



**Gokaraju Rangaraju Institute of Engineering and Technology**  
**(Autonomous)**

**Department of Computer Science and Engineering**

**Faculty Publication details**

Academic Year	No. of Publications				No. of Conference Proceedings	
	SCI/SCIE/ -ESCI	SCOPUS	UGC	Book Chapters	SCOPUS	UGC
2023-24	12	12	3	3	140	0
2022-23	16	20	5	6	65	0
2021-22	8	6	3	0	34	0
2020-21	5	23	04	0	25	0
2019-20	11	57	5	3	8	0
2018-19	0	23	24	0	11	18
2017-18	1	10	34	0	10	5
2016-17	0	4	36	0	7	10
2015-16	1	4	15	0	3	2
2014-15	0	2	12	0	3	8
<b>Total</b>	<b>54</b>	<b>161</b>	<b>141</b>	<b>12</b>	<b>306</b>	<b>43</b>
<b>Total(JP &amp; CP)</b>	<b>368</b>				<b>349</b>	
<b>Total Count</b>	<b>717</b>					
<b>Total Count</b>	<b>533 (excluding UGC Journals &amp; Conferences)</b>					



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**Faculty Publication details**

**(Academic Year 2023-24)**

## **JOURNAL PUBLICATIONS:**

### **SCI Journals**

1. **S. Govinda Rao (July 2023)**, A novel survival analysis of machine using fuzzy ensemble convolutional based optimal RNN Programming, Expert Systems With Applications, Volume 234,120966,ISSN 0957-4174, <https://doi.org/10.1016/j.eswa.2023.120966>, pp.1-13, IF:8.665
2. **B. Padma Vijetha Dev (October 2023)**, Revolutionary of secure lightweight energy efficient routing protocol for internet of medical things: a review, Multimedia Tools and Applications,<https://doi.org/10.1007/s11042-023-17069-z> IF:2.577
3. **D.Siri (December 2023)**, Segmentation using the IC2T model and Classification of Diabetic Retinopathy using the Rock Hyrax Swarm-Based Coordination Attention Mechanism, IEEE Access, Volume 11,2023, 10.1109/ACCESS.2023.3330436 (**Open Access**)
4. **Ashlin Deepa R N (December 2023)**, “A Reduced Feature-Set OCR System to Recognize Handwritten Tamil Characters using SURF Local Descriptor” International Journal of Advanced Computer Science and Applications(IJACSA), 14(10), 2023. IF:0.9 (**Open Access**)
5. **G. Ramesh, (December 2023)**, Enhanced Elliptic Curve- Diffe Hellman Technique with Bigdata Analytics for Satellite Image Security Enhancement in Internet of Things Systems, Earth Sci Inform (2023). <https://doi.org/10.1007/s12145-023-01194-2>. (**SCIE, Scopus**) Springer. IF:2.705
6. **G. Ramesh(December 2023)**, A hybrid methodology with learning-based approach for protecting systems from DDoS attacks, Journal of Discrete Mathematical Sciences & Cryptography ISSN 0972-0529 (Print), ISSN 2169-0065 (Online) Vol. 26 (2023), No. 5, pp. 1317–1325.DOI : 10.47974/JDMSC-1747 (**ESCI, Scopus**) Taylor & Francis. IF:0.45 (**Open Access**)
7. **G. Ramesh, et al., (January 2024)**, Computational intelligence techniques for energy efficient routing protocols in wireless sensor networks: A critique, Transactions on Emerging



Telecommunications Technologies, Volume35, Issue1, DOI: 10.1002/ett.4888 (SCIE, Scopus) Wiley. IF:3.31

8. **D.Siri (February 2024)**, "Analyzing Public Sentiment on the Amazon Website: A GSK-Based Double Path Transformer Network Approach for Sentiment Analysis," in IEEE Access, vol. 12, pp. 28972-28987, 2024, doi: 10.1109/ACCESS.2024.3368441.
9. **Madhavi K., Gajula Ramesh , Mallikarjuna Rao, C.(May 2024)**. Plant disease identification and pesticides recommendation using Dense Net. Cogent Engineering, 11(1). <https://doi.org/10.1080/23311916.2024.2353080>
10. **Ashlin Deepa R. N.**, (May 2024) Nearest quad-tree (NQT) classifier: a novel framework for handwritten character recognition, Cogent Engineering, 11:1, 2347363, DOI:10.1080/23311916.2024.2347363
11. **Padma Vijetha Dev Bakkaiahgari (June 2024)**,Advanced Authentication and Energy-Efficient Routing Protocol for Wireless Body Area Networks,J Journal of Circuits, Systems and Computers,2450239,10.1142/S0218126624502396
12. **Kathi Chandra Mouli, Ch. Mallikarjuna Rao, D.Ushasree, B. Indupriya, (June 2024)** Performance analysis of linear and non-linear machine learning models for forecasting compressive strength of concrete, Cogent Engineering, 11:1, 2368101, DOI: 10.1080/23311916.2024.2368101

