Prasad V. Potluri Siddhartha Institute of Technology, Kanuru

Department of Computer Science & Engineering

Publications of 2022-23

Papers Published in Journals: 55

SCI/SCIE: 19

1. Dr. P Naga Srinivasu published a paper "Probabilistic Buckshot-Driven Cluster Head Identification and Accumulative Data Encryption in WSN", in Journal of Circuits, Systems and Computers, Vol.31, Issue. 17, pp. 1-29, 2022, ISSN: 2169-3536 **(Scopus) (SCIE)**

2. Dr. P Naga Srinivasu published a paper "6G Driven Fast Computational Networking Framework for Healthcare Applications," in IEEE Access, Vol.10, pp. 94235-94248, 2022, doi: 10.1109/ACCESS.2022.3203061. ISSN: 2169-3536 **(Scopus) (SCIE)**

3. Dr. P Naga Srinivasu published a paper "Automatic Data Clustering by Hybrid Enhanced Firefly and Particle Swarm Optimization Algorithms," Mathematics, vol. 10, No. 3532. https://doi.org/10.3390/math10193532 **(Scopus) (SCIE)**

4. Dr.K.Koteswara Rao and Dr.G.Lalitha Kumari published a paper "A Novel Deep Convolutional Neural Network for Diagnosis of Skin Disease" in Traitement du Signal, Vol-39, No-5, Nov-22, ISSN: 1958-5608 **(SCIE) (Scopus)**

5. Mr.P.Naga Srinivasu published a paper "AAL and Internet of Medical Things for Monitoring Type-2 Diabetic Patients " in Diagnostics, MDPI, Vol-12, Issue-11, Nov-22 ISSN:2075-4418 **(Scopus) (SCI)**

6. Mr.P.Naga Srinivasu published a paper "XAI Framework for Cardiovascular Disease Prediction Using Classification Techniques" in Electronics, MDPI , Vol-11, Issue-24, Dec-22 ISSN:2079-9292 **(Scopus) (SCI)**

7. Mr.P.Naga Srinivasu published a paper "Using Recurrent Neural Networks for Predicting Type-2 Diabetes from Genomic and Tabular Data" in Diagnostics, MDPI, Vol-12, Issue-12, Dec-22 ISSN:2075-4418 **(Scopus) (SCI)**

8. Dr.S.Phani Praveen and Dr.P.Naga Srinivas published a paper " ResNet-32 and FastAI for diagnoses of duetal carcinoma from 2D tissue slides" in Scientific Reports, Vol-12, No-1, Dec-22, ISSN: 2045-2322 **(SCIE) (Scopus)**

9. Dr.S.Madhavi published a paper " Optimal Remote Qubit Teleportation Using Node2vec" in Technical Gazatte, Vol-30, No-1, Jan-23, ISSN: 1330-3651 **(SCIE) (Scopus)**

10. Dr.S.Phani Praveen published a paper "IOT-Enabled Healthcare Data Analysis in Virtual Hospital Systems Using Industry 4.0 Smart Manufacturing" in International Journal of Pattern Recognition and Artificial Intelligence, Vol-37, Issue-2 ,Feb-2023, ISSN:1793-6381 **(SCI) (Scopus)**

11. Mr.D.Lokesh Sai Kumar published a paper "Factors determining customers desire to analyse supply chain management in intelligent IoT" in Journal of Combinatorial Optimization, Vol-45, Issue-3, with ISSN:1573-2886 **(SCI) (Scopus)**

12. Ms.T.Sree Lakshmi published a paper "Hyper Parameter Optimization for Transfer Learning of ShuffleNetV2 with Edge Computing for Casting Defect Detection" in Journal of Scientific & Industrial Research, Vol-82, Feb-2023, with ISSN: 0022-4456 **(SCI) (Scopus)**

13. Dr.K.Koteswararao, Dr.G.Lalitha Kumari and Ms.Y.Surekha published a paper " Empirical Investigations to Skin Lesion Detection Using DenseNet Convolutional Neural Network" in Traitement du Signal, Vol-40, Issue-2, April-23 with ISSN:0765-0019 **(SCI)**

