



Research and Development Board

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List of Conference Publications in 2021-22

1. Basukumar H K, Arun K V, "Stress Corrosion Cracking Behavior of Spring Steel in Aggressive Corrosion Environment " Recent Trends in Electrochemical Science and Technology, edited by U. Kamachi Mudali, S. T. Aruna, H. P. Nagaswarupa, Dinesh Rangappa, Springer nature, 2022, pp. 67-76.
2. P. Thotad, G. R. Bharamagoudar and B. S. Anami, "Predictive Analysis of Diabetes Mellitus Using Decision Tree Approach," 2022 2nd Asian Conference on Innovation in Technology (ASIANCON), 2022, pp. 1-7, doi: 10.1109/ASIANCON55314.2022.9909122.
3. B. S. Anami, K. Mainalli, S. Kallur and V. Patil, "A Machine Learning Based Approach for Wine Quality Prediction," 2022 2nd Asian Conference on Innovation in Technology (ASIANCON), 2022, pp. 1-6, doi: 10.1109/ASIANCON55314.2022.9908870.
4. B. S. Anami, K. Mainalli, S. Kallur and V. Patil, "A Machine Learning Based Approach for Wine Quality Prediction," 2022 2nd Asian Conference on Innovation in Technology (ASIANCON), 2022, pp. 1-6, doi: 10.1109/ASIANCON55314.2022.9908870.
5. V. Patil, M. T. M., B. S. Anami and D. Billur, "Effective 3D Video Streaming Using 2D Video Encoding System," 2022 2nd Asian Conference on Innovation in Technology (ASIANCON), 2022, pp. 1-5, doi: 10.1109/ASIANCON55314.2022.9909378.
6. Balachandra Chikkoppa Vijeeta Patil, Advanced Alzheimer's IoT solution for Real-time Monitoring in Healthcare Services, International Conference for Advancement in Technology (ICONAT), 2022.
7. Patil Shrinivas Kiran , Sharanabasappa C. Sajjan "Finalization of minimum Autofrettage pressure for steel made hydraulic cylinder used in industrial power pack applications" Science Direct Elsevier 'Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2021.04.558>.

8. S. C. Sajjan, ShajidAli Nadaf, Suhas Deshpande, Md Malik Rehan N, Sushma N. R. "Mechanical ox – Replacement of tractors and farm animals for agriculture practices" Science Direct Elsevier 'Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2021.05.047>.
9. Shridhar. Allagi, R. Rachh and B. Anami, "A Robust Support Vector Machine Based Auto-Encoder for DoS Attacks Identification in Computer Networks," 2021 International Conference on Intelligent Technologies (CONIT), 2021, pp. 1-6, doi: 10.1109/CONIT51480.2021.9498284.
10. V. S. Kamatar, V. P. Baligar and S. S. Savanur, "Two Phase Image Compression Algorithm Using Diagonal Pixels of Image Blocks," 2021 2nd International Conference for Emerging Technology (INCET), 2021, pp. 1-6, doi: 10.1109/INCET51464.2021.9456290.
11. V. S. Kamatar and V. P. Baligar, "Low Complexity Gray-scale Image Compression Method Using Index-Based Approach," 2021 Asian Conference on Innovation in Technology (ASIANCON), 2021, pp. 1-7, doi: 10.1109/ASIANCON51346.2021.9544757.
12. V. S. Kamatar, V. P. Baligar and R. Patil, "Block-Wise Image Compression Using Major and Minor Diagonal Pixels," 2021 Asian Conference on Innovation in Technology (ASIANCON), 2021, pp. 1-7, doi: 10.1109/ASIANCON51346.2021.9545030.
13. R. Hosamani, V. Patil, R. H M, M. T.M, C. Saraf and P. K. Y G, "8x8 SFQ based Multiplier design using Verilog in Cadence," 2021 IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC), 2021, pp. 1-5, doi: 10.1109/ICMNWC52512.2021.9688467.
14. V. Patil and T. M. Manu, "FPGA Implementation Radix-2 DIT FFT Using Fixed Point Arithmetic and Reduced Arithmetic Complexity," 2021 International Conference on Intelligent Technologies (CONIT), 2021, pp. 1-4, doi: 10.1109/CONIT51480.2021.9498315.
15. H. K. Basukumar, K.V. Arun, Tensile behavior of pre-stress corroded and post hydrogen embrittled spring steel, Materials Today: Proceedings, 2021,,ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2021.08.156>.
16. Basukumar H K and Arun K V., July 2021 "Tensile Behavior of Pre-Stress Corroded and Post Hydrogen Embrittled Spring Steel", Global Conference on Recent Advances in Sustainable Materials (GC-RASM 2021) 29 - 30, July 2021, held at A.J. Institute of Engineering & Technology, Karnataka, India.