### SCOPUS Journals

1. **S. Govinda Rao (September 2023)**, Intelligent System for Prediction of Potentially Hazardous Nearest Earth Objects Using Machine Learning, International Journal of Intelligent Systems and Applications in Engineering, 12(1s), 71–80, <https://ijisae.org/index.php/IJISAE/article/view/3396>. (Open Access)
2. **Y.Krishna Bhargavi, Bh.Prashanthi (August 2023)**, A Hybrid Machine Learning Model to Recognize and Detect Plant Diseases in Early Stages, International Journal on Recent and Innovation Trends in Computing and Communication,2321-8169, Volume: 11 Issue: 9, DOI: <https://doi.org/10.17762/ijritcc.v11i9s.7390> (Open Access)
3. **Madhavi Karanam and Krishna Chythanya Nagaraju (December 2023)**, Granite classification using machine learning and edge computing [version 1; peer review: 1 approved, 2 approved with reservations]. F1000Research 2022, 11:1276 <https://doi.org/10.12688/f1000research.124057.1>
4. **Ramesh, G.(December 2023)**. 5G Enabled Moving Robot Captured Image Encryption with Principal Component Analysis Method. International Journal on Recent and Innovation



Trends in Computing and Communication, 11(8), 252–258. DOI: <https://doi.org/10.17762/ijritcc.v11i8.7950>. (Open Access)

5. **P.Chandrasekhar Reddy (December 2023)** Impact of Image Processing and Deep Learning in IoT based Industrial Automation System, International Journal of Intelligent Systems and Applications in Engineering, ISSN:2147-6799 2024, 12(4s), 801–807 <https://ijisae.org/index.php/IJISAE/article/view/3865> (Open Access)

6. **G.Charles Babu (December 2023)**, Combination of Adaptive Neuro Fuzzy Inference System and Machine Learning Algorithm for Recognition of Human Facial Expressions, International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 14, No. 6, 2023, ISSN : 2156-5570 (Online) ISSN : 2158-107X (Print) DOI : 10.14569/issn.2156-5570 (Open Access)

7. **Lipika Goel (December 2023)**, Identification of Fake News Using Deep Neural Network-Based Hybrid Model, SN Computer Science Vol 4 issue 5 2662995X.

8. **Ch.Mallikarjuna Rao (December 2023)**, SPE: Ensemble Hybrid Machine Learning Model for Efficient Diagnosis of Brain Stroke towards Clinical Decision Support System (CDSS), International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING , ISSN:2147-6799 2147-6799 11(1), 339–347. (Open Access)

9. **Channabasamma (December 2023)**, Machine Learning-Based Recommendations and Classification System for Unstructured Resume Documents, Revue d'Intelligence Artificielle, Vol 37, PP 619-625, 0992499X. (Open Access)

10. **Soujanya R (January 2024)**, Deep Transfer Learning Models for Alzheimer's Disease Classification using MRI Images, International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING , ISSN:2147-6799 2147-6799 12(1), 95-101 (Open Access)

11. **Surekha, P. & Ramesh, G. (February 2024)**. Micro Expression Spotting through Appearance Based Descriptor and Distance Analysis. International Journal on Recent and Innovation Trends in Computing and Communication, 11(8s), 10–19. <https://doi.org/10.17762/ijritcc.v11i8s.7171>. (Open Access)

12. **Channabasamma (April 2024)**.: Bidirectional recommendation in HR analytics through text summarization-April 2024-Scopus Bulletin of Electrical Engineering and Informatics-DOI: 10.11591/eei.v13i2.5650



### **Book Chapters:**

1. **G. Ramesh, B. Anil Kumar and J. Praveen**, Design and Implementation of an IoT-Integrated Smart Home System with End-To-End Security using Blockchain Technology, Blockchain Technology for IoT and Wireless Communications, 2023. <https://doi.org/10.1201/9781003269991>, eBook ISBN9781003269991, CRC Press. (Scopus) Book Chapter
2. **R. Soujanya**, Fundamental concepts in graph attention networks, Concepts and Techniques of Graph Neural Networks, 2023, DOI: 10.4018/978-1-6684-6903-3.ch006
3. **Dr, Lipika Goel**, Empirical Evaluation of Local Model for Just in Time Defect Prediction, Lecture Notes in Networks and Systems/ Communication, Software and Networks, 493 & 299-310, 23673370



## UGC Journals

1. **Geeta Padole (December 2023)**, DECODING CYBER THREATS: ADVANCED TECHNIQUES IN MALWARE DETECTION AND ANALYSIS, International Journal of Creative Research Thoughts, Vol.11(12), 2320-2822, 562-568,<http://doi.one/10.1729/Journal.37618>
2. **B. Geeta Kumari (February 2024)**, PREDICTIVE ANALYTICS FOR CARDIAC ARREST IDENTIFICATION IN NEONATES WITH MACHINE LEARNING FRAMEWORK, The International journal of analytical and experimental modal analysis, Volume XV, Issue XII,December-2023,ISSN NO: 0886-9367, pp. 599-608, DOI:18.0002.IJAEMA.2023.V15I12.200001.015685971790490
3. **K.Madhavi (April 2024)**, A COMPARATIVE STUDY ON SUSTAINABLE APPROACHES FOR BRAIN STROKE DETECTION, International Journal of Creative Research Thoughts, Vol.12(4), 2320-2822, 562-568, [http://ijcrt.org/viewfull.php?&p\\_id=IJCRT24A4798](http://ijcrt.org/viewfull.php?&p_id=IJCRT24A4798)



