



BMS INSTITUTE OF TECHNOLOGY and MANAGEMENT
Yelahanka, Bengaluru-560 064

Department of AI & ML

For the Academic Year 2024-25

INTERNATIONAL JOURNAL DETAILS (RESEARCH PUBLICATIONS)

Sl. No	Title of the Paper	Name of the Author/s	Name of the Journal	Details of publication with doi
1	Automatic Detection of Hard Exudate in Color Retinal Fundus Image and Diabetic Maculopathy Grading	Dr. Rajesh I S, Dr. Bharathi M A	Journal-IEEE Access	Q1- Scopus and SCI indexed DOI: 10.1109/ACCESS.2025.3525499
2	Advanced glaucoma detection through retinal fundus image segmentation and stacking classifier	Dr. Rajesh I S	journal - Engineering Research Express	Q2 -Scopus and SCI indexed DOI 10.1088/2631-8695/adb01
3	Spectral Entropic Radiomics Feature Extraction (SERFE): an adaptive approach for glioblastoma disease classification	Sowmya V L	Frontiers in Artificial Intelligence	Q2 -Scopus and WoS(ESCI) indexed https://doi.org/10.3389/frai.2025.1583079
4	Secure Patient Data Management Using	Dr. Archana Bhat	International Journal of Environmental Sciences	Q4 - Scopus indexed https://doi.org/10.64252/t5zq7n93



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	Blockchain Technology			
5	Comparative Assessment of Machine Learning Models for Predicting Glucose Intolerance Risk	Dr. Manoj H M	SN Computer Science - A SpringerNature Journal	SN Computer Science (2024) 5:894 https://doi.org/10.1007/s42979-024-03259-5
6	Student Pilot Pro: A chatbot integrated application for college students	Dr. HemaMalini B H	Journal of Systems Engineering and Electronics (ISSN NO: 1671-1793) Volume 35 ISSUE 2 2025	DOI:20.14118.jsee.2025.V35I2.2130
7	Skin Cancer Detection from Lesion Images using Deep Learning	Dr. HemaMalini B H	Journal of Systems Engineering and Electronics (ISSN NO: 1671-1793) Volume 35 ISSUE 2 2025	DOI:20.14118.jsee.2025.V35I2.2121
8	Efficient Task Offloading Processing in Edge Computing Using Grey Wolf Optimization and Graylag Goose Optimization Algorithms	Dr. Kantharaju V	International Journal of Intelligent Engineering and Systems	https://inass.org/wp-content/uploads/2025/01/2025043058-2.pdf



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9	Access management based on deep reinforcement learning for effective cloud storage security	Dr. Kantharaju V	International Journal of System Assurance Engineering and Management	https://doi.org/10.1007/s13198-024-02596-1
10	Elliptic Curve Cryptography and Password Based Key Derivation Function with Advanced Encryption Standard Method for Cloud Data Security	Dr. Kantharaju V	International Journal of Intelligent Engineering and Systems	https://inass.org/wp-content/uploads/2024/09/2024123162-1.pdf
11	Adaptive Inertia Weight with Transient Search Optimization Based Feature Selection for Intrusion Detection in Internet of Things	Dr. Kantharaju V	International Journal of Intelligent Engineering and Systems	https://inass.org/wp-content/uploads/2024/09/2024123161-2.pdf
12	Machine learning based intrusion detection framework for detecting security attacks in	Dr. Kantharaju V	Scientific Reports	https://doi.org/10.1038/s41598-024-81535-3



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	internet of things			
13	FDSRN: Fractal Deep Spiking Neural Network for Breast Cancer Detection Using Mammogram Images.	Sachin A. Urabinahatti	International Journal of Intelligent Engineering & Systems	https://inass.org/wp-content/uploads/2024/10/2025022967-3.pdf
14	Video inpainting using hybrid DMN-EfficientNet with LGSR.	Sachin A. Urabinahatti	International Journal of Wireless and Mobile Computing	https://doi.org/10.1504/IJWMC.2025.148109
15	Classification of animal species using efficient neuron attention stage-by-stage network	Sachin A. Urabinahatti	Engineering Applications of Artificial Intelligence	https://doi.org/10.1016/j.engappai.2025.111488
16	Developing an Intelligent Resume Screening Tool With AI-Driven Analysis and Recommendation Features	K. L. Abhishek, M. Niranjana Murthy	Wiley online library	https://doi.org/10.1002/ail2.116



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INTERNATIONAL CONFERENCE DETAILS

