGNet: Principal component analysis network GoogleNet for spinal cord injury classification", Biomedical Signal Processing and Control, vol. 112, ISSN: 1746-8108, SCI, Q2, IF: 5.0, https://www.sciencedirect.com/science/article/pii/S1746809425009620?via%3Dihub
4. Narla, V.L.; Gulivindala, S.; Sahu, G.; Prabhakar, P., "A Hybrid Approach with CLAHE and Dark Channel Prior for Enhancing Underwater Images", Evergreen, vol. 12, no. 3, pp. 1654-1663, ISSN: 2189-0420, Scopus, https://www.tj.kyushu-u.ac.jp/evergreen/contents/EG2025-12_03_content/pdf/p1654-1663.pdf
5. Naidu, G.; Muniyandy, E.; Arunachalam, K.P.; Narayana Tinnaluri, V.S., "Collaborative intrusion detection in 6G-enabled IoT networks using Newton Raphson Optimized Dynamic Slimmable Global Attention Network with Blockchain Approach", International Journal of Information Technology (Singapore), ISSN: 2511-2104, Scopus, https://link.springer.com/article/10.1007/s41870-025-02980-5
6. Raja Kumar, D.S.; Balajee, B.; Kshirsagar, P.R.; Prabhakar, T., "Cardiovascular disease detection using google wide slice residual network approach by electrocardiogram images", Biomedical Signal Processing and Control, vol. 117, ISSN: 1746-8108, SCI, Q2, IF: 4.9, https://www.sciencedirect.com/science/article/pii/S1746809426000844
7. Rao, M.V.N.; Satyanarayana, T.V.V.; Aravinda Babu, T.; Karna, K.V.; Venkat Reddy, D., "Frequency Domain and Cross-Frame Connections for Multi-Object Tracking of Small Targets in Satellite Imagery", Transactions on Emerging Telecommunications Technologies, vol. 37, no. 2, ISSN: 2161-3915, SCI, Q3, IF: 2.5, https://doi.org/10.1002/ett.70355

8. Chandrasekhar N.; Peddakrishna S.; Kollem S., "Enhancing performance evaluation and ensemble methodology for early detection of heart disease with SHAP analysis", Evolutionary Intelligence, vol. 19, no. 2, ISSN: 1864-5917, SCI, Q3, IF: 2.6, 10.1007/s12065-026-01164-9
9. Bhukya S.N.; Velidandi A.; S.M.K C.; Boda R.; Anil Kumar B.; Medikondu N.R.; Rotte N.K., "A Multifunctional CeO2/NiO Nanocomposite for Biomedical Applications With Selective Anticancer Activity and Low Eco-Toxicity: In Vitro Studies", BioNanoScience, vol. 16, no. 207, ISSN: 2191-1649, SCI, Q3, IF: 3.5, https://link.springer.com/article/10.1007/s12668-026-02460-5
10. Valathuru M.; Pardhasaradhi P.; Vrajlal Langhnoja N.; Das S.; Algarni A.D.; Prasad N.; Madhav B.T.P., "Numerical investigation of a thermally tunable ultra-broadband metamaterial absorber integrated with vanadium dioxide (VO2) for terahertz applications", International Journal of Thermal Sciences, vol. 225, ISSN: 1778-4166, SCI, Q1, IF: 4.9, https://www.sciencedirect.com/science/article/pii/S1290072926001560
11. Sreelakshmi K.; Rao G.S.; Arasavali N.; Islam T.; Algarni A.D.; Prasad N.; Das S., "Modelling and Analysis of a Compact Quad-Band Monopole MIMO Antenna With Improved Isolation and High Gain for 5G and Wi-Fi 6 Systems", International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, vol. , no. , ISSN:1099-1204, SCI, Q2, IF: 1.4, https://onlinelibrary.wiley.com/doi/abs/10.1002/jnm.70156
12. Rekha V.S.D.; Sudhakar A.; Das S.; Langhnoja N.V., "A Thermally Controlled Tri-Band Metamaterial Perfect Absorber based on Vanadium Dioxide (VO_2) for Terahertz Communication Application", Journal of Nano- and Electronic Physics, vol. 18, no. 2, ISSN: 2077-6772, Scopus, Q3, IF: 1.06, https://jnep.sumdu.edu.ua/download/numbers/2026/2/articles/en/jnep_18_2_02019.pdf
13. Satyanarayana N.V.; Prasad G.R.K.; Prasad N.; Kumar O.P.; Madhav B.T.P.; Kumar P., "A novel and polarization insensitive triband absorber using a non-uniform design approach on a flexible material for X-band applications", PLOS ONE, vol. 21, no. 4, ISSN: 1932-6203, SCI, Q2, IF: 3.2, https://doi.org/10.1371/journal.pone.0336457

    Lavuri N.R.; Surendra L.; Varalakshmi S.; Dannana S., "A Low-Profile Crescent Shaped Circular Patch Antenna for Sub-6 GHz Applications", Journal of Nano- and Electronic Physics, vol. 18, no. 2, ISSN: 2077-6772, Scopus, Q3, IF: 1.06, https://jnep.sumdu.edu.ua/download/numbers/2026/2/articles/jnep_18_2_02016.pdf
14. Tummalapalli G.; Rao S.U.; Kumar M.C.; Narayanarao P., "A mobile-based deep learning technique for ECG beat classification", International Journal of Computational Vision and Robotics, vol. 16, no. 3, ISSN: 1752-9131, Scopus, IF: 1.39, https://doi.org/10.1504/IJCVR.2026.153127
15. Valathuru M.; Swamy K.V.; Aouthu S.; Prasad N., "A Multi Band Dual Slot CPW Fed Circular Ring Microstrip Patch Antenna for 5G mmWave Applications" Journal of Nano- and Electronic Physics, vol. 18, no. 2, ISSN: 2077-6772, Scopus, Q3, IF: 1.06, https://jnep.sumdu.edu.ua/download/numbers/2026/2/articles/en/jnep_18_2_02021.pdf
16. Loya S.; Ambati N.; Subalatha M.; Chapa B.P., "Analysis of A Low-Profile Hexagonal Patch Antenna for Next Generation Wireless Communications", Journal of Nano- and Electronic Physics, vol. 18, no. 2, ISSN: 2077-6772, Scopus, Q3, IF: 1.06, https://jnep.sumdu.edu.ua/download/numbers/2026/2/articles/en/jnep_18_2_02020.pdf .
17. Valathuru M.; Pardhasaradhi P.; Subramanya Sarma S.; Prasad Babu B.; Kokku A.K.; Satti S.M.R.; Prasad N.; Madhav B.T.P.," A triple-absorption peak ultra-wideband VO2 assisted dynamically switchable metasurface perfect absorber for terahertz applications", Journal of

Optics (India), ISSN: 0972-8821, ESCI, Q3, IF:1.6, DOI: 10.1007/s12596-026-03140-z, https://link.springer.com/article/10.1007/s12596-026-03140-z.

