

# **Prasad V. Potluri Siddhartha Institute of Technology, Kanuru**

Department of Computer Science & Engineering

**Publications of 2023-24**

**Papers Published in Journals: 27**

**SCI/Web Of Science: 12**

1. Dr.P.Naga Srinivasu published a paper “A Software Framework for Intelligent Security Measures Regarding Sensor Data in the Context of Ambient Assisted Technology” in Sensors, Vol-23, July-23, ISSN: 1424-8220 **(SCI) (SCOPUS)**
2. Dr.Naga Srinivasu published a paper “A unified metering system deployed for water and energy monitoring in smart city” in IEEE Access, July-23, ISSN: 2169-3536 **(SCI) (SCOPUS)**
3. Dr.S.Phani Praveen published a paper “Novel Heuristic Optimization Technique to Solve Economic Load Dispatch and Economic Emission Load Dispatch Problems”, in Electronics, Vol-12, Issue-13, July-23 with ISSN: 2079-9292 **(SCI) (SCOPUS)**
4. Dr.S.Phani Praveen and Dr.P.Naga Srinivasu published a paper “Statistical Analysis of Design Aspects of Various YOLO-Based Deep Learning Models for Object Detection” in International Journal of Computational Intelligence Systems, Vol-16, Issue-1, Aug-23, with ISSN: 1875-6883 **(SCI) (SCOPUS)**
5. Ms.Y.Manasa published a paper “Recognition of home activities for incomplete spinal cord injury areas utilizing models of hidden Markov simulation” in Signal, Image and Video Processing, Sep-23, Vol-17, Issue-6, with ISSN: 1863-1711 **(SCI) (SCOPUS)**
6. Dr.K.Koteswararao published a paper “Experimental Investigations to Detection of Liver Cancer Using ResUNet” in Traitement du Signal, Vol-40, Issue-5, Oct-23 with ISSN: 1958-5608 **(SCI) (SCOPUS)**
7. Dr.R.Daniel published a paper “Ensemble Learning with Tournament Selected Glowworm Swarm Optimization Algorithm for Cyber bullying Detection on Social Media” in IEEE Access, Vol-11, Oct-23 with ISSN: 2169-3536 **(SCIE) (SCOPUS)**
8. Dr.K.Jyothsna Devi published a paper “ Secure transmission of medical images in multi-cloud e-healthcare applications using data hiding scheme” in Journal of Information Security and Applications, Vol-79 with ISSN: 2214-2126 **(SCI) (SCOPUS)**

9. Dr.K.Jyothsna Devi published a paper “Robust and Secure Medical Image Watermarking for Edge-enabled e-Healthcare”, in IEEE Access, Vol-4, Nov-23 with ISSN: 2169-3536 **(SCI) (SCOPUS)**
10. Dr.P.Naga Srinivasu, Ms.U.Sirisha and Dr.S.Phani Praveen published a paper “ An Interpretable Approach with Explainable AI for Heart Stroke Prediction” in Diagnostics, Vol-14, Issue-2, Jan-24 with ISSN:2075-4418 **(SCIE) (SCOPUS)**
11. Dr.S.Phani Praveen published a paper “Coalescing novel QoS routing with fault tolerance for improving QoS parameters in wireless Ad-Hoc network using craft protocol” in Wireless Networks, Vol-30, Issue-2, Feb-24 with ISSN: 1572-8196 **(SCI) (SCOPUS)**
12. Dr.B.N.Swamy and Dr.S.Phani Praveen published a paper “Designing a modified feature aggregation model with hybrid sampling techniques for network intrusion detection”, in Cluster Computing with ISBN:1573-7543 **(SCI) (SCOPUS) (Article in Press)**