Sl. No	Title of the Paper	Name of the Author/s	Name of the conference	Details of publication with doi	Indexed (WoS/Scopus only)
1	Hybrid Deep Fusion of CNN and Transformer Models for Early Parkinson's Screening from Hand-Drawn Spirals and Waves	Dr. Rajesh I S	2025 Third International Conference on Networks, Multimedia and Information Technology (NMITCON)	DOI: 10.1109/NMITCON 65824.2025.11188329	Scopus indexed
2	Detecting an Employee's Stress Using Emotional Intelligence-Based Machine Learning Models	Balaraju G, Mayuri K P, Dr. Pradeep K R, Kavitha D	2025 5th International Conference on Intelligent Technologies (CONIT), HUBBALI, India	https://ieeexplore.ieee.org/document/11167024	Scopus indexed
3	Developing an Application for Managing and Creating Private Keys for Cryptographic Communication	Balaraju G	2024 Asian Conference on Intelligent Technologies (ACOIT)	https://ieeexplore.ieee.org/document/10941108	Scopus indexed
4	"Design and Development of AI-Based Low-Cost Effective Prototype for Early Warning and Monitoring of Urban	Dr Anupama H S	International Conference on Water Resources, Ocean and Environmental Engineering	Design and Development of AI-Based Low-Cost Effective Prototype for Early-Warning and Monitoring of Urban Flash Floods	Scopus indexed



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	Flash Floods in Smart Cities”,		indexed in Scopus in 2025.	in Smart Cities SpringerLink	
5	CliniLiver: Leveraging Clinical Data for Liver Disease Prognosis	Balaraju G, Kavitha D	2024 International Conference on Intelligent Computing and Emerging Communication Technologies (ICEC)	https://ieeexplore.ieee.org/document/10837279	Scopus indexed
6	Vehicle Security by Facial Recognition Using Convolutional Neural Networks	Balaraju G	2024 International Conference on Intelligent Computing and Emerging Communication Technologies (ICEC)	https://ieeexplore.ieee.org/document/10837455	Scopus indexed
7	“Adversarial learning for De-Identification of Medical-Records” in IEEE 2024 International Conference on Knowledge Engineering and Communication Systems, ICKECS	Dr Anupama H S, Dr Pradeep K R, Dr Niranjana Murthy, Dr Kantharaju V	2024 International Conference on Knowledge Engineering and Communication Systems (ICKECS)	10.1109/ICKECS61492.2024.10616690	Scopus indexed



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8	Heart Disease Prediction Using Classification Techniques of Supervised Machine Learning	Balaraju G	2024 Second International Conference on Networks, Multimedia and Information Technology (NMITCON)	https://ieeexplore.ieee.org/document/10699057	Scopus indexed
9	Prediction of Machine Failures using Stacking Classifiers and SHAP Explainability	Dr.Pradeep K R	2025 International Conference on Emerging Technologies in Computing and Communication (ETCC)	10.1109/ETCC65847.2025.11108468	Scopus indexed
10	Reinforcement Learning-Driven Portfolio Management: Adaptive Strategies for Risk and Returns Using LSTM and DQN	Dr.Pradeep K R	2025 International Conference on Electronics, AI and Computing (EAIC)	10.1109/EAIC66483.2025.11101392	Scopus indexed
11	Personalized Adaptive Learning Platform Empowered by Artificial Intelligence	Dr.Pradeep K R	2024 International Conference on Knowledge Engineering and Communication Systems (ICKECS)	10.1109/ICKECS61492.2024.10617075	Scopus indexed
12	AI-Driven Brain Tumor Segmentation:		<u>2025</u> <u>International</u>	10.1109/COMP-	Scopus indexed



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	Innovations, Constraints and the Path Toward Clinical Adoption	Dr. Archana Bhat	<u>Conference on Computing for Sustainability and Intelligent Future (COMP- SIF)</u>	SIF65618.2025.109 69924	
13	Machine Learning- Driven Optimization of Plant Growth Through Dynamic Climate Regulation	Mayuri K P	2025 5th International Conference on Intelligent Technologies (CONIT), HUBBALI, India	https://ieeexplore.iee.org/abstract/document/11166909	Scopus indexed
14	Advancements in Intelligent Hydroponics Systems: A Comprehensive Review	Mayuri K P	Data Mining and Information Security. ICDMIS 2024	https://link.springer.com/chapter/10.1007/978-981-96-6046-9_18	Scopus indexed
15	Recognition of Sign Language Using E- CNN	Dr. Manoj H M	Springer Nature Singapore Pte Ltd. 2025 , The International Conference on “Emerging Research in Computing, Information, Communication and Applications,” ERCICA 2024	L. M. Patnaik et al. (eds.), Advances in Communication and Applications, Lecture Notes in Electrical Engineering 1398, https://doi.org/10.1007/978-981-96-4679-1_30	Scopus indexed



