



# BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

Yelahanka, Bengaluru 560 064

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  <a href="https://doi.org/10.3389/frac.2025.1583079">https://doi.org/10.3389/frac.2025.1583079</a>
4	Secure Patient Data Management Using Blockchain Technology	Dr. Archana Bhat	International Journal of Environmental Sciences	<a href="https://doi.org/10.64252/t5zq7n93">Q4 - Scopus indexed https://doi.org/10.64252/t5zq7n93</a>

5	Comparative Assessment of Machine Learning Models for Predicting Glucose Intolerance Risk	Dr. Manoj H M	SN Computer Science - A Springer Nature Journal	SN Computer Science (2024) 5:894 <a href="https://doi.org/10.1007/s42979-024-03259-5">https://doi.org/10.1007/s42979-024-03259-5</a>
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	<a href="https://doi.org/10.1007/s42979-024-03259-5">DOI:20.14118.jsee.2025.V35I2.2130</a>
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	<a href="https://inass.org/wp-content/uploads/2025/01/2025043058-2.pdf">https://inass.org/wp-content/uploads/2025/01/2025043058-2.pdf</a>
9	Access management based on deep reinforcement learning for	Dr. Kantharaju V	International Journal of System Assurance Engineering and	<a href="https://doi.org/10.1007/s13198-024-02596-1">https://doi.org/10.1007/s13198-024-02596-1</a>

	effective cloud storage security		Management	
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	<a href="https://inass.org/wp-content/uploads/2024/09/2024123162-1.pdf">https://inass.org/wp-content/uploads/2024/09/2024123162-1.pdf</a>
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	<a href="https://inass.org/wp-content/uploads/2024/09/2024123161-2.pdf">https://inass.org/wp-content/uploads/2024/09/2024123161-2.pdf</a>
12	Machine learning based intrusion detection framework for detecting security attacks in internet of things	Dr. Kantharaju V	Scientific Reports	<a href="https://doi.org/10.1038/s41598-024-81535-3">https://doi.org/10.1038/s41598-024-81535-3</a>
13	FDSRN: Fractal Deep Spiking Neural Network for Breast Cancer Detection Using	Sachin A. Urabinahatti	International Journal of Intelligent Engineering & Systems	<a href="https://inass.org/wp-content/uploads/2024/10/2025022967-3.pdf">https://inass.org/wp-content/uploads/2024/10/2025022967-3.pdf</a>

	Mammogram Images.			
14	Video inpainting using hybrid DMN-EfficientNet with LGSR.	Sachin A. Urabinahatti	International Journal of Wireless and Mobile Computing	<a href="https://doi.org/10.1504/IJWMC.2025.148109">https://doi.org/10.1504/IJWMC.2025.148109</a>
15	Classification of animal species using efficient neuron attention stage-by-stage network	Sachin A. Urabinahatti	Engineering Applications of Artificial Intelligence	<a href="https://doi.org/10.1016/j.engappai.2025.111488">https://doi.org/10.1016/j.engappai.2025.111488</a>
16	Developing an Intelligent Resume Screening Tool With AI-Driven Analysis and Recommendation Features	K. L. Abhishek, M. Niranjana Murthy	Wiley online library	<a href="https://doi.org/10.1002/ail.2.116">https://doi.org/10.1002/ail.2.116</a>

### 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	<a href="https://ieeexplore.ieee.org/document/11167024">https://ieeexplore.ieee.org/document/11167024</a>	Scopus indexed
3	Developing an Application for Managing and Creating Private Keys for Cryptographic Communication	Balaraju G	2024 Asian Conference on Intelligent Technologies (ACOIT)	<a href="https://ieeexplore.ieee.org/document/10941108">https://ieeexplore.ieee.org/document/10941108</a>	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)	<a href="https://ieeexplore.ieee.org/document/10837279">https://ieeexplore.ieee.org/document/10837279</a>	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)	<a href="https://ieeexplore.ieee.org/document/10837455">https://ieeexplore.ieee.org/document/10837455</a>	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
8	Heart Disease Prediction Using Classification Techniques of Supervised Machine Learning	Balaraju G	2024 Second International Conference on Networks, Multimedia and Information Technology (NMITCON)	<a href="https://ieeexplore.ieee.org/document/10699057">https://ieeexplore.ieee.org/document/10699057</a>	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	10.1109/ETCC65847.2025.11108468	Scopus indexed

			Communication (ETCC)		
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	<u>2025 International Conference on Computing for Sustainability and Intelligent Future (COMP-SIF)</u>	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	<a href="https://ieeexplore.ieee.org/abstract/document/11166909">https://ieeexplore.ieee.org/abstract/document/11166909</a>	Scopus indexed
14	Advancements in Intelligent Hydroponics Systems: A Comprehensive Review	Mayuri K P	Data Mining and Information Security. ICDMIS 2024	<a href="https://link.springer.com/chapter/10.1007/978-981-96-6046-9_18">https://link.springer.com/chapter/10.1007/978-981-96-6046-9_18</a>	Scopus indexed
15	Recognition of Sign Language Using E-CNN	Dr. Manoj H M	Springer Nature Singapore Pte Ltd. 2025 , The International	L. M. Patnaik et al. (eds.), Advances in Communication and Applications,	Scopus indexed

			Conference on “Emerging Research in Computing, Information, Communication and Applications,” ERCICA 2024	Lecture Notes in Electrical Engineering 1398, <a href="https://doi.org/10.1007/978-981-96-4679-1_30">https://doi.org/10.1007/978-981-96-4679-1_30</a>	
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/NMITCON65824.2025.11188080 <a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=11188080">https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;arnumber=11188080</a>	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)	<a href="https://ieeexplore.ieee.org/document/10691078">https://ieeexplore.ieee.org/document/10691078</a>	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)	<a href="https://ieeexplore.ieee.org/document/10690940">https://ieeexplore.ieee.org/document/10690940</a>	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)	<a href="https://ieeexplore.ieee.org/document/10691122">https://ieeexplore.ieee.org/document/10691122</a>	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)	<a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10691050">https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10691050</a>	Scopus indexed



21	Secure Automated Smart Home	Sanjay M Belgaonkar	2024 11th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI)	<a href="#">DOI: 10.1109/EECSI63442.2024.10776090</a>	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 (ICMNBC)	DOI: 10.1109/ICMNBC63764.2024.10871954	Scopus indexed
23	Neural Network-Based Signal Processing in VLSI Circuits	Sanjay M Belgaonkar	2025 13th International Conference on Smart Grid (icSmartGrid)	<a href="#">DOI: 10.1109/icSmartGrid66138.2025.11071834</a>	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

### 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	<a href="#">6G Cyber Security Resilience: Trends and Challenges</a>	Dr. Bharathi M A Dr. Rajesh I S,	Print -ISBN978-3-031-85007-3 Online -ISBN978-3-031-85008-0 <a href="https://doi.org/10.1007/978-3-031-85008-0_5">https://doi.org/10.1007/978-3-031-85008-0_5</a>	Springer, Cham	Yes
2	5 Quantum Computing	Quantum Computing Necessary Applications for Future	Dr. M Niranjnamurthy	1040321887, 9781040321881	CRC Press	Yes
3	Mathematical Modeling in Agriculture	Mathematical Modeling in Agriculture	Dr. M Niranjnamurthy	1394233698, 9781394233694	John Wiley & Sons	Yes
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