14. Dr.J.Rama Devi published a paper "Evaluation of estimation in software development using deep learning-modified neural network", in Applied Nano Science, Vol-13, Issue-3, Mar-23, with ISSN:2190-5517 **(SCIE)**

15. Ms.Y.Manasa published a paper "Prediction of patient's neurological recovery from cervical spinal cord injury through XGBoost Learning approach" in European Spine Journal, Vol-32, Issue-6, Jun-23, ISSN:1432-0932 **(SCIE) (Scopus)**

16. Dr.P.Naga Srinivasu published a paper "TFAD: TCP flooding attack detection in software-defined networking using proxy-based and machine learning-based mechanisms" in Cluster Computing, April-23, Vol-26, Issue-2, with ISSN:2180-1266 **(SCI) (Scopus)**

17. Dr.R.Daniel published a paper "Quantum Dwarf Mongoose Optimization With Ensemble Deep Learning Based Intrusion Detection in Cyber-Physical Systems" in IEEE Access, Vol-11, Jun-23, ISSN:2169-3536 **(SCI) (Scopus)**

18. Mr.P.Naga Srinivasu published a paper "A Transfer learning-based system for grading breast invasive ductal carcinoma" in IET Image Processing, Oct-22 ISSN:1751-9667 **(Scopus) (SCI)**

19. Dr.S.Phani Praveen published a paper "6G assisted federated learning for continuous monitoring in wireless sensor network using game theory" in Wireless Networks, Feb-2023, ISSN:1572-8196 **(SCI) (Scopus) Article in Press**

SCOPUS: 30

1. Mr.B.Vishnu Vardhan published a paper "Soil Moisture Retrieval Using Sail Squirrel Search Optimization-based Deep Convolution Neural Network with Sentinel-1 Images" in International Journal of Image and Graphics, September-22, ISSN:0219-4678 **(Scopus)**

2. Dr.A.Jaya Lakshmi published a paper "Swarm Based Optimization for Image Dehazing from Noise Filtering Perspective" in Ingeniere des Systemes d'Information, Vol-27, Issue-4, Aug-2022, with ISSN: 1633-1311 **(Scopus)**

3. Dr.S.Phani Praveen published a paper "Multi-Features Disease Analysis Based Smart Diagnosis for COVID-19", in Computer Systems Science & Engineering, Vol-45, No-1, Aug-2022, ISSN:0267-6192 **(Scopus)**

4. Dr.S.Phani Praveen published a paper "An Efficient Unsupervised Learning Approach for Detecting Anomaly in Cloud", in Computer Systems Science & Engineering, Vol-45, No-1, Aug-2022, ISSN:0267-6192 **(Scopus)**

5. Ms.A.Ramana Lakshmi published a paper "Monitoring system of agricultural performance based on multisensor data and cross-validation technique in merging temporal images", in Agrnomy Journal : Advances in Remote Sensing for Precision Agriculture, Vol-115, Issue-1, ISSN:1435-0645 **(Scopus)**

6. Dr.P.Naga Srinivasu published a paper "Variational Autoencoders-BasedSelf-Learning Model for Tumor Identification and Impact Analysis from 2-D MRI Images", in Journal of Healthcare Engineering, Vol-23, ISSN: 2040-2295 **(Scopus)**

7. Dr.S.Madhavi published a paper "Method for Quantum Denoisers Using Convolutional Neural Network", in Hindawi, Computational Intelligence and Neuroscience, Vol-2022, Oct-2022, ISSN: 1687-5273 **(Scopus)**

8. Dr.K.Koteswararao published a paper " Prioritization of Test Cases in Software Testing Using M^2 H^2 Optimization", in International Journal of Modern Education and Computer Science, Vol-15, Issue-5, Oct-2022, ISSN: 2075-0161 **(Scopus)**

9. Ms.Y.Manasa published a paper " Using Mutli-Label Multi-Class Support Vector Machines with Semantic and Lexical Features for Aspect Category Detection" in International Journal on Recent and Innovation Trends in Computing and Communication, Vol-10, Issue-11, Oct-2022, ISSN:2321-8169 **(Scopus)**

