



R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY
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Approved by AICTE, New Delhi/ Affiliated to Anna University, Chennai
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Paper Published in Journal by Faculty

Academic Year 2023-2024

1. **Josephine Shermila. P.**, Ahilan, A., Shunmugathammal, M. et al., " **DEEPFIC: food item classification with calorie calculation using dragonfly deep learning network.**", Signal, Image and Video Processing, Doi: doi.org/10.1007/s11760-023-02600-4, June 2023. **(WoS)**.
2. **Josephine Shermila. P.**, P. Deepa, S. Rajakumar, E. Anna Devi, M. Eugene Prince, A. Jasmine Gnana Malar, " **New Hybrid Cuk-Landsman High Gain Dc-Dc Converter Modelling and Analysis**", SSRG International Journal of Electrical and Electronics Engineering, Vol:9, Issue No:8, Doi: 10.14445/23488379/IJEEE-V9I8P102, Aug 2023. **(WoS/Scopus)**.
3. **Josephine Shermila. P.**, Vijila Rani, K., Eugene Prince, M., Sujatha Therese, Anna Devi, E., " **Detection of cervix tumor using an intelligent system accompanied with PNN classification approach**", Signal, Image and Video Processing, Vol:17, Issue No:7, Doi: doi.org/10.1007/s11760-023-02600-4, June 2023. **(WoS)**.
4. **Josephine Shermila. P.**, Nishitha, J., Shoba, L.K., " **Brain Tumour Detection from MRI Images Using Deep CNN**", IEEE Explore, Doi: 10.1109/ICONSTEM56934.2023.10142928, June 2023. **(Scopus)**.
5. **Josephine Shermila. P.**, Anusha, A.D., Akila, M., Abirami, S., " **Pneumonia Detection from X- Ray Images using Convolutional Neural Networks**", IEEE Explore, Doi: 10.1109/ICONSTEM56934.2023.10142295, June 2023. **(Scopus)**.
6. **G Sangeetha.**, Shaista Fatima, P Ponmurugan, A. N. Arularasan, A. Prabhu Chakkaravarthy, R Denis, " **Machine Learning Development In Solving Critical Medical Problems**", IEEE Xplore: 2023 International Conference on Inventive Computation Technologies (ICICT), Doi: 10.1109/ICICT57646.2023.10134418, June 2023. **(WoS)**.
7. **Akila A;** Nilankar Bhanja; Devulapalli Sudheer; Ashok Kumar; Pramit Brata

- Chanda;Rakesh Dani," **Modified Cuckoo Algorithm (mCA-CNN) for Detection and Diagnosis of Pancreatic Tumor using Region-based Segmentation Techniques**", IEEE Xplore: International Conference on Applied Artificial Intelligence and Computing (ICAAIC),Doi: 10.1109/ICAAIC56838.2023.10141182, June 2023. **(Scopus)**.
8. **Akila A;** Nilankar Bhanja;Devulapalli Sudheer;Ashok Kumar;Pramit Brata Chanda;Rakesh Dani," **Predicting and Analyzing Air Quality Features Effectively using a Hybrid Machine Learning Model**", IEEE Xplore: International Conference on Applied Artificial Intelligence and Computing (ICAAIC),Doi: 10.1109/ICAAIC56838.2023.10141317, June 2023. **(Scopus)**.
 9. **Dr. V. Vijayaraja;** Dr. V. Gokula Krishnan , Dr. M. V. Vijaya Saradhi, Dr. S. Sai Kumar , G. Dhanalakshmi4 , P. Pushpa," **Hybrid Optimization based Feature Selection with DenseNet Model for Heart Disease Prediction**", International Journal of Electrical and Electronics Research, Vol:11, Issue No:2, June 2023. **(Scopus)**.
 10. **G Sangeetha.,** G. Shanmugaraj, G. Sethuram Rao,K. Mohanamba," **A Review on Artificial Intelligence-Based Cyber Physical Systems for Industry 4.0**", Cyber-Physical Systems and Supporting Technologies for Industrial Automation, Doi: 10.4018/978-1-6684-9267-3, July 2023. **(Scopus)**.
 11. **Josephine Shermila. P.,** Rani, K.V. Prince, M. Therese, P.J. Devi, E.A.," **Content-based medical image retrieval using fractional Hartley transform with hybrid features**", SSRG International Journal of Electrical and Electronics Engineering,Vol:9,Issue No:8,Doi: 10.1007/s11042-023-16462-y, Aug 2023. **(WoS)**.
 12. **Josephine Shermila. P.,** Ahilan, A., Jasmine Gnana Malar, A., Jothin, R," **MDEEPFIC: Food item classification with calorie calculation using modified dragonfly deep learning network**", Intelligence Fuzz Journal of Intelligent & Fuzzy Systems, Vol:45, Issue No:2, Doi: 10.3233/JIFS-230193, Aug 2023. **(WoS)**.
 13. **Josephine Shermila. P.,** Rani, K.V., Sumathy, G., Shoba, L.K. et al," **Radon transform-based improved single seeded region growing segmentation for lung cancer detection using AMPWSVM classification approach**", Signal, Image and Video Processing, Vol:17, Issue No:8, Doi: 10.1007/s11760-023-02693-x, Aug 2023. **(WoS)**.
 14. **G Sangeetha.,** Suresh, T., Assegie, T.A., Mothukuri, R., Salau, A.O.," **Explainable extreme boosting model for breast cancer diagnosis**", Multimedia Tools and Application, Doi: 10.11591/ijece.v13i5.pp5764-5769, Sep 2023. **(Scopus)**.