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16	Explainable Gradient Boosting Models for Automated Enterprise Travel Expense Compliance	Dr. Manoj H M	2025 Third International Conference on Networks, Multimedia and Information Technology (NMITCON)	979-8-3315-1308-5/25/\$31.00 ©2025 IEEE DOI: 10.1109/NMITCON.65824.2025.11188080 https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=11188080	Scopus indexed
17	Innovative Horizons in Agricultural Technology with TSA based StrawberrySqueezeNet Classification Model	Dr. Manoj H M	2024 International Conference on Data Science and Network Security (ICDSNS)	https://ieeexplore.ieee.org/document/10691078	Scopus indexed
18	PFCM based Segmentation and TFA based DCNN model for Skin Cancer Classification using Dermoscopic Images	Dr. Manoj H M	2024 International Conference on Data Science and Network Security (ICDSNS)	https://ieeexplore.ieee.org/document/10690940	Scopus indexed
19	Investigation on Digital Forensic Using Graph Based Neural Network With Blockchain Technology	Dr. Manoj H M	2024 International Conference on Data Science and Network Security (ICDSNS)	https://ieeexplore.ieee.org/document/10691122	Scopus indexed
20	SINN based Federated Learning Model for Intrusion Detection with Blockchain Technology in Digital Forensic	Dr. Manoj H M	2024 International Conference on Data Science and Network Security (ICDSNS)	https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10691050	Scopus indexed



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21	Secure Automated Smart Home	Sanjay M Belgaonkar	2024 11th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI)	DOI: 10.1109/EECSI63442.2024.10776090	Scopus indexed
22	Comparative Analysis of Sparse and Conventional Channel Estimation Algorithms in Wireless MIMO Channel Models	Sanjay M Belgaonkar	2024 4th International Conference on Mobile Networks and Wireless Communications (ICMNWC)	DOI: 10.1109/ICMNWC63764.2024.10871954	Scopus indexed
23	Neural Network-Based Signal Processing in VLSI Circuits	Sanjay M Belgaonkar	2025 13th International Conference on Smart Grid (icSmartGrid)	DOI: 10.1109/icSmartGrid66138.2025.11071834	Scopus indexed
24	Optimizing Power and Data Routing in Wireless Sensor Networks: A Focus on Enhancing Network Lifetime	Shobhit Tembhre	2024 International Conference on Recent Advances in Science Engineering Technology (ICRASET)	DOI: 10.1109/ICRASET63057.2024.10895620	Scopus indexed



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BOOK CHAPTER DETAILS

Sl. No.	Title of the Book	Title of the Book Chapter Published	Name of the Author/s	ISBN/DOI	Publisher name	Indexed in WoS/Scopus (Yes/No)
1	Advancements in AI and ML for Enhanced Security and Performance in 6G Networks	6G Cyber Security Resilience: Trends and Challenges	Dr. Bharathi M A Dr. Rajesh I S,	Print -ISBN978-3-031-85007-3 Online -ISBN978-3-031-85008-0 https://doi.org/10.1007/978-3-031-85008-0_5	Springer, Cham	Yes
2	5 Quantum Computing	Quantum Computing Necessary Applications for Future	Dr. M Niranjanamurthy	1040321887, 9781040321881	CRC Press	Yes
3	Mathematical Modeling in Agriculture	Mathematical Modeling in Agriculture	Dr. M Niranjanamurthy	1394233698, 9781394233694	John Wiley & Sons	Yes
4						



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Academic year 2023-24

INTERNATIONAL JOURNAL DETAILS (RESEARCH PUBLICATIONS)

Sl. No	Title of the Paper	Name of the Author/s	Name of the Journal	ISSN	Details of publication with doi
1	BSKM-FC: Blockchain-based secured key management in a fog computing environment	Dr. Bharathi Malakreddy A	Future Generation Computer Systems	Online ISSN: 1872-7115 Print ISSN: 0167-739X	Q1- Scopus and SCI Indexed May-2023 https://doi.org/10.1016/j.future.2022.12.042
2	IoT-Based Waste Segregation with Location Tracking and Air Quality Monitoring for Smart Cities	Dr. Niranjanam urthy M	Smart Cities	26246511	Q1- Scopus and SCI Indexed May-2023 https://doi.org/10.3390/smartcities6030071
3	Multi-Objective Fault-Coverage Based Regression Test Selection and Prioritization Using Enhanced ACO_TCSP	Dr. Niranjanam urthy M	Journal of Mathematics	22277390	Q2- Scopus and SCI Indexed July-2023 https://www.mdpi.com/2227-7390/11/13/2983
4	BPCPR-FC: blockchain-based privacy preservation with confidentiality using proxy reencryption and ring signature in fog computing environments		International Journal of Information	25112104, 25112112	Q2- Scopus indexed Aug-2023 https://link.springer.com/article/10.1007/s41870-023-01373-w



