Sri Sivasubramaniya Nadar College of Engineering, Chennai

(An autonomous Institution affiliated to Anna University)

Department of Computer Science and Engineering

International Journal Publications (July 2022 – April 2023)

Web of Science	Scopus	Others	Total
30	4	5	39

1. Monisha M. and V.S. Felix Enigo,"Optical Character Recognition for Printed Tamizhi Documents using Deep Neural Networks", DESIDOC Journal of Library and Information Technology, July 2022, Vol.42(4), pp.227-233, **WoS IF: 0.288**, DOI:10.14429/djlit.42.4.17742**(Q2)**

2. Sheerin Sitara Noor Mohamed, Kavitha Srinivasan, "Improvisation of Dataset Efficiency in Visual Question Answering Domain", Statistics and Applications Journal, Vol.20(2), December 2022, pp.279-289.**ISSN 2454-7395 (online) WoS (NA)**

3. S.M.Jaisakthi, P.Mirunalini, Aravindan Chandrabose, Appavu Rajagopal, "Classification of skin cancer from dermoscopic images using deep neural network architectures", Multimedia Tools and Applications, Online First, October 2022. **WoS IF: 2.577** DOI: 10.1007/s11042-022-13847-3 **(Q1)**

4. Prabavathy Balasundaram, Lekshmi Kalinathan, Sushaanth Srinivasan, Sharvesh Shankar and W Angeline Hilda, "A Novel Generalized Handwritten Character Recognition Model using Few-Shot Learning", Indian Journal of Natural Sciences, Vol.13(75), December-2022, pp.50507-50518.**WoS IF: 1.988**

5. Prabavathy Balasundaram-Lekshmi Kalinathan,Anu Lekshmi, "An Improved Face Recognition Model for Image-based Attendance System", Indian Journal of Natural Sciences, Vol.13(75), December-2022, pp.50307-50316.**WoS IF: 1.988**

6. Ujjwel Balwal, Angel Deborah S, Rajalakshmi S and Saritha M, "Crop Quality Prediction using Image Processing", Indian Journal of Natural Sciences, Vol.13(75), December-2022, pp.51271-51278.**WoS IF: 1.988.**

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7. Venkata Vara Prasad D, Lokeswari Y Venkataramana, Suresh Jaganathan, "Pulmonary Nodule Detection Using Deep Learning Technique", Neuroquantology, Vol.20(11), pp.6418-6427, Sept 2022. **(Scopus) (Q4)**

8. Lekshmi Kalinathan, Ruba Soundar Kathavarayan "Segmentation of Multiple Nuclei from Non-overlapping Immuno-histochemically Stained Histological Hepatic Images, Online First, 02 August 2022.**WoS IF:4.903** https://doi.org/10.1007/s10278-022-00688-7. **(Q1)**

9. 9. Shunmuganathan Saraswathi, "Enforcing a Source-end Cooperative Multilevel Defense Mechanism to Counter Flooding Attack", Computer Systems Science And

Engineering", January 2023, 44(1), 67-79. **WoS IF:4.397** https://doi.org/10.32604/csse.2023.023858 **(Q3)**

10. R.Kanchana, T.T.Mirnalinee and V.S.Felix Enigo, "IoT based System for Sewage Overflow Prevention using Heterogeneous Communication Networks", Asian Journal of Water, Environment and Pollution, IOS Press.vol. 20, no. 1, pp. 25-33, January 2023, **WoS IF: 0.78, DOI: 10.3233/AJW230005 (Q3)**

11. Ezhil Tharsan S., Dharshan S., Dinesh G. and Saraswathi S., "Real Time Indian Sign Language Detection using LSTM and Keypoint Extraction", International Journal of Computer Applications, Vol.184(21):1-7, July 2022.

12. Anandh Krushna S K, Deepananth K, Praveen Kumar S, Nithish Bharathwaj K R, Lekshmi Kalinathan, Nagarajan K K,, "SolarPanel Dual Management System", International Journal of Advanced Research in Management, Architecture, Technology and Engineering, Volume 8, Issue 7, July 2022.

13. Dakshinamoorthy Karthikeyan, Chamundeswari Arumugam, Arun Sivakumar, "Android X-Ray - A system for Malware Detection in Android apps using Dynamic Analysis", WSEAS Transactions on Information Science and Applications, Volume 19, November 2022, pp.264-271. **(Scopus)**

14. Chaithanya A, Hariharan R, Harishkumar S, Prabavathy B, "Enhancing GraphQL Data Fetching Technique", International Journal of Computer Applications, July 2022, Vol. 184(20), pp:1-6.