## **SCOPUS: 12**

13. Dr.R.Daniel published a paper “Optimizing Routing in Nature-Inspired Algorithms to Improve Performance of Mobile Ad-Hoc Network”, in International Journal of Intelligent Systems and Applications in Engineering, Vol-11, Issue-8s, July-23 with ISSN: 2147-6799 **(SCOPUS)**
14. Dr.S.Phani Praveen published a paper “A Novel Dual Confusion and Diffusion Approach for Grey Image Encryption using Multiple Chaotic Maps” in International Journal of Advanced Computer Science and Applications, Vol-14, Issue-8, Aug-23, with ISSN: 2156-5570 **(SCOPUS)**
15. Dr.N.V.Ramana Gupta published a paper “Enhancing low latency and high performance in clustered-based wireless sensor network routing using genetic algorithm for 5G networks” in Optical and Quantum Electronics, Vol-55, Issue-12, Sep-23 with ISSN: 1572-817X **(SCOPUS)**
16. Ms.U.Sirisha published a paper “ Word Embedding for Text Classification: Efficient CNN and Bi-GRU Fusion Multi Attention Mechanism”, in EAI Endorsed Transactions on Scalable Information Systems, Vol-10, Issue-6 with ISSN: 2032-9407, Sep-23 **(SCOPUS)**
17. Ms.D.Swapna and Dr.S.Phani Praveen published a paper “Security and risk analysis in the cloud with software defined networking architecture”, in International Journal of Electrical and Computer Engineering, Vol-13, Issue-5 with ISSN: 5550-5559, Oct-23 **(SCOPUS)**
18. Dr.J.Rama Devi published a paper “AI enabled value-oriented collaborative learning: Centre for innovative education”, Vol-34, Issue-2 with ISSN: 1047-8310, Oct-23 **(SCOPUS)**
19. Mr.A.Yuva Krishna and Dr.S.Phani Praveen published a paper “Ant Colony Optimized XGBoost for Early Diabetes Detection: A Hybrid Approach in Machine Learning” in Journal of Intelligent Systems and Internet of Things, Vol-10, Issue-2 with ISSN:2690-6791 Oct-23 **(SCOPUS)**
20. Dr.B.N.Swamy and Dr.S.Phani Praveen published a paper “An Ensemble Learning Approach for detection of Chronic Kidney Disease (CKD)” in Journal of Intelligent Systems and Internet of Things, Vol-10, Issue-2, Oct-23 with ISSN: 2690-6791 **(SCOPUS)**
21. Ms.A.Madhuri, Ms.U.Sirisha and Dr.S.Phani Praveen published a paper “Effective Disaster Management Through Transformer-Based Multimodal Tweet Classification”, in Revue d'Intelligence Artificielle, Vol-37, Issue-5, Oct-23 with ISSN: 0992-499X. **(SCOPUS)**

22. Dr.R.Daniel published a paper “Analysis of fuzzy and neural controllers in direct torque controlled synchronous motors” in Indonesian Journal of Electrical Engineering and Computer Science, Vol-32, Issue-2, Nov-23 with ISSN: 2502-4760 (**Scopus**)
23. Dr.M.Sailaja published a paper “Analysis of High Temperature Effects on InAs/In<sub>0.3</sub>Al<sub>0.7</sub>As/InSb/In<sub>0.3</sub>Al<sub>0.7</sub>As pHEMTs on Accessing RF/Analog performance: A Machine Learning Predictive Modeling” in Transactions on Electrical and Electronic Materials, Vol-24 Issue-5 Nov-23 with ISSN 2092-7592 (Online Published) (**SCOPUS**)
24. Mr.A.Yuva Krishna published a paper “Dry Eye Disease Classification Using AlexNet Classifier” in International Journal of Intelligent Systems and Applications in Engineering (IJISAE), Vol-12, Issue-7s, Jan-24 with ISSN: 2147-6799 (**SCOPUS**)

**Others: 3**

25. Dr.R.Daniel published a paper “Face Recognition Using the Eigen Face Algorithm to Support Smart Voting” in Journal of Advanced Zoology, Vol-44, Issue-2, Oct-23 with ISSN: 0253-7214
26. Dr.S.Phani Praveen published a paper “Outlier Management and its Impact on Diabetes Prediction: A Voting Ensemble Study” in Journal of Intelligent Systems and Internet of Things, Vol-12, Issue-1 with ISBN:2690-6791, Feb-24
27. Dr.S.Phani Praveen published a paper “Enhancing Real-Time Malware Analysis with Quantum Neural Networks” in Journal of Intelligent Systems and Internet of Things, Vol-12, Issue-1 with ISBN:2690-6791, Feb-24