18. Chakraborty A.; Saxena R.S.; Singh I.; Kaur J.; Manjula M.; Johar M.G.M.; Seema S.; Shah S.K., "DGS-inspired dual-band MIMO antenna array for mobile satellite services (MSS) and ISM band wireless operations", Engineering Research Express, ISSN: 2631-8695, SCI, Q2, IF:1.4, DOI: 10.1088/2631-8695/ae701c, https://iopscience.iop.org/article/10.1088/2631-8695/ae701c

Books/Book Chapters:

1. Sreelakshmi, K.; Argiddi, R.V.; Bilfaqih, S.M.; Yadv, S.; Ramya, D.; Sudha, M. Published book chapter titled "Blockchain-Driven Cybersecurity Architectures for Smart Cities", IGI Global, pp. 287-314, https://www.igi-global.com/chapter/blockchain-driven-cybersecurity-architectures-for-smart-cities/394656
2. Krishnakishore, K.; Vijayarangan, R.; Jagan Naveen, V.; Kannan, V., "Scene Graph Generation from Static Images: Overview, Methods, and Applications", Wiley, pp. 21-46, https://onlinelibrary.wiley.com/doi/abs/10.1002/9781394356362.ch2

2025:

National Conferences:

----------NIL----------

National Journals:

----------NIL----------

International Conferences:

1. Palla R.; Badisa A.B.; Sanapathi J.P.; Vanga V.S.K.; Sisti T.T.; Silla A.G., "An Arduino-Based Reconfigurable Antenna for 5G Millimeter-Wave Applications", Proceedings of Third International Conference on Computational Electronics for Wireless Communications, Lecture Notes in Networks and Systems, pp. 269-281. (https://link.springer.com/chapter/10.1007/978-981-97-1943-3_24)
2. Kalyanchakravarthi P.; Das S., "AI Based Reliable and Secure Data Transfer in Wireless Networks", Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, vol. 601, pp. 320-328. https://link.springer.com/chapter/10.1007/978-3-031-81168-5_30
3. Sudhakar A.; Murthy G.R.S.; Lakshmu Naidu M.; Nazar N., "Design of 'T' Shaped Slotted Microstrip Antenna with Truncated Corners for WLAN/C Band/X Band Applications", 2025 5th International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies, ICAECT 2025, 9th – 10th Jan. 2025, Bhilai, India. https://ieeexplore.ieee.org/document/10958957?denied=
4. Prabhakar T.; Chapa B.P.; Hariprasad K.; Madhavi K.R., "Retinal Blood Vessel Segmentation for Diagnosis of Diabetic Retinopathy", Lecture Notes in Networks and Systems, pp. 373-383, https://link.springer.com/chapter/10.1007/978-3-031-81080-0_34
5. Umasankar M.; Revanth K.; Kumar N.S.; Venkatesh M.; Suman J.V. "Low Power and High Speed Hybrid Adder Design Using 10T XOR–XNOR Logic", Lecture Notes in Networks and Systems, pp. 443-449, https://link.springer.com/chapter/10.1007/978-3-031-81086-2_49
6. Devansh C.; Suman J.V.; Eswar G.; Narasimha G.; Medasani S.; Balaji M. "A Complementary FET (CFET)-Based NAND Design to Reduce RC Delay", 2025 IEEE 1st International Conference on Smart and Sustainable Developments in Electrical Engineering,

SSDEE 2025, 28th Feb. – 2nd Mar. 2025, ISM Dhanbad, Jharkhand, India, DOI:10.1109/SSDEE64538.2025.10968131
7. Achari B.N.; Ramu G.; Harika K.; Ravikanth G.; Dhanalakshmi P.; Prabhakar T. "Enhancing Heart Disease Risk Assessment Through Feature Augmentation and Key Predictors", Lecture Notes in Networks and Systems, pp. 325-333, https://link.springer.com/chapter/10.1007/978-3-031-81083-1_32
8. Kumar B.A.; Lakshmi K.D.; Shyamendra K.; Narendra P.S.; Venkata Sahithi L.D.M., "Real-Time Welding Defect Detection with YOLOv8 on Raspberry Pi", Proceedings of 5th International Conference on Trends in Material Science and Inventive Materials, ICTMIM 2025, 7th – 9th April, 2025, Palkulam, Tamil Nadu, India, https://ieeexplore.ieee.org/document/10987937
9. Mali, T., Pampana, T., Mortha, U.R., Sai, M.V., Aditya, K.S.B., Rao, B.M.S.S. (2025). IoT-Based Inventory Management and Control for Smart Refrigerators. In: Madureira, A.M., Abraham, A., Bajaj, A., Kahraman, C. (eds) Hybrid Intelligent Systems. HIS 2023. Lecture Notes in Networks and Systems, vol 1227. Springer, Cham. https://link.springer.com/chapter/10.1007/978-3-031-78931-1_25
10. Vysyaraju, D.V.S., Pamu, D., Patheda, S.K., Rayapati, R.B., Suru, J.R., Rao, M.V.N. (2025). An Efficient Classification of Tomato Plant Diseases Using Deep Learning. In: Madureira, A.M., Abraham, A., Bajaj, A., Kahraman, C. (eds) Hybrid Intelligent Systems. HIS 2023. Lecture Notes in Networks and Systems, vol 1227. Springer, Cham. https://link.springer.com/chapter/10.1007/978-3-031-78931-1_27
11. C., Devansh, Ch; G., Eswar, G.; G., Narasimha, G.; J.V., Venkata Suman, Jami Venkata; O., Gurrapu, Omprakash; A., Swetha Priya, Aenikapati; E., Jaya, Eppili, "Design and Performance Comparison of Approximate Multipliers", 2025 5th International Conference on Pervasive Computing and Social Networking (ICPCSN), DOI:10.1109/ICPCSN65854.2025.11034873
12. M., Swathi, Murapaka; R., Karthikeya, R.; K.V.S.H., Vardhan, Koppolu Vishnu S.Harsha; K.S., Pavan, Kancharla Sai; K.P., Chand, Kanna Prem; T., Prabhakar, Telagarapu, "Prediction of Chronic Diseases Using Machine Learning Algorithms", Bio-Inspired Computing, pp.257-263, DOI:10.1007/978-3-031-78937-3_26
13. M., Umasankar, Metta; K., Revanth, Korada; N.S., Kumar, Naru Shiva; M., Venkatesh, Marri; J.V., Venkata Suman, Jami Venkata, "Low Power and High Speed Hybrid Adder Design Using 10T XORâ€"XNOR Logic", Proceedings of the 15th International Conference on Soft Computing and Pattern Recognition, pp.443-449, DOI:10.1007/978-3-031-81086-2_49
14. A., Sudhakar, A.; B., Salviyah, B.; G.V.D., Naidu, G. Vasu Deva, "Design of slotted microstrip antenna for ISM band applications", AIP Conference Proceedings, vol. 3298, no. 1, ISSN: 1551-7616, Scopus, https://doi.org/10.1063/5.0279299
15. T.V., Divakar, T. V.S.; G.A., Rao, G. Anantha; D.V., Ramana, D. V., "Tripple slotted miniaturized PIF antenna with an electromagnetic meta-surface for medical applications at 5-6 GHz", AIP Conference Proceedings, vol. 3298, no. 1, ISSN: 1551-7616, Scopus, https://doi.org/10.1063/5.0279671
16. J., Botu, Jahnavi; R.S., Saxena, Ravi Shankar; B.M.S., Srinivasa Rao, B. M.S.; S., Arasavalli, Sravanthi; A., Uppada, Akshaya; S.M., Appada, Sai Manikanta; G., Durga, G., "Development of a solar-powered, sensor-integrated polyhouse for precision agriculture with cloud connectivity, AIP Conference Proceedings, vol. 3298, no. 1, ISSN: 1551-7616, Scopus, https://doi.org/10.1063/5.0280524
17. T., Prabhakar, Telagarapu; A.R., Gondu, Anantha Rao; C., Kishor Kumar Reddy, C.; A., Vandana, Annam; B., Jahnavi, B., "Design of real time facial emotion recognition system using