17. Basukumar H. K. and Arun K. V., March 2021, Experimental investigation on Hydrogen embrittlement of EN47 Spring steel, IOP Conf. Ser.: Mater. Sci. Eng. 1126 012077, IOP Conference Series: Materials Science and Engineering, Volume 1126, 3rd International Conference on trends in Material Science and Inventive Materials (ICTMIM 2021) 12th-13th March 2021, Coimbatore, India.
18. Basukumar H. K. and Arun K. V., Jan 2021, Stress Corrosion Cracking of Spring Steel in aggressive corrosive environment, National symposium on “Electrochemical Science and Technology’ NEST2020, on IISC campus, Bengaluru, India.
19. Madhumati Dhaduti, Anand Hunashyal, K. Sujay, “An Assessment of Groundwater Quality of Ilkal Takul, Bagalkot District, Karnataka, India using GIS and CCME WQI, Recent Advance in Civil Engineering, Lecture Notes in Civil Engineering, Preceding of CTCS 2021 Springer Nature.
20. Lalitha Madanabhavi, Geeta R Bharamagoudar, Nikita Parakh and Meena S.M , “Indian vehicle Number Plate Detection and Recognition using Deep Learning”, 2nd International Conference on Science, Engineering & Technology (ICSET-2022), Institute for Engineering Research and Publication, Singapore, 28th & 29th Jan 2022, pp 139-144.
21. Geeta R.B, Shrikanth, Manohar Madagi, “Geo-Social: Location and social metrics enabled MoN routing algorithms”, 12 th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2021, Volum2021-August 2021, Pages 337-341, Hyderabad.
22. Geeta R.B, Gouri C.Khadabadi, Shashikumar G Totad, “A Survey on identification and classification diseases in crops using image processing techniques”, 12 th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2021, Volum2021-August 2021, Pages 174-179, Hyderabad.
23. Abhishek, Lalitha M, Geeta R. B ,“Smart Parking System for educational institution”, 12 th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2021, Volum2021-August 2021, Pages 342-348, Hyderabad.
24. Nivedita Kasturi; Geeta R B, S G Totad; Goldina Ghosh, “Feasibility Study of Software Engineering Aspects of Big data Analytics Applications for Academicians” International Conference on Cyber Intelligence and Information Retrieval CIIR 2021 Program presented on 20th May 2021 to 21st May 2021, Organized by Institute of Engineering & Management

Group Department of Computer Application and Science, Kolkata, technically sponsored by the Smart Society, USA.

25. Shashikumar G Totad, Karibasappa K. G., Geeta R. B. Nithish T, "Detection of Anomaly in Streaming Dataset", 4th International Conference on Intelligent Computing and Communication (ICICC - 2020) 18th,19th & 20th Sept, 2020, Dayanand Sagar University, Bengaluru, Published in: Computer Communication, Networking and IoT, Part of Lecture Notes in Networks and Systems, LNNS Vol-197, pp 431-440, 19-06-2021, Springer, Singapore, DOI: doi.org/10.1007/978-981-16-0980-0_38.
26. P. Thotad, G.R. Bharamagoudar, B.S.Anami,” Predictive Analysis of Diabetes Mellitus using Decision Tree Approach”, 2022, 2nd Asian Conference on Innovation in Technology(ASIANCON) 2022, pp. 1-7, doi:10.1109/ASIANCON55314.2022.9909122.
27. A. S. Reddy, M. G. Prasad, H. Bagalkot, M. Naik, V. Bhat, Design and Development of Wind-Solar Tree: A Hybrid Renewable Energy System for Domestic Applications, IEEE North Karnataka Subsection Flagship International Conference (IEEE NKCon-2022). DOI: 978-1-6654-5342-4/22/\$31.00 ©2022 IEEE.