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		Dr. Bharathi Malakreddy A	Technology (Singapore)		
5	Detection of Alzheimer's Disease Based on Cloud- Based Deep Learning Paradigm	Dr Niranjanam urthy M	Journal of Diagnostics	20754418	Q2- Scopus and SCI Indexed Aug-2023 https://www.mdpi.com/2075-4418/13/16/2687
6	A Novel Approach for Specification Testing on Heart Disease Detection Using Feed-Forward Neural Network	Dr Niranjanam urthy M	Springer SN Computer science	Electronic ISSN 2661-8907	Q2- Scopus indexed Nov-2023 DOI https://doi.org/10.1007/s42979-023-02332-9
7	Balancing of Web Applications Workload Using Hybrid Computing (CPU–GPU) Architecture	Dr Chandarash ekhar B N	SN Computer Science - Springer	2662995X , 26618907	Q2- Scopus indexed Dec-2023 https://link.springer.com/article/10.1007/s42979-023-02444-2
8	A Hybrid Bio-inspired Fuzzy Feature Selection Approach for Opinion Mining of Learner Comments	Dr. Niranjanam urthy M	SN Computer Science - Springer		Q2- Scopus indexed Jan-2024 https://doi.org/10.1007/s42979-023-02526-1
9	An Effective Hybrid Model for Fake News Detection in Social Media Using Deep Learning Approach	Dr. Niranjanam urthy M	SN Computer Science - Springer		Q2- Scopus indexed March-2024 An Effective Hybrid Model for Fake News Detection in Social



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					Media Using Deep Learning Approach SN Computer Science (springer.com)
10	Human Factors Engineering Simulated Analysis in Administrative, Operational and Maintenance Loops of Nuclear Reactor Control Unit using Artificial intelligence and Machine Learning Techniques	Dr. Shanmugasundaram	Heliyon	e30866	Q1- Scopus and SCI Indexed May-2024 https://doi.org/10.1016/j.heliyon.2024.e30866
11	Hop count, ETX and energy selection-based objective function for image data transmission over 6LoWPAN in Internet of Things	Dr. Archana Bhat	International Journal of Wireless and Mobile Computing	ISSN: 1741-1084 eISSN: 1741-1092	Q4- Scopus indexed May-2024 https://doi.org/10.1504/IJWMC.2024.138773

INTERNATIONAL CONFERENCE DETAILS

Sl. No.	Title of the Paper	Name of the Author/s	Name of the conference	Details of publication with doi	ISBN (Proceedings Book)	Indexed (WoS/Scopus only)
1	Lifetime ratio improvement in relay nodes using CWSN for cooperative wireless	Dr Archana Bhat	2022 3rd International Conference on Communication, Computing and Industry 4.0 (C2I4)	March-2023 DOI: 10.1109/C2I456876.2022.10051217	ISBN: 978-1-6654-7497-9	Scopus



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	sensor networks					
2	A Trust Prediction Mechanism in Edge Communications using Optimized Support Vector Regression	Dr. Bharathi Malakreddy A	Proceedings - 7th International Conference on Computing Methodologies and Communication, ICCMC 2023	April-2023 DOI: 10.1109/ICCMC56507.2023.10083686	ISBN: 978-1-6654-6409-3	Scopus
3	Transactional and Sequential model for pre-processing the textual data	Dr. M. Niranjana Murthy	2023 4th International conference on intelligent engineering and management (ICIEM), pp. 1-6. IEEE, 2023.	July-2023 https://ieeexplore.ieee.org/abstract/document/10167357 DOI: 10.1109/ICIEM59379.2023.10167357	ISBN:979-8-3503-4113-3	Scopus
4	Global Positioning System Based Wildlife Animal Tracking System	DR. K R Pradeep	2023 4th International Conference on Intelligent Engineering and Management (ICIEM)	July-2023 DOI: 10.1109/ICIEM59379.2023.10167080 https://ieeexplore.ieee.org/abstract/document/10167080	ISBN:979-8-3503-4113-3 DOI: 10.1109/ICIEM59379.2023.10167080 Publisher: IEEE	Scopus
5	Forecast Model for Scheduling an HPC Application on CPU and GPU Architecture Forecast	Dr Chandarasekhar B N	2023 3rd International Conference on Intelligent Technologies, CONIT 2023	Aug-2023 DOI: 10.1109/CONIT59222.2023.10205724	ISBN: 979-8-3503-3861-4	Scopus



