BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

Yelahanka, Bengaluru 560 064

For the Academic Year 2024-25

Sl. No	Particular	Year				Count/ Amount
		2021-2022	2022-2023	2023-2024	2024-2025	
1.	International Journal	05	05	11	19	**40**
2.	International Conference	09	11	19	22	**61**
3.	Book Chapters	01	00	04	04	**09**

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.	Conflict-driven learning scheme for multi-agent-based intrusion detection in internet of things	Dr. Srivani P	International Journal of Electrical and Computer Engineering (IJECE)	https://doi.org/10.64252/xd111w41
4.	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

5.	Secure Patient Data Management Using Blockchain Technology	Dr. Archana Bhat	International Journal of Environmental Sciences	Q4 - Scopus indexed https://doi.org/10.64252/t5zq7n93
6.	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
7.	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
8.	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
9.	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
10.	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
11.	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
12.	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
13.	Machine learning based intrusion detection framework for detecting security attacks in internet of things	Dr. Kantharaju V	Scientific Reports	https://doi.org/10.1038/s41598-024-81535-3
14.	FDSRN: Fractal Deep Spiking Neural Network for Breast Cancer	Sachin A. Urabinahatti	International Journal of Intelligent	https://inass.org/wp-content/uploads/2024/10/2025022967-3.pdf

	Detection Using Mammogram Images.		Engineering & Systems	
15.	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
16.	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
17.	Developing an Intelligent Resume Screening Tool With AI-Driven Analysis and Recommendation Features	K. L. Abhishek, M. Niranjanamurthy	Wiley online library	https://doi.org/10.1002/ail2.116
18.	Object Detection in video streaming by CUDA – GPU using Machine Learning Techniques	Dr. HemaMalini B H	TANZ(ISSN NO: 1869-7720)VOL19 ISSUE12 2024	DOI: 10.61350/TJ54367
19.	Analysis of Educational attainment of Students using Anova Test	Dr. HemaMalini B H	TANZ(ISSN NO: 1869-7720)VOL20 ISSUE01 2025	DOI: 10.61350/TJ54372

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/NMITCON65824.2025.11188329	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 Flash Floods in Smart Cities",	Dr Anupama H S	International Conference on Water Resources, Ocean and Environmental Engineering indexed in Scopus in 2025.	Design and Development of AI-Based Low-Cost Effective Prototype for Early-Warning and Monitoring of Urban Flash Floods in Smart Cities	SpringerLink	Scopus indexed
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	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

	Communication Systems, ICKECS			
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: Innovations, Constraints and the Path Toward Clinical Adoption	Dr. Archana Bhat	2025 International Conference on Computing for Sustainability and Intelligent Future (COMP-SIF)	10.1109/COMP-SIF65618.2025.10969924	Scopus indexed
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.ieee.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	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

			Applications," ERCICA 2024		
16.	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
17.	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
18.	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
19.	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
20.	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
21.	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
22.	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

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 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	AI's Role in Enhanced Automotive Safety, IGI Global Book Chapter	NLP Voice Assistance for IoT Autonomous Vehicles Using ML Algorithms for Seamless Navigation	Dr. Srivani P	DOI: 10.4018/979-8-3373-0442-7.ch023	IGI Global Book Chapter	Yes

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For the Academic Year 2023-24

Sl. No	Particular	Year				Count/
		2021-2022	2022-2023	2023-2024	2024-2025	Amount
1.	International Journal	05	05	11	19	**40**
2.	International Conference	09	11	19	22	**61**
3.	Book Chapters	01	00	04	04	**09**

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. Niranjanamurthy 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. Niranjanamurthy 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	Dr. Bharathi Malakreddy A	International Journal of Information Technology (Singapore)	25112104, 25112112	Q2- Scopus indexed Aug-2023 https://link.springer.com/article/10.1007/s41870-023-01373-w
5	Detection of Alzheimer's Disease Based on Cloud-Based Deep Learning Paradigm	Dr Niranjanamurthy 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 Niranjanamurthy M	Springer SN Computer science	Electronic ISSN 2661-8907	Q2- Scopus indexed Nov-2023 DOIhttps://doi.org/10.1007/s42979-023-02332-9
7	Balancing of Web Applications Workload Using Hybrid Computing (CPU–GPU) Architecture	Dr Chandarashekhar 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. Niranjanamurthy 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	Dr. Niranjanamurthy M	SN Computer Science - Springer		Q2- Scopus indexed March-2024 An Effective Hybrid Model for Fake News Detection in Social Media Using Deep Learning Approach	SN

	Learning Approach				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. Shanmugas undaram	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 sensor networks	Dr Archana Bhat	2022 3rd International Conference on Communication, Computing and Industry 4.0 (C2I4)	March-2023 **DOI:** 10.1109/C2I45687 6.2022.10051217	**ISBN:**978-1-6654-7497-9	Scopus
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/ICCMC5 6507.2023.10083686	**ISBN:**978-1-6654-6409-3	Scopus
3	Transactional and Sequential model for pre-processing the textual data	Dr. M. Niranjanamurt hy	*2023 4th International conference on intelligent engineering and management (ICIEM)*, pp. 1-6. IEEE, 2023.	July-2023 https://ieeexplore.ieee.o rg/abstract/document/10 167357 DOI: 10.1109/ICIEM59 379.2023.10167357	ISBN:979-8-3503-4113-3	Scopus
4	Global Positioning System Based Wildlife	DR. K R Pradeep	*2023 4th International Conference on Intelligent*	July-2023 DOI: 10.1109/ICIEM59 379.2023.10167080	ISBN:979-8-3503-4113-3	Scopus

