MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE

Belawadi, Naguvanahalli Post, Srirangapatna Taluk, Mandya-571438

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Table: No of Journals/Conferences published Year wise

Year	International journals	International conferences	Scopus indexed/ UGC	SCI index/WoS
2023-2024	**2**	**2**	**2**	**-**
2022-2023	**10**	**1**	**5**	**2**
2021-2022	**10**	**1**	**5**	**1**
2020-2021	**5**	**4**	**5**	**-**

AY 2023-2024

Sl. No	Title of the paper	Author	Volume	Journal/Conference	DOI/ ISSN	Citations
1	Semi-supervised labelling of chest x-ray images using unsupervised clustering for ground-truth generation	Dr Murali S	Volume 2, Issue-3, Dec-2023	Applied Engineering and Technology	2829-4998	9
2	Automatic Fruit Detection Using Multilayer Neural Network	Dr Hemanth S R	Volume 7, Issue-8, Aug-2023	International Journal of Scientific Research in Engineering and Management	2581-3930	0
3	xAI: An Explainable AI Model for the Diagnosis of COPD from CXR Images	Dr Murali S	Not Applicable	2023 IEEE 2nd International Conference on Data, Decision and Systems (ICDDS)	10.1109/ICDDS59137.2023.10434619	3
4	COPDNet: An Explainable ResNet50 Model for the Diagnosis of COPD from CXR Images	Dr Murali S	Not Applicable	IEEE 4th Annual Flagship India Council International Subsections Conference	Not Applicable	3
AY 2022-23						
1	CX-Net: an efficient ensemble semantic deep neural network for ROI identification from chest-x-ray images for COPD diagnosis	Dr Murali S	Volume 4, Issue-2, May-2023	Machine Learning: Science and Technology	2632-2153	9

2	i-Net: a deep CNN model for white blood cancer segmentation and classification	Dr Murali S	Volume 9, Issue-95, Oct-2022	International Journal of Advanced Technology and Engineering Exploration	2394-5443	11
3	Deep Learning for Logo Classification	Dr Ranjith K C	Volume 13, Issue-3, Oct-2022	Journal Of Algebraic Statistics	1309-3452	0
4	A Fingerprint Retrieval System Using Bag of Features of SIFT and SURF	Dr Ranjith K C	Volume 71, Issue-4, Nov-2022	Mathematical Statistician and Engineering Applications	2094-0343	0
5	Reliable Routing Of Emergency Data In Wireless Body Area Networks Under Static And Mobile Scenarios	Dr Hemanth S R	Volume 10, Issue-6, May-2022	International Journal of Advanced Research	2320-5407	0
6	Performance Enhancement Strategies for Routing Protocols During Mobility in Wireless Body Area Network	Dr Hemanth S R	Volume 9, Issue-1, June-2022	International Journal Of Innovative Research In Technology	2349-6002	0
7	Stability and Effective process control for secure Email Filtering	Yashaswini A R	Volume 10, Issue-1, Jan-2023	International Journal on Recent and Innovation Trends in Computing and Communication	2321-8169	0
8	An approach for camera calibration for robot navigation in an indoor environment using single 2d Image of corridor wall and wall junction	Dr Honnaraju B	Volume 38, Issue-1, 2023	Journal of Data Acquisition and Processing	1004-9037	0
9	Role of Artificial Intelligence in Business transformation of Health Care Industry	Dr Shivmurthy R C, Yashavanth T R	Volume 10, Issue-1, July-2023	International Journal of Management and Social science Research Review	2349-6738	0
10	Multimodal Biometric Authentication system with privacy protection for Database	Yashavanth T R	Volume 55, Issue-1, Jan-2023	International journal of Advanced Engineering Science	2096-3246	0
11	Performance analysis of Multimodal Biometric system using LBP and PCA	Yashavanth T R	Not Applicable	International conference on recent trends in Electronics and communication	Not Applicable	0
AY 2021-22						
1	ResNet-50 vs VGG-19 vs Training from Scratch: A	Dr Murali S	Volume 2, Issue 2, Nov. 2021	Global Transition Proceedings	https://doi.org/10.101	137