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	Model for Scheduling an HPC Application on CPU and GPU Architecture					
6	A Comparative Study for Early Diagnosis of Alzheimer's Disease Using Machine Learning Techniques	Dr. Bharathi Malakreddy A	Lecture Notes in Networks and Systems	Oct-2023 https://link.springer.com/chapter/10.1007/978-981-99-4071-4_16 https://doi.org/10.1007/978-981-99-4071-4_16	ISBN978-981-99-4071-4	Scopus
7	AIRFACTOR -Bangalore Based Air Pollution Monitoring and Prediction Application Using Machine Learning	Dr.Kantharaju V	International Conference on Network, Multimedia and Information Technology (NMITCON),	Oct-2023 DOI: 10.1109/NMITCON58196.2023.10276050	ISBN:979-8-3503-0083-3	Scopus
8	Artificial Intelligence Scoring Algorithm for English Translation Based on DNN	Dr. Niranjana Murthy M	2023 Second International Conference On Smart Technologies For Smart Nation	Jan-2024 DOI: 10.1109/SmartTechCon57526.2023.10391415	ISBN:979-8-3503-0542-5	Scopus



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			(SmartTechCo n)			
9	Research on Optimization Algorithm of Real Estate Enterprise Value Evaluation Based on BP Neural Network	Dr. Niranjanamurt hy M(et.al)	2023 Second International Conference On Smart Technologies For Smart Nation (SmartTechCo n)	Jan-2024 DOI: 10.1109/SmartTechCon57526.2023.10391563	ISBN:979-8-3503-0542-5	Scopus
10	Efficient Automatic Answer Evaluation System	Dr Niranjanamurt hy M	2023 3rd International Conference on Mobile Networks and Wireless Communicatio ns (ICMNWC), Tumkur	Feb-2024 DOI: 10.1109/ICMNWC60182.2023.10435767	ISBN:979-8-3503-1703-9	Scopus
11	Parkinson's Disease Detection using Hand Drawn Spirals and Waves	Dr Niranjanamurt hy M	2023 International Conference on Recent Advances in Science and Engineering Technology (ICRASET), B G NAGARA, India,	Feb-2024 DOI: 10.1109/ICRASET59632.2023.10420188	ISBN:979-8-3503-0693-4	Scopus
12	Chat Generative Pretrained Transformer (ChatGPT)	Dr Niranjanamurt hy M	2023 3rd International Conference on Mobile Networks and Wireless Communicatio	Feb-2024 DOI: 10.1109/ICMNWC60182.2023.10435984	ISBN:979-8-3503-1703-9	Scopus



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	for Data Analysis		ns (ICMNWC), Tumkur, India,			
13	Detecting Objects in Surveillance Videos with Deep Neural Networks for Crime Scene Analysis	Dr Niranjanamurthy M	2023 International Conference on Data Science, Agents & Artificial Intelligence (ICDSAAI), Chennai, India,	March-2024 DOI: 10.1109/ICDSAAI59313.2023.10452608	ISBN:979-8-3503-4892-7	Scopus
14	Enactment of Sales Forecasting Application using Artificial Intelligence Techniques	Dr. Niranjanamurthy M	2024 Second International Conference on Data Science and Information System (ICDSIS), Hassan, India, 2024	May-2024 https://ieeexplore.ieee.org/abstract/document/10594027 DOI: 10.1109/ICDSIS61070.2024.10594027	ISBN:979-8-3503-8167-2	Scopus
15	"Routing Strategies for Quality of Service Optimization over Vehicular Ad Hoc Networks: A Review."	Bharathi, M. A., I. S. Rajesh (et.al)	In International Conference on Smart Computing and Communication, pp. 97-111. Singapore: Springer Nature Singapore, 2024.	June-2024 DOI https://doi.org/10.1007/978-981-97-1320-2_9 https://link.springer.com/chapter/10.1007/978-981-97-1320-2_9	ISBN978-981-97-1319-6	Scopus
16	"An Internet of Things-Based Smart Asthma	Srivani, P., A. Durga	In <i>International Conference on Information and</i>	Sept-2023	Online ISBN978-981-99-3758-5	Scopus