10. Ms.A.Ramana Lakshmi published a paper "Chemical Mining using Big Data Image Analytics with Deep Three-Dimensional Convolutional Neural Network" in European Chemical Bulletin, Vol-11, Issue-11, Nov-22, ISSN: 2063-5346 **(Scopus)**

11. Ms.A.Divya published a paper "Disease Prediction Based on Symptoms Given by Using Machine Learning", in SN Computer Science, Oct-2022, Volume-3, Issue-6, ISSN: 2661-8907 **(Scopus)**

12. Dr.P.Sai Kiran published a paper "Empirical Study on Fungal Diseases in various plants using different Deep Learning Applications" in Journal of Theoretical and Applied Information Technology, Vol-100, Issue-21, ISSN:1817-3195 **(Scopus)**

13. Dr.S.Phani Praveen published a paper "A Hybrid Gravitational Emulation Local Search-Based Algorithm for Task Scheduling in Cloud Computing" in Mathematical Problems in Engineering, Feb-2023, Vol-2023, ISSN:1563-5147**(Scopus)**

14. Mr.M.Ram Gopal published a paper "Masked Facial Recognition in Security Systems Using Transfer Learning" in SN Computer Science, Jan-2023, Volume-4, Issue-1, ISSN: 2661-8907 **(Scopus)**

15. Dr.M.Sailaja published a paper "Applications of Machine Learning in for Fake News Detection in Social Networks" in International Journal of Trends in Computing and Communication, Vol-20, Issue-2s, Dec-22, ISSN:2321-8169 **(Scopus)**

16. Ms.D.Sree Lakshmi and Ms.A.Divya published a paper "A Study and Analysis of Pedestrian Detection and Tracking Through Rear-View Images" in Ingenierie des Systemes d'Information, Vol-28, Issue-1, April-23 with ISSN:1633-1311 **(Scopus)**

17. Ms.Y.Surekha, Dr.K.Koteswararao and Dr.G.Lalitha Kumari published a paper " Prediction of chronic kidney disease with machine learning models and feature analysis using SHAP" in Revue Intelligence Artificielle, Vol-37, Issue-2, Apr-2023 with ISSN: 0992-499X **(Scopus)**

18. Ms.D.Swapna published a paper "Block chain – based voter registry management system" in International Journal of Advanced Technology and Engineering Exploration, Vol-10, Issue:101, with ISSN: 2394-7454 **(Scopus)**

19. Mr.N.V.Ramana Gupta published a paper "Optimizing student engagement in edge-based online learning with advanced analytics" in Array:Elsevier, Vol-19, June-23, ISSN:2590-0056 **(Scopus)**

20. Ms.D.Swapna published a paper "Security Model for Cloud Services Based on a Quantitative Governance Modelling Approach" in Journal of Theoretical and Applied Information Technology, Vol-101, Issue-7, Apr-2023 with ISSN: 1817-3195 **(Scopus)**

21. Mr.P.Anil Kumar published a paper "Image Segmentation Based On Tint Using Data Mining Techniques" in Journal of Theoretical and Applied Information Technology, Vol-101, Issue-11, May-2023 with ISSN: 1817-3195 **(Scopus)**

22. Dr.G.Lalitha Kumari, Dr.K.Koteswararao and Ms.Y.Surekha published a paper "Autism Spectrum Disorder Detection Using Facial Images and Deep Convolutional Neural Networks" in Revue d'Intelligence Artificielle, Vol-37, No-3, June-2023 with ISSN: 0992-499X **(Scopus)**

23. Ms.A.Madhuri and Dr.S.Phani Praveen published a paper "Granulation-Based Data Fusion Approach for a Critical Thinking World View Information Processing", in Journal of Intelligent Systems and Internet of Things, Vol-9, Issue-1, June-23, ISSN: 2690-6791**(Scopus)**

24. Dr.S.Phani Praveen published a paper "A Novel Approach for Enhance Fusion Based Healthcare System In Cloud Computing" in Journal of Intelligent Systems and Internet of Things, Vol-9, Issue-1, June-23 with ISSN: 2690-6791 **(SCOPUS)**

25. Dr.S.Phani Praveen and Dr.P.Naga Srinivasu published a paper "Software-driven secure framework for mobile healthcare applications in IoMT" in Intelligent Decision Technologies, Vol-17, Issue-2, July-23, with ISSN: 1872-4981 **(SCOPUS)**

