



### **Faculty publications in Journals/Paper presentations in Conferences: 2020-21**

1. Anusha Reddy, T. M. Manu, Basavaraj S. Anami and Nagaraj P. Shetti (2020). "A Multi-Agent Based Hexagon-Shape Approach for Shortest Path Computation in Wireless Sensors Network", *Sensors International*, Vol. 1. ISSN2666-3511. <https://doi.org/10.1016/j.sintl.2020.100056>.
2. S. B. Devamane and R. L. Itagi (2020). "Recurrent neural network based Turbo decoding algorithms for different code rates", *Journal of King Saud University-Computer and Information Sciences* (in press). <https://doi.org/10.1016/j.jksuci.2020.03.012>
3. Tejas K. Rayangoudar and H. C. Nagaraj, (2020). "Significance of Effective Local Gradient Distribution Technique with EFT on Multi-View and Cloth Invariant Gait Recognition", *International Journal of Future Generation Communication and Networking, Web of Science*, Vol. 13, No. 3, pp. 243-252.
4. Ravi Hosamani, Karuna C. Gull and Susen Naik (2020, Feb.). "Innovative Teaching to Improve the Learning Process: An Experience", *Journal of Emerging Technologies and Innovative Research*, Vol. 7, Issue 2, pp. 1020-1025. ISSN: 2349-5162
5. Megharani Mayani and R. L. Itagi, "A Review on intelligent farming with remote sensing data", *International e-Conference on Applications of Intelligent Computing (ICAIC)*, SGBIT, Belagavi, 27-28 Nov. 2020.
6. Rakesh H. M. and G. S. Sunitha, "Design and implementation of Novel 32-Bit MAC unit for DSP Applications", *IEEE International Conference for Emerging Technology*, Jain CET, Belagavi, June 5-7, 2020, pp. 157-163. DOI:10.1109/INCET49848.2020.9154177

### **Faculty publications in Journals/Paper presentations in Conferences: 2019-20**

7. Tejas K. Rayangoudar and H. C. Nagaraj, "CHOG based EFD for geometric shape retrieval of images for cloth and object invariant Gait recognition," *International Journal of Recent Technology and Engineering Scopus Indexed*, Vol. 8, Issue-4, Nov 2019. pp. 11887-11892. ISSN: 2277-3878. doi:10.35940/ijrte.D9597.118419.
8. Tejas K. Rayangoudar and H. C. Nagaraj, "Effective Distribution of Local Intensity Gradient Technique for View Invariant Gait Recognition", *Proceedings of 2<sup>nd</sup> IEEE International Conference on Intelligent Communication and Computational Techniques*, Manipal University Jaipur, 2019, pp. 187-191. Received Best Paper award. DOI: 10.1109/ICCT46177.2019.8968784



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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", *3<sup>rd</sup> 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", *3<sup>rd</sup> 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", *3<sup>rd</sup> 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



### **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.