convolutional neural network", AIP Conference Proceedings, vol. 3298, no. 1, ISSN: 1551-7616, Scopus, https://doi.org/10.1063/5.0281446
18. D.S., Rao, D. Srinivasa; C., Rajasekhar, Chukka; G.B., Naidu, G. B.S.R.; P.M., Prasad, P. M.K., "QoS Based Multimedia Service Access in Emergency Response Wi-Fi Networks", 2025 11th International Conference on Communication and Signal Processing (ICCSP), 05-07 June 2025, Melmaruvathur, India, 10.1109/ICCSP64183.2025.11088789
19. P., Naveen, Panchireddy; Y., Asha, Yalla; P.S., Sateesh, Pakki Siva; V.T., Jose, Valayathil Thomas; R.S., Vamsi, Regpu Sai; J., Venkata Suman, Jami; S., Rajeyyagari, Sivaram, "Design of Low Power ALU Using FinFET-Based Adiabatic Logic", Proceedings of Sixth International Conference on Computer and Communication Technologies (pp.125-132), 10.1007/978-981-96-5238-9_12
20. Sarao, P.; Srinivasa Rao, B.; Gajbhare, B.P.; Naidu, G.; Vandna, n.; Prakash, K.S., "Hybrid Fuzzy Logic and Ant Colony Optimization-Based Routing for Dynamic VANET Topology Management", 2025 International Conference on Computing Technologies & Data Communication (ICCTDC), 4-5 July 2025, HASSAN, India, 10.1109/ICCTDC64446.2025.11158162
21. Ramya, K.; Vignesh Venkat Sai, N.; Jagan Mani, K.; Raja Sekhar, M.; Ayappan, S., "Detection and Classification of Brain Tumor Based on Convolutional Deep Learning Techniques", Lecture Notes in Networks and Systems, pp. 380-386, https://link.springer.com/chapter/10.1007/978-3-031-78922-9_37
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2020-21:
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2020-21:
----------NIL----------
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2019-20 :

2019-20 :
National Conferences:
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National Journals:
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2019-20 :
International Conference:

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2018-19 :

2018-19 :
National Conference:
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International Conference:

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2017-18 :

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2017-18 :

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2016-17 :

2016-17 :
National Conference:
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2016-17 :
National Journal:
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2016-17 :
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2016-17 :

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10. N.V.Lalitha, "**Synchronized Robust Audio Watermarking Based on FWHT**" In IIOAB Journal, Special Issue: Recent Advances In Signal Processing And Networks, Vol. 7, Issue.11, pp. 206 to 211, December 2016.
11. A.Sudhakar, "**WLAN Frequency Notched Printed Microstrip Antenna with S Shaped Slot and Dielectric Resonant Material**", Indian Journal of Science and Technology, Vol. 9, Issue 40, DOI: 10.17485/ijst/2016/v9i40/99000, October 2016. (ISSN:0974-5645)
12. G.B.S.R.Naidu, "**BER Estimation of OFDM System over Frequency Selective Fading Channels**", International Journal of Control Theory and Applications, International Science Press, Vol. 9, Issue 13, pp. 5845-5853, 2016.
13. A.Sivasangari, "**Performance Evaluation of Optimal Parameters for Pest Image Segmentation using FCM & ACO**", Indian Journal of Science and Technology, Vol. 9, No. 39, pp. 1-6, December 2016 (Scopus Indexed) (ISSN: 0974-5645)
14. A.Sivasangari, "**Pest Image Segmentation using Swarm Intelligence in Agricultural Ecosystem**", Journal of Institute of Integrative Omics and Applied Biotechnology, Vol. 7, Supp. 1, pp. 326-331, December 2016 (ISSN: 0976-3104) (Scopus Indexed)
15. A.Sivasangari, "**A Survey on Autonomous Pest Detection using Image Processing and Pest Control with Embedded System in Agricultural Field**", Journal of Instrumentation and Innovative Sciences, Vol. 1, No. 3, pp.1-9, December 2016.
16. G.Manmadha Rao, U.Santosh Kumar, "**Speech Enhancement using Kalman Filter with Preprocessed Digital Expander in Noisy Environment**", Indian Journal of Science and Technology , Vol. 9, Issue 39, October 2016. (SCOPUS)
17. D.Srinivasa Rao, "**QoS based Radio Resource Management Techniques for Next Generation MU-MIMO. WLANs: A Survey**", International Journal of Telecommunication and Computer Engineering, Vol. 8, No. 1, pp: xxxx, 2016. (ISSN: 2180 – 1843 e-ISSN: 2289-8131)
18. T.Geethamma, "**Reversible Data Hiding Based On Multiple Histograms Modification**", International Journal of Electronics and Communication Engineering (IOSR-JECE), Vol. 11, Issue 5, Ver. I, pp. 40-53,Sep.-Oct .2016. (e-ISSN: 2278-2834,p- ISSN: 2278-8735)
19. Sudhakar, M. Satyanarayana, M. Sunil Prakash, Sudhir Kumar Sharma, "**Compact UWB Planar Antenna with WLAN Band Rejection**", International Journal of Microwave and Optical Technology, Vol. 11, Issue 2, pp. 123-130, March 2016. (Scopus Indexed Journal)
20. Sudhakar, M. Satyanarayana, M. Sunil Prakash, Sudhir Kumar Sharma, "**Frequency notched UWB Printed monopole antenna with protruding strips inside rectangular slot**", Indian Journal of Science and Technology, Vol. 8, Issue 29, pp. 1-6, Nov 2015. (Scopus Indexed Journal)
21. P.M.K.Prasad, D.Y.V.Prasad, "**Performance Analysis of orthogonal and Biorthogonal wavelets for Edge detection of X-ray Images**" Procedia Computer Science, Elsevier, Vol. 87, pp. 116-121, 2016. (Scopus Indexed)
22. D.Srinivasa Rao, G.B.S.R.Naidu, "**SNR Estimation Algorithm for OFDM Systems**", International Journal of Emerging Technologies in Engineering Research (IJETER), EverScience Publications, Vol. 4, Issue 6, pp 65-69, June 2016.
23. P.M.K.Prasad and G.B.S.R.Naidu, "**Medical Image Edge Detection using MRA Based Wavelet Transforms**", International Journal of Latest Trends in Engineering and Technology, Vol. 7, Issue 1, pp. 644-650, May 2016. (Thomson Reuters Indexed Journal, Impact factor 0.685)

