



K.L.E. Society's

K. L. E. INSTITUTE OF TECHNOLOGY, HUBBALLI-27

(AICTE approved, affiliated to VTU and ISO 9001:2015 Certified Institute)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(NBA Accredited Program)

Opposite Airport, Gokul, Hubli-580 027. Dist.: Dharwad, Karnataka, India.

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Faculty publications in Journals/Paper presentations in Conferences 2022-23

1. Ashish Anandrao Patil, Manu T. M. & Basavaraj S. Anami “Biological Plant Recommendation System for Indoor Air Quality Improvement Using IoT”, Handbook of Research on Applications of AI, Digital Twin, and Internet of Things for Sustainable Development, 2023.
2. Dr. Pramanick, Aishwarya Patil, "Minimally invasive microneedle: A novel approach for drug delivery system and infected wound care management" Open Access book-"Wound Healing - Recent Advances and Future Opportunities", June 08, 2022, London.
3. Supriya Puttappanavar, “Iterative LMMSE detection and Machine learning algorithm based optimized capacity for MIMO system”,GIS Science Journal, ISSN NO 1869-9391, VOL 10, Issue 3, March 2023.



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Faculty publications in Journals/Paper presentations in Conferences: 2018-19

1. Manu T. M. and Sharada Vakkund (2017, July-Aug.). "Statistical Analyzer of Webpage Contents", *International Journal of Computer Science Trends and Technology*, Vol. 5, Issue 4, pp. 147-149.
ISSN: 2347-8578
2. Shridhar Devamane and R. L. Itagi, "Performance evaluation of Interleavers for Turbo code", *3rd IEEE Intl. Conf. (ICEECCOT)*, GSSS Institute of Engg. & Technology for Women, Mysuru, Dec. 2018.
DOI: 10.1109/ICEECCOT43722.2018.9001425
3. Shridhar Devamane and R. L. Itagi, "Turbo Code Implementation on TMS320C6711", *3rd IEEE Intl. Conf. (ICEECCOT)*, GSSS Institute of Engg. & Technology for Women, Mysuru, Dec. 2018.
4. Rakesh H. M. and G. S. Sunitha (2018, Jan.). "Comparative analysis of 16 x 16 bit Vedic and Booth multipliers", *World Journal of Technology, Research and Engineering (WJTER)*, Vol. 3, Issue 1, pp. 305-313.
5. Rakesh H. M. and G. S. Sunitha (2018). "Performance Comparison of Conventional multiplier with Vedic Multiplier using ISE simulator", *International Journal of Engineering and Manufacturing Science*, Vol. 8, No.1, pp. 95-103. ISSN 2249-3115
6. Rakesh H. M and G. S. Sunitha (2019). "A Survey on Architectures of MAC units for DSP Applications", *European Journal of Advances in Engineering and Technology*, Vol. 6, Issue 4, pp.36-39. ISSN 2394-658X
7. Arun A. B., "A Novel Approach to Integrate Cyber-Physical World Using IoT", *3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT)*, SVCE, 2018, pp. 1316-1320.
DOI: 10.1109/RTEICT42901.2018.9012637
8. A. L. Gudyalakar, V. B. Deshmukh, S. R. Mangalwede and D. H. Rao (2018). "A Review of Soft Computing Approaches in Student Academic Performance Evaluation", *International Journal of Engineering Research & Technology (IJERT)*, Vol. 6, Issue 13, pp.1177-1182. ISSN: 2278-0181,
9. Pratima Ghattarki and Anilkumar V. Nandi (2018), "Wireless RF Energy Harvesting Using Inverted F Antenna", *International Research Journal of Engineering and Technology (IRJET)*, Vol. 5, Issue 8, pp. 856-861. ISSN: 2395-0056 p-ISSN: 2395-0072
10. Varshini Kadoli, Chetan Sagarnal, Karuna Gull (2019). "Smart Refrigerator", *IOSR Journal of Engg.*, Vol. 2, pp. 13-21. ISSN (e): 2250-3021, ISSN (p): 2278-8719



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Faculty publications in Journals/Paper presentations in Conferences: 2017-18

1. Tejas K. Rayangoudar and H. C. Nagaraj, "A review on Gait methodology and challenges," *International Conference on Recent Advancements in Engineering & Technology*, Vol. 8, Issue 4, 2017, pp. 48-52.
DOI:10.35940/ijrte.D9597.118419
2. Ravi N. Bagade and Vinod Hosamani (2017). "Impacts of wind energy exploitation", *International Journal of Modern Trends in Engineering and Research*, Vol. 4, Issue 1, pp. 57-60.
DOI:10.21884/ijmter
3. G. S. Sunitha and H. M. Rakesh (2017, Oct.). "Design and Implementation of adder architectures and analysis of performance metrics", *International Journal of Electronics and Communication Engineering and Technology (IJECET)*, Vol. 8, Issue 5, pp.1-8.
4. Rakesh H. M. and G. S. Sunitha (2017). "Design and Implementation of Vedic and Booth multiplier on Spartan 3", *International Journal of VLSI Design, Microelectronics and Embedded System*, Vol. 2, Issue 2, pp. 34-40.
5. Arun A. Badiger, "IoT Based Intelligent Poultry Management System Using Linux Embedded System", Proceedings of *IEEE International Conference on Advances in Computing, Communications and Informatics (ICACCI)*, Manipal Institute of Technology, Manipal, 2017, pp. 449-454.
DOI: 10.1109/ICACCI.2017.8125881
6. H. M. Rakesh, "Performance comparison of conventional multiplier with Vedic multiplier using ISE simulator", *National Conference on Recent Advances in Electronics & Communication areas*, BIET, Davangere, 13 Oct. 2017.