	comparative analysis of the segmentation and classification of Pneumonia from chest x-ray images				6/j.gltp.2021.08.027	
2	A device to detect dairy product freshness	Dr Lokesh M R	Volume 8, Issue-1, July-2022	International journal of scientific and engineering research	2229-5518	0
3	Machine learning approach for protecting the information traffic with firewall for smart IoT devices and network	Dr Lokesh M R	Volume 10, Issue-11, Nov-2021	International journal of Biology, pharmacy and Allied sciences	2277-4998	0
4	SDN network Load balncing using environmental congenital ACO methodology	Dr Lokesh M R	Volume 10, Issue-11, Nov-2021	International journal of Biology, pharmacy and Allied sciences	2277-4998	0
5	Multimodal Biometric Recognition Using Score Level Fusion	Dr Ranjith K C	Volume 20, Issue-06, Nov-2022	Neuro-Quantology	1303-5150	0
6	An Hybrid Method for Fingerprint Image Classification	Dr Ranjith K C	Not Applicable	International Conference on Cognition and Recongition	Not Applicable	1
7	Six Sigma DMAIC approach based mobile application for statistical analysis of COVID-19 Data	Dr Lokesh M R	Apr-2022	International journal of pervasive computing and communications	1742-7371	0
8	Mobile App usage behaviour based user authentication using fuzzy random forest	Dr Lokesh M R	Volume 12, Issue-02, 2022	Journal of system and management sciences	1816-6075	0
9	Decision support system for crop price prediction	Mahesha K	Volume 11, Issue-08, July-2022	Science, Technology and Development	0950-0707	0
10	Design and development of predictive analysis of student stress levels using machine learning	Yahavanth T R	Volume 11, Issue-08, July-2022	Science, Technology and Development	0950-0707	0
11	Detection of Diabetic retinopathy using deep learning	Bhavya M R	Volume 10, Issue-08, July-2022	International journal for research in applied science and Engineering Technology	2321-9653	0
AY 2020-21						
1	Identification of Fake VS Original logos using Deep	Dr Ranjith K C	Volume 12, Issue-12, May-2021	Turkish Journal of Computer and Mathematics	3770-3780	1

	Learning			Education		
2	Energy Efficient Routing Protocol For Wireless Body Area Networks (Eer-W) Using Cost Computation And Controlled Hello Packet Broadcast	Dr Hemanth S R	Volume 12, Issue-1, Feb-2021	Indian journal of computer science and Engineering	2231-3850	0
3	A framework for image retrieval system using contribution mechanism	Dr Shivmurthy R C	Volume 7, Issue-12, 2020	GIS science journal	1869-9391	0
4	Explicit study on procedures of design and development of framework for content based image retrieval	Dr Shivmurthy R C	Volume 7, Issue-12, 2020	GIS science journal	1869-9391	0
5	Procedures of design and development of framework for content based image retrieval	Dr Shivmurthy R C	Volume 11, Issue-12, Dec 2020	International journal of advanced research in engineering and technology	0976-6499	0
6	Resnet-50 Vs VGG-19 Vs training from scratch: A comparative analysis of pneumonia from chest X-ray images.	Dr Murali S	Not Applicable	International conference on computing system and its applications, July 2021.	Not Applicable	121
7	Deep Learning Assisted Active net Segmentation of vehicles for smart traffic management.	Dr Murali S	Not Applicable	International conference on computing system and its applications, July 2021.	Not Applicable	0
8	Site Reliability Engineering for IOS Mobile Application in Small-Medium Scale industries.	Dr Lokesh M R	Not Applicable	International conference on computing system and its applications, July 2021.	Not Applicable	0
9	Analyzing Mental Health Evaluation Techniques from a statistical perspective	Dr Deepu R	Not Applicable	International conference on Integrated Intelligent computing, communication and security.	Not Applicable	0

Table 5.7.1.A: Details of Paper Published by the Faculty members

List of Ph.D Scholars registered for PhD at MIT R&D Centre, VTU with Guide names.

Sl.No.	Research Guide	Name of the Research Scholar	University/Year of Registration	Title of the Research	Current Status
1	Dr. Murali.S	Dr. Honnaraju B	VTU/2013	Image Fusion Techniques for Remote Sensing Applications	Awarded in 2021
		Victor Ikechukwu Aga	UOM/2018	Hybrid approach for early detection of chronic obstructive pulmonary diseases	Thesis submitted
		Lethan M N	VTU/2021	Classification of homing pigeons based on wing pattern using Image processing Techniques	Pursuing
		Suma R	VTU/2021	Estimation of depth in images and calibration of camera by using machine learning techniques	Pursuing
		Akshatha M	VTU/2023	Not yet decided	Registered
		Mahalakshmi M	VTU/2023	Not yet decided	Pursuing
2	Dr. Shivamurthy R C.	M Sharmila Begum	UOM/2021	Frame Work For Design and Development of Non-Invasive Method of Anemia Detection in Rural Areas	Comprehensive viva completed
		Rudresh Y R	UOM/2021	Detection of Lung Cancer using CT scan	Pursuing

List of Faculty who have registered/awarded for PhD while working in MIT

ID	Scholar Name	Guide Name	Research Center Dept.	Research Center College	Registered University Name	Registration Year	Status as on 27th April 2024	If Awarded then	Title of your Research Work