2015-16 :

2015-16
National Conference:

1. D.Arun Kumar & P.Devi Pradeep , published a paper titled, "**A Review on Cryptographic Tools & Algorithms**", National Conference on E-Solutions for Sustainable Development (NCESSD-2015), organized by School of Engineering, Department of ECE, Dayananda Sagar University, Bengaluru on 17th December 2015.
2. P.Devi Pradeep & J.V.Suman, published a paper titled, "**Design High Frequency of Synthesizer and voltage control oscillator**", National Conference on E-Solutions for Sustainable Development (NCESSD-2015), organized by School of Engineering, Department of ECE, Dayananda Sagar University, Bengaluru on 17th December 2015.
3. GBSR Naidu,D.Srinivasa Rao & PMK Prasad, published a paper titled, "**Performance of Analysis of OFDM system under in different UWB channel condition**", National Conference on E-Solutions for Sustainable Development (NCESSD-2015), organized by School of Engineering, Department of ECE, Dayananda Sagar University, Bengaluru on 17th December 2015.
4. D.Srinivasa Rao,B.Anil Kumar & GBSR Naidu, "**Disaster Resillient Emergency communication architecture using Solar-powered base stations**", National Conference on E-Solutions for Sustainable Development (NCESSD-2015), organized by School of Engineering, Department of ECE, Dayananda Sagar University, Bengaluru on 17th December 2015.
5. K.Krishna Kishore, V.Jagan Naveen & SSD Kameswari, "**PAPR Reduction in OFDM system by using Hadmard transform**", National Conference on E-Solutions for Sustainable Development (NCESSD-2015), organized by School of Engineering, Department of ECE, Dayananda Sagar University, Bengaluru on 17th December 2015.
6. Jami Venkata Suman presented a paper titled "**Study of performance of fractional fourier transform based AR prewhitner for LFM Reveberation**", National Conference on Nascent and Advanced Technologies (NCNAT-2015), Organized by IETE, Navi Mumbai Centre during 22nd August 2015**.**

2015-16
National Journal:

1. J.Venkata Suman, "**Performance Analysis of Time Frequency Resolution Techniques for Non-Stationary Signals**", Indian Journal of Science and Technology, Vol. 8, Issue 23, September – 2015.

2015-16
International Conference:

1. Shaik Zubaida Begum, Jagan Naveen, D.Arun Kumar, "**Different configurations of Distributed amplifier using 130nm MOS technology in 2-18GHz**", Proceedings of 13th International Conference on Electromagnetic Interference and Compatibility (INCEMIC 2015), Organized by the Department of ECE, Andhra University, Visakapatnam, during 22nd and 23rd July 2015.
2. Sudheer Kumar Nagothu, G.Anitha, "**INS-GPS Enabled Driving Aid Using Doppler Sensor", International Conference on Smart Sensors and Systems (IC-SSS – 2015)**", M. S. Ramaiah Institute of Technology, Bangalore, India, during 21st to 23rd December 2015.