## SCOPUS CONFERENCE PROCEEDINGS:

1. **B. Srinivasa Rao (July 2023)**, An Artificial Intelligence Network based-Host Intrusion Detection System for Internet of Things Devices. 656-661. 10.1109/ICESC57686.2023.10193232.
2. **B. Srinivasa Rao (August 2023)**, "A Novel Approach for Crop Yield Prediction based on Hybrid Deep Learning Approach," 2023 8th International Conference on Communication and Electronics Systems (ICES), Coimbatore, India, 2023, pp. 1310-1315, doi: 10.1109/ICES57224.2023.10192652.
3. **B. Srinivasa Rao (August 2023)**, "Innovative Deep Learning Model-based Stock Price Prediction using a Hybrid Approach of CNN and Gradient Recurrent Unit," 2023 8th International Conference on Communication and Electronics Systems (ICES), Coimbatore, India, 2023, pp. 1304-1309, doi: 10.1109/ICES57224.2023.10192634.
4. **Y. Lakshmi Prasanna (August 2023)**, S2S translator using CNN, Advancements in Aeromechanical Materials for Manufacturing (ICAAMM-2021) , AIP Conf. Proc. 2492, 020014 (2023), <https://doi.org/10.1063/5.0113182>.
5. **Ashlin Deepa. R N (September 2023)**, G. Sai Jayanth Kalluri, Z. Mohammed, M. P. Sai Sushank, A. Raju V and A. Negi, "A Novel Approach to Recognize Handwritten Telugu Words Using Character Level CNN," 2023 4th International Conference for Emerging Technology (INCET), Belgaum, India, 2023, pp. 1-5, doi: 10.1109/INCET57972.2023.10170305
6. **Ashlin Deepa. R N (December 2023)**, Deep learning based face recognition and emoji prediction system, AIP Conf. Proc. 2754, 070005-1–070005-8; <https://doi.org/10.1063/5.0167065>.
7. **Prof. G.Mallikarjuna Rao (December 2023)**, Deep learning framework for smart patient attendant system using thermal images,Third International Conference on Advances in Physical Sciences and Materials: ICAPSM 2022, AIP Conf. Proc. 2901, 060022-1–060022-9, <https://doi.org/10.1063/5.0187049>.
8. **Prof. G.Mallikarjuna Rao, Y.Lakshmi Prasanna (December 2023)**, IoT-Powered Intelligent Framework for Detecting Food Adulteration: A Smart Approach, ICMPC 2023 ,E3S Web of Conferences , 010 (2023) 430 74, <https://doi.org/10.1051/e3sconf/202343001074>
9. **Y.Lakshmi Prasanna (December 2023)**, Automated Voice-to-Image Generation Using Generative Adversarial Networks in Machine Learning, ICMPC 2023 ,E3S Web of Conferences , 010 (2023) 430 65 <https://doi.org/10.1051/e3sconf/202343001065>
10. **Y.Krishna Bhargavi (December 2023)**, Text summarization and translation on multimodal data, INTERNATIONAL CONFERENCE ON MATERIALS, PROCESSING & CHARACTERIZATION, AIP Conf. Proc. 2754, 110005 (2023), <https://doi.org/10.1063/5.0161374>.
11. **Sravani C,Pavani P, Vybhavi G Y and Ramesh G (December 2023)**, Decoding the Human Genome: Machine Learning Techniques for DNA Sequencing Analysis, ICMPC 2023 ,E3S Web of Conferences , 010 (2023) 430 67, <https://doi.org/10.1051/e3sconf/202343001067>