26. Dr.S.Phani Praveen published a paper "A Novel Classification Approach for Grape Leaf Disease Detection Based on Different Attention Deep Learning Techniques" in International Journal of Advanced Computer Science and Applications, Vol-14, Issue-6, June-23 with ISSN: 2156-5570 **(SCOPUS)**

27. Mr.L.V.Krishna Rao published a paper "Evaluative Study of Machine Learning Classifiers in Predicting Heart Failure: A Focus on Imbalanced Datasets", in International Information and Engineering Technology Association, Vol-28, No-3, June-23, ISSN: 1633-1311 **(Scopus)**

28. Dr.S.Phani Praveen published a paper " A robust framework for handling health care information based on machine learning and big data engineering techniques" in International Journal of Healthcare Management, Dec-22, ISSN: 2047-9719 **(ESCI) (Scopus) (Article in Press)**

29. Dr.S.Phani Praveen published a paper "Chronic Kidney Disease Prediction Using ML-Based Neuro-Fuzzy Model" in International Journal of Image and Graphics, ISSN: 0219-4678 **(ESCI) (Scopus) (Article in Press)**

30. Dr.S.Phani Praveen published a paper "COVID-19 EDA analysis and prediction using SIR and SEIR models" in International Journal of Healthcare Management, Oct-2022, ISSN:2047-9719 **(Scopus)) (ESCI) (Article in Press)**

Others: 6

1. Ms.A.Ramana Lakshmi published a paper " Intelligent Financial Fraud Detection using NODE2VEC and Machine Learning Models" in Advanced Engineering Science, Vol-54, Issue-2, Dec-22, ISSN: 2096-3246

2. Dr.A.Jaya Lakshmi published a paper "Image De-Hazing based on Krill Herd Optimization Algorithm" in Intelligent Systems and Applications in Engineering ,Vol-11, Issue-1, Jan-23, with ISSN:2147-6799

3. Ms.A.Ramana Lakshmi published a paper "A Chatbot for Disease Prediction and Diet Recommendation using Natural Language Processing" in Journal of Information and Computational Science", Vol-13, Issue-6, June-23, ISSN: 1548-7741

4. Ms.A.Ramana Lakshmi published a paper "Plan Leaf Disease Detection and Fertilizer Recommendation using Deep Learning", Vol-9, Issue-6, June-23, ISSN: 2455-3778.

5. Dr.R.Daniel published a paper "Modified Metaheuristics with Transfer Learning Based Insect Pest Classification for Agricultural Crops", in Computer Systems Science and Engineering, Vol-46, Issue-3, April-23, ISSN:0267-6192

6. Dr.R.Daniel published a paper "ENHANCING ROUTING IN SENSOR NETWORKS USING DFO-PEG", in Dogo Rangsang Research Journal, Vol-13, Issue-4, April-23, ISSN:2347-7180

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Publications of 2022-23

Papers Published in Conferences: 27

1. Dr.S.Phani Praveen published a paper "Sentiment Analysis using deep learning for use in recommendation systems of various public media applications ", in 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC), 17th – 19th Aug-2022, ISBN: 978-1-6654-7971-4 **(Scopus)**

2. Dr.S.Phani Praveen published a paper "A Generalized Model for Identifying Fake Digital Images through the Application of Deep Learning", in 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC), 17th – 19th Aug-2022, ISBN: 978-1-6654-7971-4 **(Scopus)**

3. Ms.T.Sri Lakshmi and Dr.B.Lakshmi Ramani presented and published a paper "An Ensemble Model to Detect Parkinson's Disease Using MRI Images" in International Conference on Information Systems Design and Intelligent Applications, Vol-494, ISBN:978-981-19-4863-3. **(Scopus)**

4. Dr.S.Phani Praveen presented and published a paper "An Adaptive Load Balancing Technique for Multi SDN Controllers" in International Conference on Augmented Intelligence and Sustainable Systems (ICAISS), ISBN: 978-1-6654-8962-1. **(Scopus)**