3. Sudheer Kumar Nagothu, G.Anitha, "**INS - GPS Integrated Aid to Partially Vision Impaired People Using Doppler Sensor**", 3rd International Conference on Advanced Computing and Communication Systems, Organized by Sri Eshwar College of Engineering, Coimbatore, January 2016.
4. Sudheer Kumar Nagothu "**Automated Toll Collection System Using GPS and GPRS**", 5th IEEE International Conference on Communication and Signal Processing-ICCSP'16, Organized by the Department of Electronics and **Communication** Engineering, APEC, Melmaruvathur, Tamilnadu, India, during 6th to 8th April 2016.
5. N Sudheer Kumar, "W**eather based smart watering system using soil sensor and GSM**", International conference on futuristic trends in research and innovation for social welfare (WCFTR 16), Organized by Karpagam College of Engineering, Coimbatore 641032, held on 29th February and 1st March, 2016.
6. N Sudheer Kumar, "**Anti-theft alerting and monitoring of animals using integrated GPS and GPRS in Indian scenario**", International conference on futuristic trends in research and innovation for social welfare (WCFTR 16), Organized by Karpagam College of Engineering, Coimbatore 641032, held on 29th February and 1st March, 2016.
7. G.Sahu and B.Biswal, "**Analysis of ECG Signals using Advanced Wavelet Filtering Approach**", International Conference on Computational Intelligence in Data Mining(ICCIDM-2015), Organized by Roland Institute of Technology, Berhampur Odisha, during 5th and 6th December,2015 (published in Advances in Intelligent Systems and Computing, Springer, Volume 2, 2016, pp 427-436.)
8. M.Bala Krishna, "**Long Distance Communication by Fiber Optics using Solitary Wave**", 3rd International Conference on Recent Innovations in Science, Engineering and Management held at SVCET, Srikakulam, 27th February 2016.
9. P.M.K.Prasad, P.Kalyan Chakravarthy, "**Design and Development of Controller Software for MAS Receiver using Socket Programming**", International Conference on Computational Intelligence in Data Mining(ICCIDM-2015), organized by Roland Institute of Technology, Berhampur, Odisha, India during 5th - 6th December, 2015.
10. N.V.Lalitha, "**An Efficient Audio Water Marking based on SVD and Cartesian-Polar transformation with Synchronization**", International Conference on Micro Electronics Electro Magnetics and Telecommunications(ICMEET-2015), Organized by Department of Electronics and Communication Engineering ,GITAM University, Visakhapatnam, Andhra Pradesh, India during 18th & 19th December 2015.
11. T.Geethamma, "**Robust Hybrid Video Water Marking Using SVD and DTCWT**", International Conference on Micro Electronics Electro Magnetics and Telecommunications(ICMEET-2015), Organized by Department of Electronics and Communication Engineering ,GITAM University, Visakhapatnam, Andhra Pradesh, India during 18th & 19th December 2015.
12. GBSR Naidu, "**BER estimation of OFDM system over fading channels**", International Conference on Micro Electronics Electro Magnetics and Telecommunications(ICMEET-2015), Organized by Department of Electronics and Communication Engineering ,GITAM University, Visakhapatnam, Andhra Pradesh, India during 18th & 19th December 2015.
13. J.V.Suman, "**Design of Optimized MAC using EMBR techniques for low power applications**", International Conference on Computational Intelligence in Data Mining (ICCIDM-2015), Roland Institute of Technology, Berhampur, Odisha during 5th and 6th December 2015 ..
14. D.V.Ramana, "**Designing of DPA Resistant Circuit Using Secure Differential Logic Gates**", International Conference on Computational Intelligence in Data Mining (ICCIDM-

2015) , Roland Institute of Technology, Berhampur, Odisha, during 5th and 6th December 2015.

15. P.M.K.Prasad, "**Image Sharpness Estimation and Graph Theory Based Medical Image Segmentation**", International Conference on Computing Paradigms (ICCP2015), Don Bosco Engineering College, Chennai, 24th and 25th July, 2015.
16. GBSR Naidu, DYV Prasad & D.Srinivasa Rao, "**Estimation of Channel Capacity in MIMO-OFDM over different Fading Channels (CCN-010)**", International Conference on Recent Trends and Recent Issues in Computer Science and Engineering(ICRTRICSE-2K15), Organized by Department of Computer Science and Systems Engineering, AU college of Engineering(A), Visakhapatnam during 2nd & 3rd May, 2015.
17. GBSR Naidu, D.Srinivasa Rao & P.M.K.Prasad, "**Comparative Analysis of OFDM System with Reduced PAPR over Signal Distortion Techniques (CCN-009)**", International Conference on Recent Trends and Recent Issues in Computer Science and Engineering(ICRTRICSE-2K15), Organized by Department of Computer Science and Systems Engineering, AU college of Engineering(A), Visakhapatnam during 2nd & 3rd May, 2015.
18. Ch.Kalyan Chakravarthy, "**Optimization of Leakage Power In Sequential Circuits**", 1st International Conference on Computing, Communication, Electrical, Electronics, Devices & Signal Processing CCEEDS'15, Organized by Sunflower Engineering College, Vijayawada during 28-03-15 to 30-03-15.
19. Gupteswar Sahu, "**Ground State Properties of $LiNbO_3$ from First-Principles Calculations**", International Conference on Recent Trends and Innovations in Engineering and Technology (ICRTIET-15), Organized by PACE Institute of Technology and Science, Ongole, during 1st & 2nd May, 2015.
20. Gulivindala Suresh, "**Comparative Analysis of VEDIC Multiplier**", International Conference on Developments in Engineering Research, held at Salem, during 26th April, 2015.
21. N.V.Lalitha, Gulivindala Suresh, "**Audio Watermarking using DWT and QIM**", International Conference on Developments in Engineering Research, held at Salem, during 26th April, 2015.

2015-16
International Journal:

1. Jagan Naveen, K.Krishna Kishore , P.Rajesh, "**BER Analysis of OFDM System over Nonlinear Fading Channels**", International Journal of Applied Engineering and Research (IJEAR), Vol. 10, No. 19, October 2015. **(Scopus indexed)**
2. Marysandhya , V.Jagan Naveen, K.Sanath Kumar, "**PAPR Reduction for OFDM system using ABC and PSO Algorithms**", International Journal of Applied Engineering and Research (IJEAR), Vol. 10, No. 17, pp. 37389-37395, October 2015. **(scopus indexed)**