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	Inhaler Integrated with Mobile Application."	Bhavani, and R. Shankar.	<i>Communication Technology for Intelligent Systems</i> , pp. 559-566. Springer Nature 2023.	https://doi.org/10.1007/978-981-99-3758-5_50		
17	Chat Generative Pretrained Transformer (ChatGPT) for Data Analysis	Niranjanamurthy M	<i>2023 3rd International Conference on Mobile Networks and Wireless Communications (ICMNWC)</i>	Feb-2024 DOI: 10.1109/ICMNWC60182.2023.10435984	Electronic ISBN:979-8-3503-1702-2	Scopus
18	Efficient Automatic Answer Evaluation System	Niranjanamurthy M	<i>2023 3rd International Conference on Mobile Networks and Wireless Communications (ICMNWC)</i>	Feb-2024 DOI: 10.1109/ICMNWC60182.2023.10435984	Electronic ISBN:979-8-3503-1702-2	Scopus
19	Transactional and Sequential model for pre-processing the textual data	Niranjanamurthy M	<i>2023 4th International Conference on Intelligent Engineering and Management (ICIEM)</i>	March-2023 DOI: 10.1109/ICIEM59379.2023.10167357	Electronic ISBN:979-8-3503-4112-6	Scopus
20	Parkinson's Disease Detection using Hand Drawn	Niranjanamurthy M	<i>2023 International Conference on Recent Advances in</i>	Fb-2023	Electronic ISBN:979-8-3503-0692-7	Scopus



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	Spirals and Waves		Science and Engineering Technology (ICRASET)	DOI: 10.1109/ICRASE T59632.2023.10420188		
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BOOK CHAPTER DETAILS

Sl. No.	Title of the Book	Title of the Book Chapter Published	Name of the Author/s	ISBN/DOI	Publisher name	Indexed in WoS/Scopus (Yes/No)
1	Application of Artificial Intelligence in Resource-Poor Healthcare	AI-Driven Digital Twin and Industry 4.0: A Conceptual Framework with Applications	Dr.Pradeep K R	9781003395416	CRC Press _Taylor & Francis Group, LLC	Scopus
2	Data Wrangling: Concepts, Applications and Tools	Use and Application of Artificial Intelligence in Accounting and Finance	Dr. Niranjana Murthy M (et. al.)	doi.org/10.1002 /9781119879862.ch12	CRC Press _Taylor & Francis Group, LLC	Scopus



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3	AI's Role in Enhanced Automotive Safety	NLP Voice Assistance for IoT Autonomous Vehicles Using ML Algorithms for Seamless Navigation	K. Sudhakar, P. Srivani	DOI: 10.4018/979-8-3373-0442-7.ch023	IGI Global	Scopus
4	Data wrangling: Concepts, applications and tools	<i>Data Wrangling: Concepts, Applications and Tools.</i>	Niranjanam urthy, M.	https://books.google.co.in/books?hl=en&lr=&id=5LnGEAAQBAJ&oi=fnd&pg=PP1&dq=Data+wrangling:+Concepts,+applications+and+tools&ots=nVsiKgGITw&sig=Gdo_2a4-rSSvspFINh1OZ9NIwno#v=onepage&q=Data%20wrangling%3A%20Concepts%2C%20applications%20and%20tools&f=false	John Wiley & Sons, 2023.	Scopus

INTERNATIONAL JOURNAL-2022-2023

Sl. No.	Title of the Paper	Name of the Author/s	Name of the Journal	ISSN	Details of publication with doi
1	BSKM-FC: Blockchain-based secured key management in a fog computing environment.	Dr. Bharathi Malakredy A	Future Generation Computer Systems	0167739 X	Q1-SCI Indexed Month : May Year of Publication : 2023 Page No : 276 - 291 https://doi.org/10.1016/j.future.2022.12.042
2	Multi-Objective Fault-Coverage Based Regression Test Selection and Prioritization Using Enhanced ACO_TCSP	Dr Niranjana murthy M	Mathematics	2227739 0	Q1-SCI Indexed Month : May Year of Publication : Jul 2023 Page No : 2983 https://www.mdpi.com/2227-7390/11/13/2983



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3	IoT-Based Waste Segregation with Location Tracking and Air Quality Monitoring for Smart Cities	Dr Niranjana murthy M	Smart Cities	2624651 1	Q1-SCI Indexed Month : May Year of Publication : May 2023 Page No : 1507 - 1522 https://www.mdpi.com/2624-6511/6/3/71#:~:text=The%20proposed%20system%20utilizes%20IoT,be%20beneficial%20for%20intelligence%20agencies.
4	AUTONOMOUS DECISION MAKING SYSTEM FOR THE UTILIZATION OF RENEWABLE ENERGY RESOURCES IN SMART GRIDS USING DEEP LEARNING	Dr. Pradeep K R	Journal of Data Acquisition and Processing	ISSN: 1004- 9037	Scopus Indexed June -2023 DOI: 10.5281/zenodo.7922917
5	Contextual Cluster-Based Glow-Worm Swarm Optimization (GSO) Coupled Wireless Sensor Networks for Smart Cities	Srivani, P.	MDPI Sensors 23, no. 14 (2023): 6639	ISSN: 1424- 8220	Q2-SCI Indexed Month : June Year of Publication : 2023 https://doi.org/10.3390/s23146639