12. **Ramesh G, Sravani C and R Soujanya (December 2023)**, An Automated System for Indian Currency Classification and Detection using CNN, ICMPC 2023 ,E3S Web of Conferences , 010 (2023) 430 77, <https://doi.org/10.1051/e3sconf/202343001077>
13. **G. Ramesh, et al.(December 2023)**, Smart Medical Assistance using Soft Computing, E3S Web Conf., 430 (2023) 01189, DOI: <https://doi.org/10.1051/e3sconf/202343001189>.
14. **G. Ramesh, Karanam Madhavi (December 2023)** Automated Opencv-Based Presentation Controller, E3S Web Conf., 430 (2023) 01061, DOI: <https://doi.org/10.1051/e3sconf/202343001061>.
15. **G. Ramesh (December 2023)**, Beyond Binary: The Capabilities of Classical and Quantum Computing for Securing Data Transmission, E3S Web Conf., 430 (2023) 01073, DOI: <https://doi.org/10.1051/e3sconf/202343001073>.
16. **G. Ramesh, J. Praveen, P. Surekha (December 2023)**, A Real-time Automated System for Object Detection and Facial Recognition, E3S Web Conf., 430 (2023) 01076, DOI: <https://doi.org/10.1051/e3sconf/202343001076>.
17. **K. Madhavi, G. Ramesh, P. Surekha (December 2023)** Secure Information System for Visitor Access Recognition using Machine Learning, E3S Web Conf., 430 (2023) 01066, DOI: <https://doi.org/10.1051/e3sconf/202343001066>.
18. **G. Ramesh (December 2023)**, OCL Based Approach for Sustainable ML Model Development, E3S Web Conf., 430 (2023) 01072, DOI: <https://doi.org/10.1051/e3sconf/202343001072>.
19. **Ramesh G. and Madhavi Karanam (December 2023)**, Intelligent Agribusiness System-An Echo Friendly IOT based Approach, E3S Web Conf., 430 (2023) 01069, DOI: <https://doi.org/10.1051/e3sconf/202343001069>.
20. **Ramesh Gajula (December 2023)**, Autonomous Driving: Enhancing Mileage, Road Safety with AI, E3S Web Conf., 430 (2023) 01060, DOI: <https://doi.org/10.1051/e3sconf/202343001060>.
21. **Ramesh Gajula (December 2023)**, Sensing Users Emotional Intelligence in Social Networks, E3S Web Conf., 430 (2023) 01078, DOI: <https://doi.org/10.1051/e3sconf/202343001078>
22. **Krishna Chythanya N (December 2023)**, A Chabot Supported Secured Portal for Affordable Artificial Limbs, E3S Web of Conferences 391, 01027 (2023), <https://doi.org/10.1051/e3sconf/202339101027>.
23. **Karanam Madhavi and G. Ramesh (December 2023)**, Review on Tomato Ripe Detection and Segmentation Using Deep learning Models for Sustainable Agricultural Development, ICMPC 2023 E3S Web Conf., 430 (2023) 01058, DOI: <https://doi.org/10.1051/e3sconf/202343001058>.
24. **Karanam Madhavi, D.Siri, KVSL Harika and S.Ritwika (December 2023)**, Automated Weapon Detection System in CCTV's Through Image Processing, ICMPC 2023 E3S Web of Conferences, 430 (2023), <https://doi.org/10.1051/e3sconf/202343001055>





25. **Ramya Manasw V, SankaraBabu B, Madhavi Karanam, Soujanya R, Kalyan Rao H (December 2023)** Traffic Light Detection for Information Systems and Telecommunications using CNN, ICMPC 2023, E3S Web of Conferences 430 01068, <https://doi.org/10.1051/e3sconf/202343001068>
26. **Karanam Madhavi and G. Ramesh (December 2023)**, Techniques of Machine Learning for the Purpose of Predicting Diabetes Risk in PIMA Indians, ICMPC 2023 E3S Web Conf., 430 (2023) 01151, DOI: <https://doi.org/10.1051/e3sconf/202343001151>
27. **Karanam Madhavi (December 2023)**, Text interpreter & Converter, INTERNATIONAL CONFERENCE ON MATERIALS, PROCESSING & CHARACTERIZATION, AIP Conf. Proc. 2754, 110004 (2023), <https://doi.org/10.1063/5.0169347>
28. **Karanam Madhavi and G. Ramesh (December 2023)**, Automated Opencv-Based Presentation Controller, ICMPC 2023 E3S Web Conf., 430 (2023) 01061, DOI: <https://doi.org/10.1051/e3sconf/202343001061>
29. **Karanam Madhavi (December 2023)**, Object and it's dimension detection in real time, ICMED-ICMPC 2023 E3S Web Conf., 391(2023) 01016, DOI: <https://doi.org/10.1051/e3sconf/202339101016>
30. **Karanam Madhavi (December 2023)**, Neurocognitive Mechanisms of Anti-Lingual & Accent Bias Stereotyping in Virtual Reality and the Sustainable Development of Linguistic Response, ICMPC 2023 E3S Web Conf., 430 (2023) 01194, DOI: <https://doi.org/10.1051/e3sconf/202343001194>
31. **Karanam Madhavi (December 2023)**, Evaluating Clustering Algorithms: An Analysis using the EDAS Method, ICMPC 2023 E3S Web Conf., 430 (2023) 01161, DOI: <https://doi.org/10.1051/e3sconf/202343001161>
32. **Karanam Madhavi (December 2023)**, "Cloud Web Console(CWC) – A Web Console Framework for Connecting Multiple Cloud Databases", AIP Conference proceedings. 2023, 2754(1), 060002 **Scopus Indexed.** <https://doi.org/10.1063/5.0161767>
33. **Karanam Madhavi (December 2023)**, "Driver Drowsiness estimation using IoT and Image processing", AIP Conference proceedings. 2023, 2754(1), 090003. **Scopus Indexed.** <https://doi.org/10.1063/5.0169527>
34. **G. Ramesh (December 2023)**, "Blockchain-based Voting System in a Democratic Environment," 2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS), Trichy, India, 2023, pp. 1312-1316, doi: 10.1109/ICAISS58487.2023.10250609.
35. **G. Ramesh (December 2023)**, "Paddy Leaf Disease Identification on Infrared Images based on CNN with Auto Encoders," 2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS), Trichy, India, 2023, pp. 277-281, doi: 10.1109/ICAISS58487.2023.10250752.