15. **G Sangeetha.,** V. Gokula Krishnan, B. S. Liya, S. Venkata Lakshmi,K. Sathyamoorthy, "**Monkeypox Detection Using Hyper-Parameter Tuned Based Transferable CNN Model**", International Journal of Experimental Research and Review, Vol No:33, Doi: 10.52756/ijerr.2023.v33spl.003, Sep 2023. **(Scopus).**
16. **Dr. V. Vijayaraja;** Krishnan, V.G., Siva, D., Hemamalini, S., Sivakumar, N., "**Sparrow Search Algorithm based BGRNN Model for Animal Healthcare Monitoring in Smart IoT**", International Journal on Recent and Innovation Trends in Computing and Communication, Vol:11, Issue No:7, Doi: 10.17762/ijritcc.v11i7.7830, Sep 2023. **(Scopus).**
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18. **G Sangeetha.,** Tamilarasi Suresh, Tsehay Admassu Assegie, Ravulapalli Lakshmi Tulasi, Radha Mothukuri, Ayodeji Olalekan Salau, "**Explainable extreme boosting model for breast cancer diagnosis**", International Journal of Electrical and Computer Engineering (IJECE), Vol No:13, Issue No:5, Doi: 10.11591/ijece.v13i5.pp5764-5769, Oct 2023. **(Scopus).**
19. **Mary Selvan,** Mahesh Prasanna K, Deepa R, D. Suganthi,B. Uma Maheswari,Parul Madan , "**Use of Self-Organizing Kohonen Maps for quantization of Tomography images**", 023 4th International Conference on Smart Electronics and Communication (ICOSEC) in Science, Engineering and its Applications , Doi: 10.1109/ICOSEC58147.2023.10275951, Oct 2023. **(Scopus).**
20. **A.Jency,** Vaishali Gajendra Shende, K. Pavithra, K. Pavithra, G.Venkatesan, G.Venkatesan, "**Detection of Behavioral Patterns of Viral Hepatitis Using Data Mining**", 023 4th International Conference on Smart Electronics and Communication (ICOSEC) in Science, Engineering and its Applications , Doi: 10.1109/ICOSEC58147.2023.10276322, Oct 2023. **(Scopus).**
21. **Josephine Shermila. P.,** V. Seethalakshmi P. Sujatha Therese M. Devaki, "**SOOTYDEEPFIC: Food Item Classification Using Sooty Tern optimized Deep Learning Network**", IJIES, Vol No:17, Issue No:1, Doi: 10.22266/ijies2024.0229.65, Jan 2024. **(Scopus).**
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23. **L. Maria Michael Visuwasam**, K.V. Kishore; D. Dhinakaran; N. Jagadish kumar; S. M. Udhaya Sankar; K. Chandu **"Fish Farm Monitoring System Using IoT"**, IEEE, Doi: 10.1109/ICSCAN58655.2023.10395013, Jan 2024. **(Scopus)**.
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25. **Dr. Prathusha Laxmi.**, Gokula Krishnan, V., Vikranth, B., Sumithra, M, Shyamala Gowri, B. **"Smart Farming with Sooty Tern Optimization based LS-HGNet Classification Model"**, International Journal of Experimental Research and Review, Vol No:37, Doi: 10.52756/ijerr.2024.v37spl.008, Mar 2024. **(Scopus)**.
26. **G Sangeetha.**, **"Enabling secure modern web browsers against cache-based timing attacks"**, International Journal of Security and Networks, Vol No:19, Issue No:1, Doi: 10.1504/IJSN.2024.137330, Mar 2024. **(Scopus)**.
27. **Josephine Shermila. P.**, Akila Victor, S. Oswalt Manoj & E. Anna Devi, **"Automatic detection and classification of disease in citrus fruit and leaves using a customized CNN based model"**, BOLETIN LATINOAMERICANO Y DEL CARIBE DE PLANTAS MEDICINALES Y AROMÁTICAS, Doi: 10.37360/blacpma.24.23.2.13, Mar 2024. **(Scopus)**.
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29. **G.Mageshwari**, S.Karthick Murugan, S. Jayachandran, J. Latha, Naveen G **"Sentimental Insight 2.0: Exploring the Frontiers of Opinion Mining with Deep Learning"**, International Conference on Distributed Computing and Optimization Techniques (ICDCOT), Doi: 10.1109/ICDCOT61034.2024.10515707, May 2024. **(Scopus)**.
30. **Karpagam.T**, Nallasivan, G, Geetha, M., ...Bhuvanesh, A., Poojitha, G. **"Security and Privacy Considerations in Multimedia Resource Management Using Hybrid Deep Learning Techniques in Cloud Computing"**, International Journal of Intelligent Engineering and Systems, Doi: 10.22266/ijies2024.0630.20, May 2024. **(Scopus)**.