3. Soundarya, V.Jagan Naveen,D.Tirumala Rao, "**Implementation of 32-Point FFT Processor for OFDM System**", proceedings of Computational Intelligence in Data Mining, Springer, Vol. 3, 2015. **(scopus indexed)**
4. Sudheer Kumar Nagothu, Joseph Praveen Kumar, G.Anitha, "**Lossless Compression of Hyperspectral Images using Differential Pulse Code Modulation**", International Journal of Applied Engineering Research, Vol. 10, No.10, pp 15613- 15617, 2015.
5. Sudheer Kumar Nagothu, Om Prakash Kumar, G Anitha, "**GPS Aided Autonomous Monitoring and Attendance System**", Procedia Computer Science Vol. 87, pp 99-104, 2015
6. T. Sridevi and G.Manmadha Rao, **"Design of Binary Comparators in QCA using 5-input Majority Gate",** International Journal of Applied Engineering Research (IJAER) **,** Research India Publications, Vol. 10, No. 9, pp 40623-40626, 2015. (**Scopus Indexed)**
7. G.Manmadha Rao and N.Srinivasa Rao, **"Speech Signal Analysis of Different Species using Cross Spectral Method",** International Journal of Applied Engineering Research (IJAER), Research India Publications, Vol. 10, No. 16, pp 37235-37239, 2015. (**Scopus Indexed)**
8. G.Manmadha Rao and N.Srinivasa Rao, **"Speech Signal Analysis Using Concentrated Spectrogram Method",** International Journal of Signal Processing, Image Processing and Pattern Recognition (IJSIP)**,** SERSC Publishers, Vol. 8, No. 5, pp. 127-132, 2015.
9. P.Ramesh, B.I.Neelgar, B.M.S.Sreenivasa Rao, "**Image compression, ECG data Compression and Image Encryption by Binary versions of Discrete Cosine Transform, Haar Transform and Discrete Hartley Transform**", International Journal of Applied Engineering Research, Vol. 10, No. 17, 2015. (Scopus Indexed).
10. B.Anil Kumar, Murali Krishna, N.Lakshmi Devi, **"Performance Analysis of Image Edge Detection using Hybrid, Sobel and Log Sobel Methods",** International Journal of Current Trends in Engineering & Research (IJCTER), Vol. No. 2, Issue No. 4, pp. 684-691, April 2016. (Impact Factor: 3.468) (Indexed in: NA) (ISSN No.:2455-1392)
11. Anilkumar B, Lakshmidevi N, **"Performance analysis of Wireless Sensor Network using Zigbee Pro for Remote patient monitoring Application**", Journal of Network Communications and Emerging Technologies (JNCET), Vol. No. 6, Issue No. 3, pp. 67-72, March 2016. (Impact Factor: 4.332) (Indexed in: NA) (ISSN No: 2395-5317)
12. T.Govinda Rao, P.Devi Pradeep and P.Kalyan Chakravarthi, "**Design of double precision floating point multiplication algorithm with vector support**", International Journal of Microwave Engineering (JMICRO), Vol.1, No.1, 2016.
13. D.Srinivasa Rao, GBSR Naidu, PMK Prasad, "**QoS based Spectrum Selection Scheme in Cognitive Radio Networks**", Journal of Network Communications and Emerging Technologies (JNCET), Vol. 6, Issue 1, pp 12-17, January 2016.
14. D.Y.V.Prasad, D.Srinivasa Rao, GBSR Naidu, "**Correlation based-Frequency offset estimation Over UWB Channels in Wireless Networks**", Journal of Network Communications and Emerging Technologies (JNCET), Vol. 6, Issue 2, pp 7-11, February 2016.
15. GBSR Naidu, D.Srinivasa Rao, PMK Prasad, "**A Study of MB-OFDM Wireless System over different UWB Channel Conditions**", Journal of Network Communications and Emerging Technologies (JNCET), Vol. 6, Issue 2, pp 1-6, February 2016.
16. D.Arun Kumar, M.BalaKrishna, P.V.Murali Krishna, "**Various Trends in Backscatter of Natural Targets on Land Observed in Quickscat Data at Ku-Band**", International Journal of Microwave Engineering (JMICRO), Vol. 1, No. 2, 2016

17. N.V.Lalitha, "**Robust Audio Watermarking Scheme with Synchronization Code and QIM**", International Journal of Engineering and Technology (IJET), Vol. 8, No. 1, , pp. 486-500, Feb-Mar 2016.
18. M.Bala Krishna, "**Long Distance Communication by Fiber Optics using Solitary Wave**", International Journal of Electrical and Electronics Engineers, Vol. 08, Issue 01, Jan-June 2016.
19. P.M.K.Prasad, "**Image Sharpness Estimation and Graph Theory Based Medical Image Segmentation**", International Journal of Applied Engineering Research, Vol.10, No. 69, pp 251-256, 2015. (Scopus Indexed Journal)
20. J.V.Suman, "**Design of Low Power Signed Multiplier Based on EMBR Techniques**", International Journal of Hybrid Information Technology, Vol.8, No.11, pp.181-188, 2015.
21. P.M.K.Prasad, "**Performance Analysis of Biorthogonal Wavelets for Edge Feature Extraction of X-ray Images Based on Parameterized Filter Design**", International Journal of Applied Engineering Research (Scopus Indexed Journal), Vol. 10, No. 5, pp. 11979-11993, 2015.
22. P.M.K.Prasad, "**Investigation of various orthogonal wavelets for precise analysis of X-ray images**" International Journal of Engineering Research and Applications, Vol. 5, Issue 2, Part 3, pp 24-32, 2015.
23. A.Sudhakar, "**Single Band Frequency Notched Square Monopole UWB Antenna with Extended Stepped Side Inverted U Slot**", International Journal of Microwave and Optical Technology (Scopus Indexed Journal), Vol.10, No.5, September 2015.
24. T.Geethamma, "**A Novel blind Audio And Video Watermarking**", International Journal of Applied Engineering Research, Vol. 10, No. 17, pp 37624-37629, 2015.
25. J.V.Suman, "**Design of 16-bit Multiplier Using Efficient Recoding Techniques**", International Journal of Hybrid Information Technology, Vol.8, No.10, pp.7-14, 2015.
26. D.Venkata Ramana , "**Implementation of DPA Resistant Circuit using Differential Logic Gates for Advanced Security**", International Journal of Trend in Research and Development (IJTRD), Vol. 2, Issue 4 , September 2015.
27. N.V.Lalitha, G.Suresh , "**Analysis of Texture Features for Image Processing Applications**", International Journal of Trend in Research and Development, Vol. 2, Issue 4, August 2015.
28. P.M.K.Prasad, P.Kalyan Chakravarthy, "**Design and Development of Controller Software for MAS Receiver using Embedded System**", International Journal of Innovation in Computer Science and Engineering, Vol. 5, Issue 1, pp 48-52, July- 2015.
29. P.V.Murali Krishna, G.Sahu and D.Arun Kumar, "**A Scheme for Secure Transmission of Multiple Images using MCKBA and FFWPDM**", International Journal of Scientific Research in Science, Engineering and Technology (ISSN:2394-4099), Vol 1, Issue 1, January- February, 2015.
30. Jami Venkata Suman, "**Performance Analysis of Multi Frequency Component Signals using Hilbert-Huang Transform**", International Journal of Trend in Research and Development (ISSN: 2394-9333), Vol. 2 issue 3, pp:98-102, May 2015.
31. D Arun Kumar, "**A Review on Design of Microstrip Patch Antennas Using Different Techniques**", International Journal of Applied Engineering Research, Research India Publications, Vol. 10, No.20, 2015 (ISSN 0973-4562) **(Scopus indexed)**
32. G.Sahu, D.Arun Kumar, M.Bala Krishna, J.V.Suman, "**Speech Enhancement in Presence of Noise using Spectral Subtraction and Wiener Filter**", International Journal of Trend in Research and Development, Vol. 2, Issue 3, June 2015. (ISSN: 2394-9333)

33. Jami Venkata Suman, "**Design of Efficient and Fast Multiplier Using MB Recoding Techniques**", International Journal of Emerging Research in Management & Technology, Vol. 4, Issue 6, June 2015. (ISSN: 2278-9359)
34. D.Suresh, D.V.Ramana, D.Arun Kumar, "**Frame Based Recovery of Corrupted Video Files**", International Journal of Microwave Engineering, Vol.1, No.1, 2015.