36. **G. Ramesh (December 2023)**, "Unveiling Covert Conversational Agents: Enhancing Insight, Archives, and Dialog Acts with ChatGPT," 2023 7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), Kirtipur, Nepal, 2023, pp. 766-772, doi: 10.1109/I-SMAC58438.2023.10290195.
37. **Bh.Prashanthi (December 2023)**, "Touchless interface for gaming," AIP Conference proceedings. 2023, 2754(1), 020008. <https://doi.org/10.1063/5.0164021>
38. **P.Chandrasekhar Reddy (December 2023)**, Ensemble Framework of Artificial immune system based on Network Intrusion Detection System for Network Security Sustainability, ICMPC 2023 E3S Web Conf., 430 (2023) 01070, DOI: <https://doi.org/10.1051/e3sconf/202343001070>
39. **P.Chandrasekhar Reddy (December 2023)**, Age Classification for work sustainability using SVM using Co-occurrence features on Fibonacci Weighted Neighborhood Pattern Matrix, ICMPC 2023 E3S Web Conf., 430 (2023) 01063, DOI: <https://doi.org/10.1051/e3sconf/202343001063>
40. **P.Chandrasekhar Reddy (December 2023)**, Human Action Recognition by Learning Spatio-Temporal Features with Deep Neural Networks, ICMPC 2023 E3S Web Conf., 430 (2023) 01154, DOI: <https://doi.org/10.1051/e3sconf/202343001154>
41. **B.Sanakar Babu (December 2023)**, Network Intrusion Detection using Machine Learning Algorithms, 2023 3rd International Conference on Smart Data Intelligence (ICSMDI) , pp 367-381, DOI 10.1109/ICSMDI57622.2023.00071
42. **B.Sanakar Babu (December 2023)**,Enhancing Cloud Security with a Fuzzy Rule-Based Classifier for Intrusion Detection and Classification, Proceedings of the 5th International Conference on Inventive Research in Computing Applications (ICIRCA 2023), pp.1226-1231, DOI:10.1109/ICIRCA57.980.2023.10220692
43. **B.Sanakar Babu (December 2023)**,A Deep Learning-based Innovative Approach for Enhancing the Precision of Tool Wear Prediction, Proceedings of the 8th International Conference on Communication and Electronics Systems (ICCES 2023), pp.1226-1231, DOI:10.1109/ICCES57224.980.2023.1019266
44. **B.Sanakar Babu, Srihitha Gunapriya, B.Indupriya, V Sahiti (December 2023)**,Sustainable development of Flexible Assertion on Multi-Modal Classification of Brain Tumours using Deep Learning, ICMPC 2023, E3S Web of Conferences , 010 430 71 (2023), 430 71 <https://doi.org/10.1051/e3sconf/202343001071>
45. **B.Sanakar Babu (December 2023)**, Drone Detection and Classification using Computer Vision, Proceedings of the 7th International Conference on Trends in Electronics and Informatics (ICOEI 2023), pp.1320-1398, DOI:10.1109/ICOEI56765.2023.10125737
46. **B.Sanakar Babu (December 2023)**, Performance optimization for Intrusion Detection by Long Short Term Memory (LSTM) , ICMPC 2023, E3S Web of Conferences , 011 430 82 (2023), <https://doi.org/10.1051/e3sconf/202343001182>



47. **B.Sanakar Babu (December 2023)**, Performance Comparison of CNN and DNN Algorithms for Automation of Diabetic Retinopathy Disease, ICMPC 2023, E3S Web of Conferences , 010 430 75 (2023), <https://doi.org/10.1051/e3sconf/202343001075>
48. **B.Sanakar Babu (December 2023)**, Predicting the Spread of the Corona Virus Disease Requires Analyzing Data from Cases across Multiple States in India, ICMPC 2023, E3S Web of Conferences,430 01153(2023), <https://doi.org/10.1051/e3sconf/202343001153>
49. **T.V.Suneetha (December 2023)**, Employee Behaviour and Attention of Career Building, 7th International Conference on Intelligent Computing and Control Systems, ICICCS 2023,PP.1023–1028, ISBN: 979-8-3503-9724-6
50. **P.Chandrasekhar Reddy (December 2023)**,Emotion Detection of People Wearing Face Mask, International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2023),PP. 770-773,ISBN: 978-1-6654-9199-0
51. **G.Charles Babu (December 2023)**,Machine Learning based Advanced Crime Prediction and Analysis International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2023), ISBN:978-1-6654-9199-0
52. **G.Charles Babu (December 2023)**,Leaf Disease Detection using Machine Learning Algorithms, 2nd International Conference on Edge Computing and Applications, ISBN:979-8-3503-4757-9
53. **Dr.K.Anuradha (December 2023)**,,Vehicle Number Plate Detection through live stream using Optical Character Recognition(OCR), 7th International Conference on Trends in Electronics and Informatics (ICOEI),ISBN: 979-8-3503-9727-7
54. **Dr. Ch. Mallikarjuna Rao (December 2023)**,Traffic Sign Recognition for Automated Vehicles using ML Algorithm, 7th International Conference on Trends in Electronics and Informatics, ICOEI 2023 - Proceedings, 979-835039728-4
55. **G.R.Sakthidharan (December 2023)**,A Secure and Decentralized Method of E-voting using Blockchain and Smart Contracts, 2023, Proceedings of the 7th International Conference on Intelligent Computing and Control Systems, ICICCS 2023, 1448-1453 **Electronic ISBN:979-8-3503-9725-3**
56. **G.R.Sakthidharan (December 2023)**,Content-based Movie Recommendation System and Sentimental analysis using ML, 2023, Proceedings of the 7th International Conference on Intelligent Computing and Control Systems, ICICCS 2023, 198-201 **Electronic ISBN:979-8-3503-9725-3**
57. **G.R.Sakthidharan (December 2023)**, Voice Controlled Home Automation System using Google Assistants, 2023, 2023 International Conference on Computer Communication and Informatics, ICCCI 2023, PP.1-5Electronic ISBN:979-8-3503-4821-7
58. **Ch. Mallikarjuna Rao (December 2023)** Study of Spam Email Filtering Methods using Supervised Machine Learning Techniques , 7th International Conference on Trends in Electronics and Informatics, ICOEI 2023 - Proceedings, 1000-1007, ISBN: 979-835039728-4.