	Animal Tracking System		*Engineering and Management (ICIEM)*	https://ieeexplore.ieee.org/abstract/document/10167080	DOI: 10.1109/ICIEM59379.2023.10167080 Publisher: IEEE	
5	Forecast Model for Scheduling an HPC Application on CPU and GPU Architecture 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	Aug-2023 **DOI:** 10.1109/CONIT59222.2023.10205724	**ISBN:**979-8-3503-3861-4	Scopus
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. Niranjanamurthy M	2023 Second International Conference On Smart Technologies For Smart Nation (SmartTechCon)	Jan-2024 **DOI:** 10.1109/SmartTechCon57526.2023.10391415	**ISBN:**979-8-3503-0542-5	Scopus
9	Research on Optimization Algorithm of Real Estate Enterprise Value Evaluation Based on BP Neural Network	Dr. Niranjanamurthy M(et.al)	2023 Second International Conference On Smart Technologies For Smart Nation (SmartTechCon)	Jan-2024 **DOI:** 10.1109/SmartTechCon57526.2023.10391563	**ISBN:**979-8-3503-0542-5	Scopus
10	Efficient Automatic Answer Evaluation System	Dr Niranjanamurthy M	2023 3rd International Conference on Mobile Networks and Wireless Communications (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 Niranjanamurthy 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) for Data Analysis	Dr Niranjanamurthy 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

			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 DOIhttps://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 Inhaler Integrated with Mobile Application."	Srivani, P., A. Durga Bhavani, and R. Shankar.	In *International Conference on Information and Communication Technology for Intelligent Systems*, pp. 559-566.Springer Nature 2023.	Sept-2023 https://doi.org/10.1007/978-981-99-3758-5_50	Online ISBN978-981-99-3758-5	Scopus

17	Chat Generative Pretrained Transformer (ChatGPT) for Data Analysis	Niranjanamurthy M	*2023 3rd International Conference on Mobile Networks and Wireless Communications (ICMNWC)*	*Feb-2024* *DOI: 10.1109/ICMNWC60182.2023.10435984*	**Electronic ISBN:**979-8-3503-1702-2	Scopus
18	Efficient Automatic Answer Evaluation System	Niranjanamurthy M	*2023 3rd International Conference on Mobile Networks and Wireless Communications (ICMNWC)*	*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	2023 4th International Conference on Intelligent Engineering and Management (ICIEM)	March-2023 DOI: 10.1109/ICIEM59379.2023.10167357	**Electronic ISBN**:979-8-3503-4112-6	Scopus

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. Niranjanamurthy M (et. al.)	doi.org/10.1002 /9781119879862.ch12	CRC Press _Taylor & Francis Group, LLC	Scopus
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	*Data Wrangling: Concepts, Applications and Tools.*	Niranjanamurthy, M.	https://books.google.co.in/books?hl=en&lr=&id=5LnGEAAAQBAJ&oi=fnd&pg=PP1&dq=Data+wrangling:+Concepts,+applications+and+tools&ots=nVsiKgGITw&sig=Gdo_2a4-rSSvspFiNh1OZ9Nlwno#v=onepage&q=Data%20wrangling%3A%20Concepts%2C%20applications%20and%20tools&f=false	John Wiley & Sons, 2023.	Scopus

Department of AI & ML

Sl. No	Particular	Year				Count/ Amount
		2021-2022	2022-2023	2023-2024	2024-2025	
1.	International Journal	05	05	11	19	**40**
2.	International Conference	09	11	19	22	**61**
3.	Book Chapters	01	00	04	04	**09**

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 Malakreddy A	Future Generation Computer Systems	0167739X	**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 Niranjanamurthy M	Mathematics	22277390	**Q1-SCI Indexed** Month : May Year of Publication :Jul 2023 Page No : 2983 https://www.mdpi.com/2227-7390/11/13/2983

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 and Information Processing, CCIP 2022	Date/Year of Publication: 2022 DOI Link: https://ieeexplore.ieee.org/document/10058633
2	Novel Approaches to Improve the Production of Cost-Effective Software Artifacts	Dr Niranjanamurthy 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/10.1007/9

				78-981-19-3575-6_6 ISBN/ISSN Number: 21903026, 21903018
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/1016965 2
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 Integrated with Mobile Application."	Srivani, P., A.	In *International Conference on Information and Communication Technology for Intelligent Systems*,-pp. 559-566. Singapore: Springer Nature Singapore, 2023.	Date/Year of Publication: Setp-2023 DOI: https://doi.org/10.100 7/978-981-99-3758-5_50

Department of AI & ML

FACULTY CONTRIBUTION YEAR- 2021-2022

Sl. No	Particular	Year				Count/ Amount
		2021-2022	2022-2023	2023-2024	2024-2025	
1.	International Journal	05	05	11	19	**40**
2.	International Conference	09	11	19	22	**61**
3.	Book Chapters	01	00	04	04	**09**

INTERNATIONAL JOURNAL

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**

INTERNATIONAL CONFERENCE

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**
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,	https://ieeexplore.ieee.org/abstract/document/9777231	April-2022	**Scopus**

Sl. No.		Author	Conference	Link	Date	Index
			Cheranmahadevi, Tirunelveli, India.			
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

Sponsored Research Project

Sl. No.	Principal Investigator	Title of Project	Funding Agency	Amount (Rs. in Lakhs)	Remark (if any)
1	Dr. Bharathi M.A (PI)	Establishment Of Centre for Design and Research of Health Care Applications Using Artificial Intelligence	VGST-K-Fist	20.00	**Sectioned On 2019** **Completed on 2024**