2014-15

National Conferences:

1. P.M.K.Prasad, "**Color and Gray scale Image Denoising using Modified Decision based Unsymmetric Trimmed Median Filter**", National Conference on Recent Trends in Science and Technology NCRTST-2015, organized by JNTUH College of Engineering, Nachupally (Kondagattu), Karimnagar Dt., Telangana during 25th and 26th February 2015.
2. G.B.S.R.Naidu, "**MIMO-OFDM Wireless LAN For High Data Rate Multimedia Applications**", National Conference on Recent Trends in Science and Technology NCRTST-2015, organized by JNTUH College of Engineering, Nachupally (Kondagattu), Karimnagar Dt., Telangana during 25th and 26th February 2015.
3. J.Venakata Suman, "**Performance comparison of one bit ALU design for low power applications**", One day national conference on Emerging Trends in Information, Digital and Embedded Systems, Proceedeinds of the national conference ETI 2015, 28th February, 2015.
4. SSD Kameswari and K.Krishna Kishore, "**Hybrid Image Steganography Technique**" in one day national conference on Emerging Trends in information, digital and embedded systems held on 28-02-2015.
5. B.Anil Kumar presented and published paper titled, "**Design and development of a wireless robotic vehicle for motor speed and direction controlling system**", A two day National Conference on Recent Advances in Microwaves and Antennas at Sri Venkateswara College of Engineering and Technology, Chittoor, 3rd and 4th March 2015.
6. D.Y.V.Prasad, D.Srinivasa Rao, G.B.S.R.Naidu, "**QoS based Resource Allocation for MIMO-OFDM broadcast systems**", A two day National Conference on Recent Advances in Microwaves and Antennas at Sri Venkateswara College of Engineering and Technology, Chittoor, 3rd and 4th March 2015.
7. T. Govinda Rao, "**Synthetic Aperture Sonar**", A two day National Conference on Recent Advances in Microwaves and Antennas at Sri Venkateswara College of Engineering and Technology, Chittoor, 3rd and 4th March 2015.
8. D.Arun Kumar, Ch.Kalyan Chakravarthy, P.Devi Pradeep, "**Review of Microstrip patch antenna for WLAN and WiMAX Applications**" , A two day National Conference on Recent Advances in Microwaves and Antennas at Sri Venkateswara College of Engineering and Technology, Chittoor, 3rd and 4th March 2015.
9. T.Geethamma, "**Literature survey of Wavelet based Digital Image Watermarking Techniques**", IEEE Technically Co-sponsored conference on Emerging trends in Signal Processing And Communication Engineering (ESPACE-2015), Aditya Institute of Technology & Management, Tekkali, 20th and 21st February 2015.
10. B.Anil Kumar, T.Govinda Rao and Ch.Kalyan Chakravarthy, "**A novel Design and Development of Wireless Stethoscope for Heart beat Monitoring System using**

Arduino", IEEE Technically Co-sponsored conference on Emerging trends in Signal Processing And Communication Engineering (ESPACE-2015), Aditya Institute of Technology & Management, Tekkali, 20th and 21st February 2015.

11. K.Vijay Kumar, P. Kalyan Chakravarthy and P.Devi Pradeep, "**Color Image Compression by using hybrid discrete wavelet & cosine transforms**", IEEE Technically Co-sponsored conference on Emerging trends in Signal Processing And Communication Engineering (ESPACE-2015), Aditya Institute of Technology & Management, Tekkali, 20th and 21st February 2015.
12. P. Kalyan Chakravarthy and D.Suresh, "**PSNR based optimezed video transmission protocol for wireless communication**", IEEE Technically Co-sponsored conference on Emerging trends in Signal Processing And Communication Engineering (ESPACE-2015), Aditya Institute of Technology & Management, Tekkali, 20th and 21st February 2015.
13. P.M.K.Prasad, "**Edge feature extraction of X-ray images based on spatial domain techniques**", IEEE Technically Co-sponsored conference on Emerging trends in Signal Processing And Communication Engineering (ESPACE-2015), Aditya Institute of Technology & Management, Tekkali, 20th and 21st February 2015. (got best paper award)
14. B M S Sreenivasa rao, D Arun Kumar and O Kishore, "**Performance Analysis of Range and Doppler Information using Pulse Doppler Radar**", IEEE Technically Co-sponsored conference on Emerging trends in Signal Processing And Communication Engineering (ESPACE-2015), Aditya Institute of Technology & Management, Tekkali, 20th and 21st February 2015.
15. D Venkata Ramana and G B S R Naidu, "**On the design and optimization of Mixed Signal Systems using Field programmable Array of Analog and Digital Devices**", IEEE Technically Co-sponsored conference on Emerging trends in Signal Processing And Communication Engineering (ESPACE-2015), Aditya Institute of Technology & Management, Tekkali, 20th and 21st February 2015.
16. P Devipradeep, D V Ramana, D.Suresh and P. Kalyan Chakravarthy, "**Design of Low power Adder for ALU by Reducing Sub-Threshold Leakage Current**", IEEE Technically Co-sponsored conference on Emerging trends in Signal Processing And Communication Engineering (ESPACE-2015), Aditya Institute of Technology & Management, Tekkali, 20th and 21st February 2015.
17. K.Krishna Kishore and SSD Kameswari, "**Image steganography using DWT and Huffman Encoding**" , IEEE Technically Co-sponsored conference on Emerging trends in Signal Processing And Communication Engineering (ESPACE-2015), Aditya Institute of Technology & Management, Tekkali, 20th and 21st February 2015.
18. J Venkata Suman, "**Design of low power and area efficient one bit ALU using reversible logic gates**", IEEE Technically Co-sponsored conference on Emerging trends in Signal Processing And Communication Engineering (ESPACE-2015), Aditya Institute of Technology & Management, Tekkali, 20th and 21st February 2015.
19. P.M.K.Prasad, "**Edge detection in noisy images using wavelet transform**", National Conference on Recent Advances in Electronics & Computer Engineering(RAECE 2015) organized by Department of E.C.E. Indian Institute of Technology, Roorkee, 13th -15th February, 2015.
20. D.Arun kumar, "**Wireless Reception For Microcontroller Based Embedded System** ", National Seminar titled Recent Trends In VLSI & Embedded System at Jaipur National University (RTVES) Jaipur, October 15 & 16, 2014(submitted on 25-11-2014)