59. **S.Govind Rao (December 2023)**, An Intelligent Bayesian Optimization with Stacked BiLSTM Model for Air Quality Index Prediction, in: 2023 5th International Conference on Inventive Research in Computing Applications (ICIRCA),10.1109/ICIRCA57980.2023.10220650
60. **K.Butchi Raju (December 2023)**, Voting System using Hough Transformation,Proceedings of the 7th International Conference on Intelligent Computing and Control Systems, ICICCS 2023, 1132-1138, 10.1109/ICICCS56967.2023.10142259
61. **V.Swapna (December 2023)**, Multiple Disease Prediction Based on User Symptoms using Machine Learning Algorithms , 2023 International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE), 10.1109/ICDCECE57866.2023.10150877
62. **Rubeena Rustum (December 2023)**, Robot with Speech Recognition, Sentiment Analysis, Object Detection, Proceedings of the 7th International Conference on Intelligent Computing and Control Systems, ICICCS 2023, 1198-1205, 10.1109/ICICCS56967.2023.10142625
63. **Ch. Mallikarjuna Rao (September 2023)**, Malicious software detection using ML algorithms. AIP Conf. Proc. 5 September 2023; 2754 (1): 020007. <https://doi.org/10.1063/5.0161055>
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# Gokaraju Rangaraju Institute of Engineering and Technology

(Autonomous)

Department of Computer Science and Engineering

Faculty Publication details

(Academic Year 2022-23)

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5. **B.Sankara Babu**, (June 2023), "Detection and Identification of an Employee Attrition using Machine Learning Algorithm", NVEO, Vol.8 (4):5563-5573. <https://www.nveo.org/index.php/journal/article/download/1216/1064/1244>



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- 1.Ch.Mallikarjuna Rao**, “ IoT-Enabled Agricultural System Applications, Challenges and Security Issues” IoT and Analytics for Agriculture , IoT and Analytics for Agriculture, Studies in Big Data 63. [https://doi.org/10.1007/978-981-13-9177-4\\_7](https://doi.org/10.1007/978-981-13-9177-4_7)
- 2..Ch.Mallikarjuna Rao**,”A Hybrid Feature Selection for Improving Prediction Performance with a Brain Stroke Case Study”,Data Science and Security, Lecture Notes in Networks and Systems 462, [https://doi.org/10.1007/978-981-19-2211-4\\_33](https://doi.org/10.1007/978-981-19-2211-4_33)
- 3.Mallikarjuna Rao Gundavarapu**,”Deep Learning Framework for Liver CT Image Segmentation and Risk Prediction”,Smart Trends in Computing and Communications, Lecture Notes in Networks and Systems 645, [https://doi.org/10.1007/978-981-99-0769-4\\_19](https://doi.org/10.1007/978-981-99-0769-4_19)
- 4. B.Sankara Babu (June 2023)** Machine Learning Based Online Handwritten Telugu Letters Recognition for Different Domains , A Fusion of Artificial Intelligence and Internet of Things for Emerging Cyber Systems , Vol.210, [https://doi.org/10.1007/978-3-030-76653-5\\_12](https://doi.org/10.1007/978-3-030-76653-5_12)
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# **Gokaraju Rangaraju Institute of Engineering and Technology**

**(Autonomous)**

**Department of Computer Science and Engineering**

**Faculty Publication details**

**(Academic Year 2022-23)**

## **SCOPUS CONFERENCE PROCEEDINGS:**

1. **Susmitha Valli. Gogula et. al**, (July 22), "Applying CNN on Lung Images for screening Initial cancer Stages", International conference on applied artificial Intelligence and computing, pp:285-289 <https://doi.org/10.1109/ICAAIC53929.2022.793298>
2. **G.Ramesh** (Aug 22), Pivot Based Seed Germination Assessment (PBSGA) Pattern for Germination Quality Analysis, Proceedings of the Fifth International Conference on Inventive Computation Technologies (ICICT 2022), ISBN:978-1-6654-0836-3.DOI: 10.1109/ICICT54344.2022.9850837
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54. **Channabasamma (June 2023)**, "Smart Chatbot for College Information Enquiry Using Deep Neural Network," 2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2023, pp. 991-994, doi: 10.1109/ICACCS57279.2023.10112919.
55. **Sindhuja Boda, (June 2023)**,"Dysphonia-based Parkinson's Detection using Deep Learning and Ensemble Techniques," 2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2023, pp. 1164-1168, doi: 10.1109/ICACCS57279.2023.10112746.
56. **S. Bhargavi. Latha, (June 2023)**,"Smart Farming System using NPK Sensor," 2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2023, pp. 957-963, doi: 10.1109/ICACCS57279.2023.10112795.
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61. **Madhavi Karanam (June 2023)**, “ Performance Evaluation of Cryptographic Security Algorithms on Cloud”, ICMED-ICMPC 2023 E3S Web of Conference, <https://doi.org/10.1051/e3sconf/202339101015>
62. **Madhavi Karanam (June 2023)**, “ Automatic Vacant Parking Places Management System Using Multicamera Vehicle Detection”, ICMED-ICMPC 2023 E3S Web of Conference, <https://doi.org/10.1051/e3sconf/202339101045>