# **Prasad V. Potluri Siddhartha Institute of Technology, Kanuru**

Department of Computer Science & Engineering

**Publications of 2023-24**

**Papers Published in Conferences: 15**

**SCIE/Web of Science: 0**

**SCOPUS: 15**

1. Mr.D.Lokesh Sai Kumar and Dr.S.Phani Praveen presented and published a paper “Predicting Buy and Sell Signals for Stocks using Bollinger Bands and MACD with the Help of Machine Learning” in 2023 International Conference on Sustainable Computing and Smart Systems (ICSCSS)”, July-23 with ISBN: 979-8-3503-3360-2 (**SCOPUS**)
2. Dr.S.Madhavi and Dr.N.V.Ramana Gupta presented and published a paper “Enhanced Deep Convolutional Neural Networks for Facial Mask Recognition using MobileNetV2 Transfer Learning Techniques”, in 2nd International Conference on Edge Computing and Applications (ICECAA) , July-23, with ISBN: 979-8-3503-4757-9 (**SCOPUS**)
3. Dr.Rama Devi Jujjuri presented and published a paper “ Detection of face mask using sequential convolution neural network framework” in International Conference On Research Advancements and Innovations in Computing, Communications and Information Technologies, July-23 with ISBN: 978-0-7354-4584-0 (**SCOPUS**)
4. Dr.R.Daniel presented and published a paper “Class Imbalance of Bio-Medical Data by Using PCA-Near Miss for Classification”, in 2023 5<sup>th</sup> International Conference on Inventive Research in Computing Applications (ICIRCA), Aug-23 with ISBN: 979-8-3503-2142-5 (**SCOPUS**)
5. Dr. M. Sailaja, Dr. G. Lalitha Kumari, Dr. K. Koteswara Rao, Ms. Y Surekha presented and published a paper “ Crop Yield Prediction Based on Machine Learning Techniques”, in International Conference on Circuit Power and Computing Technologies (ICCPCT), Sep-23 with ISBN: 979-8-3503-3324-4 (**SCOPUS**)
6. Mr.B.Vishnu Vardhan and Mr.B.Vinay Kumar presented and published a paper “Detection of Asperger Syndrome at Early Stages in Children Using Deep Neural Networks” in 8th International Conference on Communication and Electronics Systems (ICCES 2023), Aug-23 with ISBN: 979-8-3503-9663-8 (**SCOPUS**)
7. Mr.B.Vishnu Vardhan presented and published a paper “Modern Progressive Pitfalls of Cyber Attacks on the Digital World”, in 2<sup>nd</sup> International Conference on Edge Computing and Applications (ICECAA 2023), Aug-23 with ISBN: 979-8-3503-4757-9 (**SCOPUS**)

8. Dr.S.Phani Praveen and Dr.P.Naga Srinivasu presented and published a paper “Combining CNNs and Bi-LSTMs for Enhanced Network Intrusion Detection: A Deep Learning Approach” in 3<sup>rd</sup> International Conference on Computing and Information Technology (ICCIT), Sep-23 with ISBN: 979-8-3503-2148-7 (**SCOPUS**)
9. Ms.P.Dedeepya presented and published a paper “Enhancing Cyber Bullying Detection using Convolutional Neural Network” in 4<sup>th</sup> International Conference on Smart Electronics and Communication (ICOSEC-2023), Sep-23 with ISBN: 979-8-3503-0088-8 (**SCOPUS**)
10. Dr.P.Sai Kiran presented and published a paper “Violence Prediction System Using Bi-LSTM” in 3<sup>rd</sup> International Conference on Pervasive Computing and Social Networking (ICPCSN), Oct-23, at Salem, with ISBN: 979-8-3503-2285-9 (**SCOPUS**)
11. Dr.P.Sai Kiran presented and published a paper “Automatic Toll Collection using Vehicle Number Recognition System” in 3<sup>rd</sup> International Conference on Pervasive Computing and Social Networking (ICPCSN), Oct-23, at Salem, with ISBN: 979-8-3503-2285-9 (**Scopus**)
12. Dr.S.Phani Praveen presented and published a paper “Big Mart Sales using Hybrid Learning Framework with Data Analysis” in 2023 2<sup>nd</sup> International Conference on Automation, Computing and Renewable Systems (ICACRS), Dec-23 (**Scopus**)
13. Dr.S.Phani Praveen and Ms.D.Swapna presented and published a paper “ResNet and ResNeXt-Powered Kidney Tumor Detection: A Robust Approach on a Subset of the KAUH Dataset” in 2023 2<sup>nd</sup> International Conference on Automation, Computing and Renewable Systems (ICACRS), Dec-23 (**SCOPUS**)
14. Dr.S.Phani Praveen presented and published a paper “Diabetes Prediction with Ensemble Learning Techniques in Machine Learning” in 2023 2<sup>nd</sup> International Conference on Automation, Computing and Renewable Systems (ICACRS), Dec-23 (**SCOPUS**)
15. Ms.P.Dedeepya presented and published a paper “Image Recognition and Similarity Retrieval with Convolutional Neural Networks” in 2<sup>nd</sup> Conference on Automation, Computing and Renewable Systems (ICACRS-2023), Dec-23 (**SCOPUS**)