

Paper Publications as on 04-11-2024

Year 2024:

1. Manonmani Srinivasan, Shanta Rangaswamy and Ganesh N Naik Classification of Underwater Mines with Convolutional Neural Networks, ISSN: 2633-4828 Vol. 5 No.4, December, 2023
2. Srinivasan, Manonmani, Shanta Rangaswamy, and Mohamed Moin Irfan. "Synthetic Underwater Naval Mine Dataset Generation and Naval Mine Detection Using Custom CNN Model-Deep Neural Networks." International Journal of Applied Engineering & Technology, ISSN: 2633-4828 Vol. 5 No.4, December, 2023, pp 2064-2084
3. Nivedita Manohar Mathkunti and Shanta Rangaswamy, Book chapter titled "Different Smart Diagnosis Processes of Alzheimer's Brain Disease Using AI Techniques" in the book titled "Smart Medical Imaging for Diagnosis and Treatment Planning". eBook Published on 31 July 2024, DOI <https://doi.org/10.1201/9781003464884>, eBook ISBN9781003464884, Taylor and Francis Group CRC Press. pp 46-70. **Scopus indexed.** Different Smart Diagnosis Processes of Alzheimer's Brain Disease Using (taylorfrancis.com)
4. N. M. Mathkunti, S. Rangaswamy, S. S. Yalavigi, S. S. Shellikeri and S. S. Magadum, "Early Diagnosis of Parkinson's Disease Using Deep Learning and Average Voting Classifier," 2024 *Second International Conference on Data Science and Information System (ICDSIS)*, Hassan, India, 2024, pp. 1-6, doi: 10.1109/ICDSIS61070.2024.10594705. 2024 Second International Conference on Data Science and Information System (ICDSIS), 17-18 May 2024
5. Mekhala Vinod Purohit, & Dr. Shanta Rangaswamy. (2024). Prediction Model, Sentiment Analysis and Recommendation System on Zomato Bangalore Dataset With XAI Tools Lime And SHAP. International Journal of Computer Science and Information Technology Research, 12(1), 7–15. <https://doi.org/10.5281/zenodo.10725858>. March 2024

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6. Akanksha A. Pai, Harini K. S., Deeptha Giridhar, Shanta Rangaswamy, "Real Time Accident Detection from Closed Circuit Television and Suggestion of Nearest Medical Amenities", International Journal of Information Technology and Computer Science (IJITCS), Vol.15, No.6, pp.15-28, 2023. DOI:10.5815/ijitcs.2023.06.0
7. Shanta Rangaswamy, Jinka Rakesh, Perla leela Charan, Deeptha Giridharan "Early and accurate diagnosis of a neurological disorder Epilepsy using machine learning techniques", I.J. Information Technology and Computer Science, 2023, 2, 54-63, Volume 15 (2023), Issue 2, Published Online on April 8, 2023 by MECS Press (<http://www.mecspress.org/>),DOI: 10.5815/ijitcs.2023.02.05 (**Scopus indexed**)
8. Shreyasa Joshi, Pranamya Mady, & Shanta Rangaswamy. (2023). Smart Traffic Signalling Using Computer Vision for Avoidance of Blind Spots. Journal of Transportation Engineering and Traffic Management, 4(2), 1–10. <https://doi.org/10.5281/zenodo.7949622>.(**scopus indexed**)

Year 2022:

9. Roopa Ravish, Shanta Rangaswamy, Book published, titled “Intelligent Transport System in Metropolitan Cities. Design of a predictive model to estimate mode of transport and travel time in metropolitan cities using RL Technique” 978-620-5-51938-7, Published on 2022-11-30, Publishing house LAP LAMBERT Academic Publishing Number of pages 148.
10. A M Naveen, Roopa Ravish, Shanta Rangaswamy “Distributional Reinforcement Learning For Automated Driving Vehicle” 2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)DOI: 10.1109/MysuruCon55714.2022 16-17 Oct. 2022.Published on 15th Dec 2022.
11. Bharath R, Shanta Rangaswamy, “A Survey Paper on Applications of RFIDs”, Gradiva Review Journal, ISSN NO: 0363-8057, volume 8 issue 12 2022, pp 436-443. <http://gradivareview.com/Volume-8-Issue-12-2022/>
12. Pranav H, Revanth K, Shanta Rangaswamy, A Poster presentation during International Conference on AIMLBIO 2022 held during 8-10 Dec 2022, “Detection of Malarial Parasite in blood cell images using Machine learning Techniques to AIMLBIO-2022 (Artificial Intelligence and Machine Learning in Applied Biotechnology) on 8th Nov 2022.Paper id:43
13. Kshitij Agarwal, Kumar Ayush Sinha, Manan Sahu, Manav Dharora, Shanta Rangaswamy, “Detection of Neurological Diseases at an early stage using Deep learning approach”, High Technology Letters, <http://www.gjstx-e.cn/gallery/44-sep2022.pdf>, Volume 28, Issue 9, Sept 2022, ISSN No : 1006-6748, pp 544-551
14. Roopa Ravish, Shanta Rangaswamy, Arpitha V & Vasuprada U (2022) User preference-based intelligent road route recommendation using SARSA and dynamic programming, Journal of Control and Decision, DOI: 10.1080/23307706.2022.2096705 . ISSN: (Print) (Online) Journal homepage: <https://www.tandfonline.com/loi/tjcd20> (Q1 Journal), pp 1-12. Received 29 Jun 2021, Accepted 28 Jun 2022, Published online: 31 Jul 2022
15. Monish S, Mridul Mohta, Shanta Rangaswamy, "Ethereum Price Prediction using Deep Learning Techniques – A Comparative Study", International Journal of Engineering Applied Sciences and Technology, 2022 Vol. 7, Issue 2, ISSN No. 2455-2143, Pages 137-142 Published Online June 2022 in IJEAST (<http://www.ijeast.com>)
16. Lalitha V.P., Rangaswamy, S. Automatic object detection in aerial image using bent identity-convolutional neural network and fine-tuning algorithm. Multimed Tools Appl (2022). <https://doi.org/10.1007/s11042-022-11948-7> (Springer Nature, Q1 publication), pp.1-28. Published on 12th Feb 2022
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21. Manonmani S., Shanta Rangaswamy et al. "Underwater Mine Detection Using Histogram of oriented gradients and Canny Edge Detector" to IEEE ICCST2021 (54th IEEE International Carnahan Conference on Security Technology - online) during 11-15 Oct 2021.2021 International Carnahan Conference on Security Technology (ICCST) 978-1-6654-9988-0/21/\$31.00 ©2021 IEEE doi: 10.1109/ICCST49569.2021.971740
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26. Ravish Roopa and Shanta Ranga Swamy. "Intelligent Traffic Management: A Review of Challenges, Solutions, and Future Perspectives" *Transport and Telecommunication Journal* 22, no.2 (May 2021): 163-182. <https://doi.org/10.2478/ttj-2021-0013> (**Q2 Journal**) (**Scopus indexed, WoS**)
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