63. **Madhavi Karanam (June 2023)**, “ Object and it's dimension detection in real time”, ICMED-ICMPC 2023 E3S Web of Conference, <https://doi.org/10.1051/e3sconf/202339101016>
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**Gokaraju Rangaraju Institute of Engineering and Technology**  
**(Autonomous)**

**Department of Computer Science and Engineering**

**Faculty Publication details**

**(Academic Year 2021-22)**

**JOURNAL PUBLICATIONS:**

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1. **Padmalayanayak, Krishna Chythanya Nagaraju, Madhavi Karanam** (2021), "Deep vision-based surveillance system to prevent train-elephant collisions", Application of Soft Computing, <https://doi.org/10.1007/s00500-021-06493-8>. IF:3.86
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1. **K.Madhavi, (2021),**”Performance Comparison of Cryptographic Algorithms for Data Security in Cloud Computing”, *Journal of Information and Computational Science*, Volume 11(9), ISSN:1548-7741.
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**Gokaraju Rangaraju Institute of Engineering and Technology  
(Autonomous)**

**Department of Computer Science and Engineering**

**Faculty Publication details**

**(Academic Year 2020-21)**

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# Gokaraju Rangaraju Institute of Engineering and Technology

(Autonomous)

Department of Computer Science and Engineering

Faculty Publication details

(Academic Year 2019-20)

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**Gokaraju Rangaraju Institute of Engineering and Technology**

**(Autonomous)**



## Department of Computer Science and Engineering

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(Autonomous)

Department of Computer Science and Engineering

Faculty Publication details

(Academic Year 2017-18)

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# **Gokaraju Rangaraju Institute of Engineering and Technology**

**(Autonomous)**

**Department of Computer Science and Engineering**

**Faculty Publication details**

**(Academic Year 2016-17)**

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1. **M. Narendhar and K. Anuradha** ,(2016)"An Automated Requirement Ranking Approach for Identifying Software Requirement",Indian Journal of Science and Technology, Vol 9(40),ISSN:0974-5675.
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35. **B.PadmaVijetha Dev**,2017"The Social Network analysis of IRS using Fuzzy Logic",International Journal of Computer Science information and Engg,ISSN:2277-4408.
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### SCOPUS Conferences:

1. **Dr.Y.VijayaLatha**, (2016), (Paper Presentation), "Rank based efficient task scheduler for cloud computing" in International Conference on Data Mining and Advanced Computing.



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# **Gokaraju Rangaraju Institute of Engineering and Technology**

**(Autonomous)**

**Department of Computer Science and Engineering**

**Faculty Publication details**

**(Academic Year 2018-19)**

## **JOURNAL PUBLICATIONS:**

### **SCI Journals:**

1. **Padmalaya Nayak** and Anurag Devulapalli,(2016)"A Fuzzy Logic-Based Clustering Algorithm for WSN to Extend the Network Lifetime",IEEE SENSORS JOURNAL, VOL. 16, NO. 1

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### SCOPUS Conferences:

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3. **Dr.Padmalaya Nayak**, (2015), (Paper Presentation), "A Clustering Algorithm for WSN to Optimize the Network Lifetime Using Type-2 Fuzzy Logic Model" in International Conference on Artificial Intelligence, Modelling and Simulation DOI: 10.1109/AIMS.2015.19.

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2014-15

## JOURNAL PUBLICATIONS:

### SCOPUS Journals:

1. **P.VaraPrasada Rao** ,Dr A.Govardhan,(2015)"Implementation of a python based hierarchical clustering program on hindex dataset of journals using normalization and priority queue elements",International Journal of Applied Engineering Research , Volume 10, Number 24 pp 44440-44444,ISSN: 0973-4562 .
2. K ButchiRaju, Dr. S ViswanadhaRaju,(2015) "Numeral N-folded parallel string matching ",International Journal of Applied Engineering Research, Volume 10, Number 19 pp 40415-40433, ISSN: 0973-4562 .