INTERNATIONAL CONFERENCE 2022-2023

Sl. No.	Title of the Paper	Name of the Author/s	Name of the conference	ISBN/ISSN Number
1	Detection of Chronic Lung Disorders using Deep Learning	Dr Anupama H S	2022 4th International Conference on Cognitive Computing	Date/Year of Publication: 2022 DOI Link: https://ieeexplore.ieee.org/document/10058633



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			and Information Processing, CCIP 2022	
2	Novel Approaches to Improve the Production of Cost-Effective Software Artifacts	Dr Niranjnamurthy M	2022 4th International Conference on Cognitive Computing and Information Processing, CCIP 2022	Date/Year of Publication: 2022 DOI Link: https://ieeexplore.ieee.org/document/10058661
3	Blockchain-based Access Control Model with Privacy preservation in a Fog Computing Environment	Dr. Bharathi Malakreddy A	2022 IEEE International Conference on Electronics, Computing and Communication Technologies, CONECCT 2022	Date/Year of Publication: 2022 DOI Link: https://ieeexplore.ieee.org/document/9865845/authors#authors
4	A Trust Prediction Mechanism in Edge Communications using Optimized Support Vector Regression	Dr. Bharathi Malakreddy A	Proceedings - 7th International Conference on Computing Methodologies and Communication, ICCMC 2023	Date/Year of Publication: Feb 2023 Page No: 784-789 DOI Link: https://ieeexplore.ieee.org/document/10083686
5	Prediction of COVID-19 Severity Using Patient's PHR	Dr. Bharathi Malakreddy A	Smart Innovation, Systems and Technologies	Date/Year of Publication: Oct 2023 Page No: 49-56 DOI Link: https://doi.org/10.1007/978-981-19-3575-6_6 ISBN/ISSN Number: 21903026, 21903018



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6	Text Analysis Tool	Dr Niranjanamurthy M	2023 International Conference on Artificial Intelligence and Applications (ICAIA) Alliance Technology Conference (ATCON-1)	Date/Year of Publication: Apr 2023 DOI Link: https://ieeexplore.ieee.org/abstract/document/10169652
7	Transactional and Sequential model for pre-processing the textual data	Dr Niranjanamurthy M	4th International Conference on Intelligent Engineering and Management, ICIEM 2023	Date/Year of Publication: Jul 2023 DOI Link: https://ieeexplore.ieee.org/document/10167357
8	Lifetime ratio improvement in relay nodes using CWSN for cooperative wireless sensor networks	Dr Archana Bhat	2022 3rd International Conference on Communication, Computing and Industry 4.0 (C2I4)	Date/Year of Publication: Jan 2023 DOI Link: https://ieeexplore.ieee.org/document/10051217
9	Global Positioning System Based Wildlife Animal Tracking System	Dr Pradeep K R	4th International Conference on Intelligent Engineering and Management, ICIEM 2023	Date/Year of Publication: Jul 2023 DOI Link: https://ieeexplore.ieee.org/document/10167080
10	Forecast Model for Scheduling an HPC Application on CPU and GPU Architecture	Dr Chandarashekhar B N	2023 3rd International Conference on Intelligent Technologies, CONIT 2023	Date/Year of Publication: Jun 2023 DOI Link: https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10205724
11	"An Internet of Things-Based Smart Asthma Inhaler	Srivani, P., A.	In <i>International Conference on Information and Communication</i>	Date/Year of Publication: Setp-2023



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	Integrated with Mobile Application."		<i>Technology for Intelligent Systems,-</i> pp. 559-566. Singapore: Springer Nature Singapore, 2023.	DOI: https://doi.org/10.1007/978-981-99-3758-5_50
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INTERNATIONAL JOURNAL 2021-22