5. D.Lokesh Sai Kumar presented and published a paper "Secured Data Access Management for Cyber Threats using Artificial Intelligence" in 6th International Conference on Electronics, Communication and Aerospace Technology, ISBN: 978-1-6654-8271-4 **(Scopus)**

6. Ms.D.Swapna and Dr.S.Phani Praveen presented and published a paper "Brain Metastasis Tumor Detection using Image Segmentation and VGG16 Architecture", in 5th International Conference on Smart Systems and Inventive Technology (ICSSIT 2023) with ISNB: ISBN: 978-1-6654-7467-2 **(Scopus)**

7. Dr.S.Phani Praveen and Ms.D.Swapna presented and published a paper "Network Monitoring Model based on Convolutional Neural Networks for Unbalanced Network Activity" in 5th International Conference on Smart Systems and Inventive Technology (ICSSIT 2023) with ISNB: ISBN: 978-1-6654-7467-2 **(Scopus)**

8. Mr.D.Lokesh Sai Kumar and Ms.A.Madhuri presented and published a paper "CNN based Mood Detection using Facial Expression" 5th International Conference on Smart

Systems and Inventive Technology (ICSSIT 2023) with ISNB: ISBN: 978-1-6654-7467-2 **(Scopus)**

9. Ms.P.Dedeepya and Dr.S.Phani Praveen presented and published a paper "Detecting Cyber Bullying on Twitter using Support Vector Machine" in 3rd International Conference on Artificial Intelligence and Smart Energy (ICAIS 2023), 2-4 Feb-2023, with ISBN: 978-1-6654-6216-7 **(Scopus)**

10. Ms.A.Madhuri and Mr.D.Lokesh Sai Kumar presented and published a paper " Pneumonia Detection and Classification using Hybrid Convolution Neural Network and Machine Learning Classifiers" in 3rd International Conference on Artificial Intelligence and Smart Energy (ICAIS 2023), 2-4 Feb-23, ISBN:978-1-6654-6216-7 **(Scopus)**

11. Dr.N.V.Ramana Gupta presented and published a paper "A Medical Model Built on Machine Learning to Evaluating the Relationship between the Depression and Living Standards" in 7th International Conference on Computing Methodologies and Communication(ICCMC), 23-24 Feb-2023, with ISBN: 978-1-6654-6408-6 **(Scopus)**

12. Ms.A.Madhuri presented and published a paper "Statistical Analysis of Design Aspects on Various Graph Embeddig Learning Claissfiers" in 7th International Conference on Computing Methodologies and Communication (ICCMC), 23-24 Feb-23, ISBN:978-1-6654-6408-6 **(Scopus)**

13. Dr.K.Vijay Kumar, Y.Ayyappa and B.Vinay Kumar presented and published a paper "A scheme of long-term memory (LSTM)-CNN features extraction and spatial relationship to anonymize image and video for Privacy-Preserving Human Activity Recognition of Multiple Sequences of Data", in International Conference on Artificial Intelligence and Signal Processing, 18-20th March-23, ISBN: 979-8-3503-2074-9 **(Scopus)**

14. T.Sri Lakshmi presented and published a paper "Automated Driver Drowsiness Detection System using Computer Vision and Machine Learning", in 2nd International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2023), 23-25 March-23, ISBN:978-1-6654-9199-0 **(Scopus)**

15. Mr.A.Yuva Krishna and Mr.B.Vishnu Vardhan presented and published a paper "Disease Recognition of Crops using ResNet and MDFC-ResNet" in International Conference on Sustainable computing and Data Communication Systems, 23-25th Mar-2023,ISBN:978-1-6654-9199-0 **(Scopus)**

16. Mr.B.Vinay Kumar and Y.Ayyappa presented and published a paper "Building an Intelligent Brain Tumor System using Magnetic Resonance Imaging" in 2nd International Conference on Sustainable Computing and Data Communication Systems, 23-25th March-2023, ISBN: 978-1-6654-9199-0**(Scopus)**

17. Mr.A.Prasanth presented and published a paper " Analysis of Implementation of Artificial Intelligence in the sports Activity", in 8th International Conference on Science Technology Engineering and Mathematics (ICONSTEM), 6-7th April-2023, ISBN:979-8-3503-4779-1 **(Scopus)**