### UGC Journals:

1. G. Karuna,"Moment based Object Classification from Shapes",International Journal of Computer Applications (0975 – 8887) Volume 109 – No. 5, January 2015.
2. Padmalaya Nayak,"Impact of Black Hole and Sink Hole Attacks on Routing Protocols for WSN",International Journal of Computer Applications (0975 – 8887) Volume 116 – No. 4, April 2015
3. **Ashlin Deepa R.N**,2014,"Feature Extraction Techniques for Recognition of Malayalam Handwritten Characters: Review", International Journal of Advanced Trends in Computer Science and Engineering, ISSN:2278-3091Vol. 3.
4. Dr. G. R. Sakthidharan,"Face Recognition Using LAPP Algorithm",International Journal of Engineering Trends and Applications (IJETA) – Volume 2 Issue 5, Sep-Oct 2015
5. D. Suguna Kuamari, BalaVeeravatnam, P. Sowmya,"Efficient Trust Establishment in Delay Tolerant Networks by Misbehavior Detection Scheme",International Journal of Advanced Research in Computer Science and Software Engineering,Volume 5, Issue 11, November 2015
6. D. Suguna Kuamari, BalaVeeravatnam, P. Sowmya,"Efficient and Robust Resource Allocation in Resilient Overlay Routing Relay Node Networks using BGP Routing",International Journal of Advanced Research in Computer Science and Software Engineering, Volume 5, Issue 11, November 2015.
7. Padmalaya Nayak,"Comparison of Routing Protocols in WSN using NetSim Simulator: LEACH Vs LEACH-C",International Journal of Computer Applications (0975 – 8887) Volume 106 – No.11, November 2014
8. **Padmalaya Nayak**,2015,"Analysis of DSR Protocol for MANET under Black Hole and Sink Hole Attacks Using NetSimSimulaton",International Journal of Electronics Communication and Computer Technology (IJECCCT),ISSN:2249-7838, Volume 5.
9. **B Sankara Babu**,2015,"An Improved Pattern Extraction from Frames in Text Mining",International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10.
10. **G. N. Beena Bethel**, Prof. T. V. Rajinikanth, Prof. S. Viswanatha Raju,2015,"An Efficient Feature Reduction Technique For An Improved Heart Disease





Diagnosis”,International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10

11. B. Sankara Babu, K. Rajasekhar Rao, P. Satheesh,”An Advanced Precision based Approach to String Transformation”,International Journal of Soft Computing and Engineering (IJSCE),ISSN: 2231-2307, Volume-5 Issue-1, March 2015

12. **P. Varaprasada Rao**, A. Govardhan,2015”A Python Based Regression Script To Evaluate Dependency Of H-Index Of Journals On Various Citation Parameters”I-managers journal of information technology,Vol:4 No.4.

### CONFERENCE PROCEEDINGS:

#### SCOPUS Conferences:

1. **Dr.K.Anuradha**, (2014), (Paper Presentation), “Study on Agile Process Methodology and Emergence of Unsupervised Learning to Identify Patterns from Object Oriented System” in 48th Annual Convention of CSI - Volume II, Advances in Intelligent Systems and Computing,DOI: 10.1007/978-3-319-03095-1\_44.
2. **B.Srikanth**, (2014), (Paper Presentation), “Contention Management Policy in Software Transactional Memory in Parallel and Distributed Systems” in International Conference on Communication Systems and Network Technologies, DOI:10.1109/CSNT.2014.78.
3. **V.Sowmya**, (2014), (Paper Presentation), “Variant Nearest Neighbor Classification Algorithm for Text Document” in 48th Annual Convention of CSI - Volume II, Advances in Intelligent Systems and Computing,DOI: 10.1007/978-3-319-03095-1\_27.

#### UGC Conferences:

1. **Dr.G.Karuna**, (2014), “A Novel Approach for Information Preserving Shape Representation by using Hit-or-Miss Operation” in 3<sup>rd</sup> International conference on Communications, Signal Processing Computing & Information Technologies (ICCSPCIT-14).
2. **Dr.K.Anuradha**, (2014), “Adaptive PSO based Association Rule Mining Technique for Software Defect Classification using ANN” in International Conference on Information and Communication Technologies (ICICT 2014).
3. **G.N.Beena Bethel**, (2014), “Design and simulation of Constant bit rate compressor using fuzzy logic” in 1<sup>st</sup> International Conference on Networks & Soft Computing (ICNSC-2014).
4. **Dr.G.Karuna**, Dr.P.Chandrasekhar Reddy, (2014), “Fuzzy Based Texton Shape Matrix for Texture Classification” in International Conference on Sustainability of Digital Libraries (ICSDDL-2014).
5. **Dr.G.Karuna**, (2014), “Fuzzy rule based edge detection for object and texture classification using shape matching” in International Conference on Advanced Computer Technology and Development (ICACTD-2014).
6. **Dr. G.R.Sakthidharan**, (2014), “Local Minima Jump Pso For Workflow Scheduling In Cloud Computing Environments” in [Advances in Computer Science and its Applications](#), DOI: 10.1007/978-3-642-41674-3\_170.



7. **Dr.K.Anuradha**, (2015), “An Efficient Method for Parameter Estimation of Software Reliability Growth Model using Artificial Bee Colony Optimization” in [International Conference on Swarm, Evolutionary and Memetic Computing](#)(SEMCCO-2014), DOI: [https://doi.org/10.1007/978-3-319-20294-5\\_65](https://doi.org/10.1007/978-3-319-20294-5_65).
8. **Dr.G.Karuna**, (2014), “An Efficient Approach for Improvement of Packet Scheduling Algorithm to Secure Real Time Networks” in International Conference on Sustainability of Digital Libraries (ICSDDL-2014).