Sl. No	Paper Title	Name of the Faculty	Journal/Conference Name	DOI & Link	Date	Scopus/ WoS / UGC
1.	" Optimization of sub-space clustering in a high dimension data using Laplacian graph and machine learning	Bharathi M A	International Journal of Bioinformatics Research and Applications	10.1504/IJBRA.2022.121763 ISSN online 1744-5493 ISSN print 1744-5485	March-2022	Q3- Scopus
2.	A novel method for automatic identification of fovea location and its centre in colour retinal fundus images	Bharati M. A Rajesh I S	International Journal of Medical Engineering and Informatics	https://doi.org/10.1504/IJMEI.2021.113390	Aug-2021	Q4- Scopus
3.	"ECC Based multifactor authentication and key generation system for IoT healthcare."	Bharathi M A	Turkish Journal of Computer and Mathematics Education 12, no. 11 (2021): 5026-5032.	https://www.proquest.com/scholarly-journals/ecc-based-multifactor-authentication-key/docview/2639737516/se-2?accountid=212845	Aug-2021	Scopus
4.	Improved Machine Learning Method for Intracranial Tumor Detection with Accelerated Particle Swarm Optimization"	Pradeep K R	International Journal Hindawi Journal of Healthcare Engineering	https://doi.org/10.1155/2022/1128217	March-2022	Q2- WoS
5.	Machine Learning with Data Science-Enabled Lung Cancer Diagnosis and Classification Using Computed Tomography Images	Vishwa Kiran S	International Journal of Image and Graphics	https://www.worldscientific.com/doi/abs/10.1142/S0219467822400022 ISSN (print): 0219-4678	Oct-2021	Q3- Scopus



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Sl. No	Paper Title	Name of the Faculty	Journal/Conference Name	DOI & Link	Date	Journal Type Scopus/ WoS / UGC
1	"SparseMAX: Accelerating Quantum Neural Networks on GPU Clusters Using Sparse-Matrix Kernels."	Dr. Bharathi M A	International Conference Springer- International Conference on Embedded Computer Systems	https://doi.org/10.1007/978-3-031-04580-6_28 Electronic ISSN 1611-3349 Print ISSN 0302-9743	April-2022	Scopus
2	"Deep Learning Based Mammogram Image Classification."	Dr. Bharathi M A	Springer- In International Conference on Image Processing and Capsule Networks	https://doi.org/10.1007/978-3-030-84760-9_59 Electronic ISSN 2367-3389 Print ISSN 2367-3370	Sept-2021	Scopus
3	Detection of chronic lung disorder using deep Learnin	Dr. Pradeep K R	International Conference 2022 4th International Conference on Cognitive Computing and Information Processing,	10.1109/CCIP57447.2022.10058633	Dec -2022	Scopus
4	Performance Analysis of Water Quality Monitoring System in IoT Using Machine Learning Techniques	Dr. Rakesh N	International Conference on Forensics, Analytics, Big Data, Security	https://ieeexplore.ieee.org/abstract/document/9702592	Feb-2022	Scopus
5	Text Detection and Language Identification on Natural Scene Images Using Faster R-CNN	Dr. Rakesh N	International Conference on Forensics, Analytics, Big Data, Security (Fabs-2021), Dec 21-22, 2021	https://ieeexplore.ieee.org/abstract/document/9702581	Feb-2022	Scopus
6	A Novel Approach in Credit Card Fraud Detection System Using Machine Learning Techniques	Dr. Rakesh N	International Conference on Forensics, Analytics, Big Data, Security (Fabs-2021), Dec 21-22, 2021.	https://ieeexplore.ieee.org/abstract/document/9702672	Feb-2022	Scopus



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7	A Proposed Academic Chatbot System Using NLP	Dr. Rakesh N	6th International Conference on Trends in Electronics and Informatics Icoei 2022 28-30, April 2022, Cheranmahadevi, Tirunelveli, India.	https://ieeexplore.ieee.org/abstract/document/9777231	April-2022	Scopus
8	Covid-19 Social Distancing Detector Using Internet of Things	Dr. Rakesh N	International Conference 6th International Conference on Trends in Electronics and Informatics Icoei 2022 28-30, April 2022, Cheranmahadevi, Tirunelveli, India.	https://ieeexplore.ieee.org/abstract/document/9777185	April-2022	Scopus
9	Detection of chronic lung disorder using deep Learning	Dr. Anupama H S	International Conference 2022 4th International Conference on Cognitive Computing and Information Processing,	https://ieeexplore.ieee.org/abstract/document/10058633	Dec-2022	Scopus

Book/Book Chapters:

Sl. No.	Title of the Book /Book Chapters Published	Name of the Author/s	ISBN/ISSN Numbers	Publisher name
1	Use and application of artificial intelligence in accounting and finance: Benefits and challenges	Dr Niranjanamurthy M	ISBN:9781119879688 DOI Link: https://doi.org/10.1002/9781119879862.ch12	WILEY Jul 2022