15. Adithya Vikram, R. Priyadharsini, Adithya VIKRAM, Anusha CHANDRASEKARAN, S. K. SRINITHYEE, "Forensic face image generation and recognition", Romanian Journal of Information Technology and Automatic Control", Vol.32(3), October 2022, **WoS** https://doi.org/10.33436/v32i3y202207

16. R. Priyadharsini, Sharath Chander Pugazhenthi , Shivaani Krishnakumar and Soundarya Jayakumar, "Outcome Prediction for One Day International Cricket Matches", Indian Journal of Natural Sciences, Vol 13 Issue 74, October 2022, ISSN: 0976 – 0997, pp.48220-48231. **WoS :IF:1.988**

17. Praveenkumar R, Mirunalini. P , Mirnalinee.T.T, "Localization of Number Plate using Deep Learning Models", Indian Journal of Natural Science, TR Vol.13(74), **WoS :IF:1.988** ISSN: 0976-0997, October 2022, pp. 47514-47521.

18. Ms. S. Rajalakshmi, Ujjwel Balwal, Rajalakshmi S, Angel Deborah S and Saritha M, Varshini Balaji, Sivakami S, "Automatic Forest Fire Detection using Drones and Deep LearningTechniques", Indian Journal of Natural Science, Vol.13(74), ISSN: 0976-0997, October 2022, pp. 47599-47607. **WoS IF: 1.988**

19. 19. Kavithasri A Saritha M Rajalakshmi S and Angel Deborah S, Aishvarya S "Automated Vehicular Accident Detection and Notification System", Indian Journal of Natural Science, Vol.13(74), IISSN: 0976-0997, October 2022, pp. 48645-48652. **WoS IF:1.988**

20. Srinivas Gumparti, D.Venkata vara Prasad, "Stock Price Prediction Using Statistical and Machine Learning Techniques", NeuroQuantology, Vol 20(10), October 2022, pp. 11127-11129,Scopus 0.442, doi: 10.14704/nq.2022.20.10.NQ551079. **(Scopus) (Q4)**

21. S.V.Jansi Rani, Nivedhitha .P, "Multi-species Fish Identification using Hybrid DeepCNN with Refined Squeeze and Excitation Architecture", Aquatic Sciences and Engineering, Vol.37(4), ISSN:2602-473X, November, 2022, pp.220- 228.**WoS IF: 0.21,** DOI :10.26650/ASE202221163202

22. Lakshmi Priya S, Suresh Jaganathan, "Intelligent short term traffic forecasting using deep learning models with Bayesian contextual hyperband tuning", Computational Intelligence, Vol.38(6), December 2022., **WoS IF: 2.142, https://doi.org/10.1111/coin.12554 (Q2)**

23. Bhuvana J, T. T. Mirnalinee, B. Bharathi, "Infant Sneha, Efficient generative transfer learning framework for the detection of COVID-19",Computer Science and Information Systems (ComSIS), Vol.19(3), , December 2022, pp.1241-1259. **WoS IF: 1.17**, https://doi.org/10.2298/CSIS220207033B **(Q3)**

24. Balasubramanian V, Vignesh Balaji S, Supraja S, Sumon Kumar, Thejas N, Shruthi D,Shri Keshavinee R, "Anti-Shoulder Surfing Graphical Password Authentication System", , Indian Journal of Natural Sciences, Vol.13(76), Clarivate, , ISSN: 0976 – 0997, Feb , 2023, pp.1-11. **WoS IF: 1.988**

25. S. Kavitha, G. Raghuraman, A. Kavithasri, S. Aishvarya, B. Janani, "Learning behaviour analysis of online course learners using EEG and facial expression data", Measurement: Sensors, Vol. 25, 1, ISSN 2665-9174, https://doi.org/10.1016/j.measen.2023.100669, January 2023, pp.1-9. **(Scopus :0.1) (Q3)**

26. Kavitha Srinivasan, -, Sheerin Sitara Noor Mohamed, "Comprehensive Interpretation for Medical VQA: Datasets, Techniques, and Challenges", Journal of Intelligent & Fuzzy Systems, January, 2023 (Online), pp.1-17. **WoS IF: 1.737, 10.3233/JIFS-222569 (Q2)**