National Journals:

--------NIL---------

International Conferences:

1. D.Arun Kumar, "**A Review on Design of Microstrip Patch Antennas Using Different Techniques**", IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems ICIIECS'15 organized by Department of ECE, Karpagam College of Engineering, Coimbatore, Tamil Naidu during 19-3-2015 to 20-03-15.
2. D.Arun Kumar, "**A Set of Range-Parameterized Kalman Filter For Target Tracking Using Extended Gain**", 1st International Conference on Computing, Communication, Electrical, Electronics, Devices & Signal Processing CCEEDS'15 organized by Sunflower Engineering College, Vijayawada during 28-03-15 to 30-03-15.
3. D.Arun Kumar, "**Design of Microstrip Antenna with Asymmetric U Shaped Slot at 2.4GHz**", 1st International Conference on Computing, Communication, Electrical, Electronics, Devices & Signal Processing CCEEDS'15 organized by Sunflower Engineering College, Vijayawada during 28-03-15 to 30-03-15.
4. G.Suresh, "Design and Implementation of 4 Bit D-RAM through Low-Power Pulse-Triggered Flip-Flop in SoC Technology", 3rd International Conference on Computing Communication and Sensor Network, Proceedings of the conference CCSN 2015, March 2015.
5. K.Chiranjeevi, Ch.Babji Prasad, "Comparative study of SAR Image compression", International Conference on Electrical, Electronics, Signals Communication and Optimization (EESCO)-2015, Vignan's Institute of Information Technology, Duvvada, Visakhapatnam 24th – 25th January, 2015.
6. Ch.Babji Prasad, D.Y.V.Prasad, GBSR Naidu, "Cellular Technologies: A Journey towards 5G", International Conference on Electrical, Electronics, Signals Communication and Optimization (EESCO)-2015, Vignan's Institute of Information Technology, Duvvada, Visakhapatnam 24th – 25th January, 2015.
7. P.Ravi kumar, "Gain and Bandwidth Enhancement of a Circular Microstrip Patch Antenna Using an Air Layer between Two substrates", International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO-2015), Vignan's Institute of Information Technology, Visakhapatnam, on 24th to 25th January 2015.
8. M.Bala Krishna presented a paper titled "Comparison of Almouti & MRC schemes over various channels for free space optics", International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO-2015), Vignan's Institute of Information Technology, Visakhapatnam, on 24th to 25th January 2015.
9. T.Geethamma presented & published a paper titled "Design and Implementation of Dynamic Partial Reconfiguration using adaptive evolvable Hardware", International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO-2015), Vignan's Institute of Information Technology, Visakhapatnam, on 24th to 25th January 2015.
10. T.Geethamma presented & published a paper titled "Robust Image Data Hiding designed for Semi-Fragile Image Authentication", International Conference on Electrical,

Electronics, Signals, Communication and Optimization (EESCO-2015), Vignan's Institute of Information Technology, Visakhapatnam, on 24th to 25th January 2015.

11. GBSR Naidu, DYV Prasad & D.Srinivasa Rao, "Improved performance of OFDM systems with reduced PAPR based on Channel Coding Techniques", International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO-2015), Vignan's Institute of Information Technology, Visakhapatnam, on 24th to 25th January 2015.
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2. V.Jagan Naveen and G.Manmadha Rao, “Performance evolution of active sonar pulse designs for reverberation processing”, NCASP-09, AU, Visakhapatnam, 20th -21th Nov-2009.

3. G.Manmadha Rao, “Radar target detection using LFM chirp” NCASP-09, AU, Visakhapatnam, 20th -21th Nov-2009.

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2008-09

International Journals:

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2008-09

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2008-09

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1. G. Manmadha Rao “Radar detection using Linear Discrete time frequency modulation” ICSCI -09 (International Conference), Pentagram Research Center, Hyderabad 7th – 10th January 2009.

2008-09

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2007-08

International Journals:

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2007-08

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5. B.I.Neelgar "Analysis of segmentation of Femur by filtering techniques", International Conference on Cognition and Recognition (ICCR), P.E.S college of Engg., Mandya, Karnataka, 10th -12th April 2008.

6. B.I.Neelgar "Reduction of Power Dissipation in Sequential Circuits", International Conference on Embedded systems & VLSI design, P.D.V.V.P College of Engineering, Ahmed Nagar, Maharashtra State, 20th -21st March 2008.

2007-08

National Conference:

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2006-07

International Journals:

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2006-07

National Journals:

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2. V.Jagan Naveen "Performance Study of wireless LAN IEEE 802.11a PHY", ICSCI-07 (International Conference), Pentagram Research Center, Hyderabad 03th -07th Jan 07.

3. D.Tirumala Rao "Progressions of binary pulse compression, Pentagram Research Center", ICSCI-07(International Conference), Pentagram Research Center, Hyderabad03th -07th January 2007.

2006-07

National Conferences:

1. P.M.K.Prasad "Side lobe cancellation using pade approximation technique", Zonal seminar on Emerging Communication Technologies (SECT-07), IETE Visakhapatnam, Centre, 10th -11th Feb 2007.
2. G.Manmadha Rao "Stepped LFM and NLFM Waveform Comparative Studies for Range-resolution Radar", Zonal seminar on Emerging Communication Technologies (SECT '07), IETE Visakhapatnam centre during 10th -11th Feb 2007.

3. V.Jagan Naveen "V-blast architecture for wireless communications in Multipath environment, SECT-07 (Zonal seminar on Emerging communication Technologies), IETE Visakhapatnam, Centre, 10th -11th Feb 2007.

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2005-06

International Journals:

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2005-06

National Journals:

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2005-06

International Conference:

1. G.Manmadha Rao and V.Jagan Naveen "Peak to Average Power Control in OFDM using multiple signal representation", ICSCI-06(International Conference), Pentagram Research Center, 04th -08th Jan 2006.

2. D.Tirumala Rao "Performance Analysis of RADAR Signals", ICSCI (International Conference), Pentagram Research Center, 04th -08th Jan 2006.

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2005-06

National Conferences:

1. G.Manmadha Rao and V.Jagan Naveen “ Isolated Word Recognition using Vector Quantization and Hidden Markov Models”, RACE-05(National Conference), SRKR 18th & 19th Jun 2005.

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