18. Mr.A.Prasanth presented and published a paper " Application of Cloud Computing and Big Data in Accounting Software", in 8th International Conference on Science Technology Engineering and Mathematics (ICONSTEM), 6-7th April-2023, ISBN:979-8-3503-4779-1 **(Scopus)**

19. Y.Manasa and Y.Ayyappa presented and published a paper " Extracting The Essence of Video Content: Movement Change based Video Summarization using Deep Neural Networks" in 7th International Conference on Trends in Electronics and Informatics(ICOEI 2023), 11-13 April-3, ISBN: 979-8-3503-9728-4 **(Scopus)**

20. Y.Ayyappa and B.Vinay Kumar presented and published a paper " Forecasting Equity using LSTM and BERT with Sentiment Analysis" in 2nd International Conference on Inventive Computation Technologies, 26-28th March-23, ISBN:979-8-3503-9849-6 **(Scopus)**

21. Ms.A.Divya presented and published a paper "Identification of Different Chronic Skin Conditions Using Deep Convolutional Neural Networks" in 1st International Conference on Advancement in Computation & Computer Technologies, 5-6th May-23, ISBN: 979-9648-5. **(Scopus)**

22. Dr.B.N.Swamy and Ms.Dedeepya presented and published a paper "Brain Tumor Detection using RCNN and MobileNet", in International Conference on Sustainable Computing and Smart Systems, 14-16th June -2023, ISBN:979-8-3503-3360-2**(Scopus)**

23. Dr.S.Madhavi presented and published a paper "Detection of Pneumonia and Tuberculosis using Deep Learning approach", in 8th International Conference on Communication and Electronics Systems (ICCES), June-23 with ISBN: 979-8-3503-9663-8 **(Scopus)**

24. Dr.J.Rama Devi presented and published a paper "Cloud Infrastructure Security Using a Hybrid AES Encryption Model" in Cloud Infrastructure Security Using a Hybrid AES Encryption Model, June-23, ISBN:978-981-99-1726-6 **(Scopus)**

25. K.Michael Sadguna Rao presented and published a paper " Crop Recommended System based on Ensemble Classifiers" in 2023 International Conference on Advancement in Computation and Computer Technologies, 5-6th May-2023, ISBN: 979-8-3503-9648-5**(Scopus)**

26. Ms.D.Sree Lakshmi presented and published a paper "Cardiovascular Disease Prediction Using Machine Learning" in 6th International Conference on Information Systems and Computer Networks, 3-4th Mar-23, ISBN: 979-8-3503-4696-1

27. Dr.M.V.Rama Krishna presented and published a paper "Machine Learning based Gait Recognition for Human Authentication" in International Conference on Sustainable computing and Data Communication Systems, 23-25th Mar-2023,ISBN:978-1-6654-9199-0

Book Chapters: 4

1. Ms.A.Madhuri, Ms.D.Swapna, Dr.S.Phani Praveen and Ms.T.Sri Lakshmi published a book chapter "Distributed Computing Meets Movable Wireless Communications in Next Generation Mobile Communication Networks" in Lecture Notes on Data Engineering and Communication Technologies, Sep-2022, ISBN: 978-981-19-3015-7 **(Scopus)**

2. Dr.S.Phani Praveen, A.Madhuri and D.Swapna presented and published a paper "Different Feature Selection Methods Performance Analysis for Intrusion Detection" in 5th International Conference on Smart Computing and Informatics (SCI-2021) ISBN: 978-981-16-9705-0 **(Scopus)**

3. Dr.B.Lakshmi Ramani and Ms.T.Sri Lakshmi presented and published a paper "Recognition of Hand Gesture-Based Sign Language Using Transfer Learning" in Lecture Notes in Networks and Systems, Oct-22, ISBN:978-981-19-1976-3. **(Scopus)**

4. Dr.J.Rama Devi published a book chapter "Detection of Cyber Crime Based on Facial Patterns Enhancement Using Machine Learning and Image Processing Techniques" in Book "Using Computational Intelligence for the Dark Web and Illicit Behavior Detection" July-2022, ISBN: 9781668464441 **(Scopus)**