27. S.V. Jansi Rani, Prabagarane Nagaradjane, -, Sai Charan, Sai Prakash, Niel Parekh, Iacovos Ioannou, Christophoros Christophorou, Vasos Vassiliou,Andreas Pitsillides, "Detection of DDoS attacks in D2D communications using machine learning approach", Computer Communications, Vol.198, January 2023, pp.32-51, **WoS IF: 5.021,**doi.org/10.1016/j.comcom.2022.11.013 **(Q1)**

28. Madheswari K, Saraswathi S, Lokeswari Y.V, K.K.Nagarajan, -, Aswatha S, Deepika R,Dharu Piraba M, Dhaneesh V.P, "Smart air pollution monitoring system", Global NEST Journal, Vol.25(3), January 2023, 2023, pp.125-129, **WoS IF:1.12** http://www.iaeme.com/ijciet/issues.asp?JType=IJCIET&VType=9&IType=9 **(Q3)**

29. Seyezhai Ramalingam, Muthuselvan N.B, Bhuvana J, "A Study and Review of Classical, Machine Learning and Deep Learning Methods of Software Reliability Estimation for Safety-Critical Systems", Indian Journal of Natural Sciences, Vol.13(76), Clarivate, 1.988, February, 2023, pp.52452-52467. **WoS IF: 1.988**

30. Dhivya, S., Mohanavalli, S and Kavitha, S, "Automated Carcinoma Classification Using Efficient Nuclei-based Patch Selection and Deep Learning Techniques", Journal of Intelligent & Fuzzy Systems, online first, , 10.3233/JIFS-222136, April 2023, pp.1-15,**WoS IF: 1.737, DOI:** 10.3233/JIFS-222136 **(Q2)**

31. VLKM Amith Kumar N, Satheesh Kumar.G.R , Sreedhar.V , Surya.S.S , S.Saraswathi, "Smart Home Security System and Liveness Detection using Convolutional Neural Networks" Indian Journal of Natural Sciences 13 (75), 51612-51617, **WoS IF: 1.988**

32. Lokeswari Y Venkataramana , Venkata Vara Prasad D S. Saraswathi, C. M. Mithumary, R. Karthikeyan,N. Monika "Classifcation of COVID-19 from tuberculosis and pneumonia using deep learning techniques" in Medical & Biological Engineering & Computing Jul 2022, Springer ISSN / eISSN: 0140-0118/ 1741-0444, **[WoS IF :2.602]** https://doi.org/10.1007/s11517-022-02632-x **(Q2)**

33. R.Srijith, H.K.Vishal and A.Beulah, 2023, "Visual Scene Understanding for Self-Driving Vehicles using Mask RCNN", *Indian Journal of Natural Sciences, Vol.14 / Issue 77, pp:* 54833- 54840. **WoS IF: 1.988**

34. S. Saranya, B. Bharathi, "NLP Approach for Recognizing Alzheimer's Dementia from Spontaneous Speech" Indian Journal of Natural Sciences, Vol.14(77), Clarivate, 1.988, April, 2023, pp.54382-54390. **WoS IF: 1.988**

35. Jansi Rani S V, Yamini L, Shivanni K, Radha N (2022). Blockchain based system for transfer of funds through an e-Governance application. Romanian Journal of

Information Technology and Automatic Control, 32(4), 93-102. **WoS IF:0.09. https://doi.org/10.33436/v32i4y202208**

36. Jaisakthi, S.M., Desingu, K., Mirunalini, P. *et al.* "A deep learning approach for nucleus segmentation and tumor classification from lung histopathological images", *Network Modeling Analysis and Health Informatics Bioinformatics* **12**, 22 (2023). **WoS IF: 2.05** https://doi.org/10.1007/s13721-023-00417-2 **(Q3)**

37. S.V.Jansi Rani (2022), Plant Disease Detection using Transfer Learning in Precision Agriculture, Ambient Science, vol.9, no.3, 34-39. doi:10.21276/ambi.2022.09.3.ta02

38. K., Pravinkrishnan & Balasundaram, Prabavathy & Kalinathan, Lekshmi. (2022). An Overview of Chatbots using ML Algorithms in Agricultural Domain, International Journal of Computer Applications. Vol.184. pp.15-22. 10.5120/ijca2022922082

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