								Awarded Month and Year	
1	Pradeep B M	Dr. shivshankara	CSE	Government college of Engineering, K R Pete.	VTU BELAGAVI	2021	Pursuing		Design and development of novel algorithm for forgery detection in video forensics using machine learning algorithms.
2	Shashanka H S		CSE	Shridhar University	Shridhar University, Chirawa	2023	Pursuing		Advancing human-robot interaction through artificial intelligence: the role of cognitive robotics
3	Yashaswini A R	Dr Natesh M	CSE	VVCE	VTU BELAGAVI	2021	Pursuing		Sugarcane crop monitoring using modern technologies.
4	Hemanth S R	Dr Sanjay Pandey M B	CSE		VTU BELAGAVI		Awarded	August 2023	An algorithmic model for design of reliable and energy efficient protocols for wireless network on the human body.
5	Ranjith K C	Dr Sharath kumar Y H	CSE	MIT Mysore	VTU BELAGAVI	2016	Awarded	July 2023	Detection and Classification of Logos in Documents
6	Honnaraju B	Dr Murali S	CSE	MIT Mysore	VTU BELAGAVI	2013	Awarded	2021	Robotic path planningusing 3D view generation with single camera.
7	Santosh E	Dr R Girisha	CSE	PESCE	University of	2015	Pursuing		Detection of

				Mandya	Mysuru				Suspicious Objects by Analysis of Human Behaviour in a Scenario
8	Nanda kumar		CSE		VTU BELAGAVI		Pursuing		
9	Akshatha M	Dr Murali S	CSE	MIT, Mysore	VTU BELAGAVI	2023	Pursuing		AI/ML approach for studying the weather and climate over Karnataka region.
10	Sahana B R	Dr Sharath kumar Y H	CSE	MIT, Mysore	VTU BELAGAVI	2023	Pursuing		Ayur leaf A machine learning approach for classification of medicinal leaf
11	Meenakshi H	Dr Ravichandra Kulkarni	CSE	MIT, Mysore	VTU BELAGAVI	2023	Pursuing		Uninterrupted Power Supply Scheme For Data Sensitive Iot Networks
12	Reena Mol		CSE		VTU BELAGAVI		Pursuing		
13	Victor Ikechukwu Aga	Dr Murali S	CSE	MIT, Mysore	University of Mysuru	2018	Thesis Submitted		Machine Learning Algorithm for the Diagnosis of Chronic Obstructive Pulmonary Diseases from Chest X-ray images
14	Pallavi Y	Dr M Ravishankar	CSE	Dayanand Sagar	VTU	2021	Pursuing		An approach towards automation of

					cervical cancer detection from PAP smear images.

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		Victor Ikechukwu Aga	UOM/2018	Hybrid approach for early detection of chronic obstructive pulmonary diseases	Thesis submitted
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		Suma R	VTU/2021	Estimation of depth in images and calibration of camera by using machine learning techniques	Pursuing
		Akshatha M	VTU/2023	Not yet decided	Registered

		Mahalakshmi M	VTU/2023	Not yet decided	Pursuing
2.	Dr. Shivamurthy R C.	M Sharmila Begum	UOM/2021	Frame Work For Design and Development of Non-Invasive Method of Anemia Detection in Rural Areas	Comprehensive viva completed
		Rudresh Y R	UOM/2021	Detection of Lung Cancer using CT scan	Pursuing
3.	Dr Sharath kumar Y H	Ranjith K C	VTU/2016	Detection and Classification of Logos in Documents	Awarded in 2023
		Somshekar B M	VTU/2016	An Integrated Biometric Authentication system using face and finger print	Awarded in 2023
		Thenarasi v	UOM/2022	Script Identification from Multilingual document on Indian scripts	Pursuing
		Sahana B R	VTU/2023	Ayur leaf A machine learning approach for classification of medicinal leaf	Pursuing
		Pavithra N	VTU/2016	Indexing Approaches in Sketch based Image and Video Retrieval	Awarded in 2023
		Narayan Naik	VTU/2017	The Approaches for classification of microarray data	Pursuing
		Dharmaraj K B	VTU/2021	cover song detection using deep learning	Pursuing

		Premsingh M	UOM/2021	An Approach for Classification and Retrieval of Cartoons	Pursuing
		Puneeth P	VTU/2017	"Computer Vision Approaches For Detection and Classification of Text in Natural Scene"	Pursuing
		Manjunath B	UOM/2021	Machine Learning Approaches for Classification of Kannada Epigraphical Document Images	Pursuing
		Smithashree K R	VTU/2023	AUTOMATIC DETECTION AND STAGING OF LUNG TUMORS USING MACHINE LEARNING APPROACHES	Pursuing
4.	Dr Chethan H K	Rashmi R	UOM/2022	Soft computing techniques for content based text to video retrieval	Pursuing
		Mahadev Prasad	UOM/2019	Machine Learning Techniques For Printed Kannada Text Recognition In Scene Images	Pursuing
		Meghana J H	UOM/2020	Computer Vision Based Approaches for Yoga Pose Classification	Pursuing
		Rajashekara M	UOM/2018	Robust Copy Move and Splicing Forgery Detection Techniques for Digital Images	Pursuing
		Shruthi D	UOM/2021	Code Summarization using Machine Learning Techniques	Pursuing
		Shruthi S V	UOM/2022	Malpractice Activity detection for online proctoring using deep learning techniques	Pursuing

		Dheemanth Urs	UOM/2018	An approach: identification and restoration of appropriate strike out words in a document	Pursuing
		Poornima k	UOM/2023	Not decided	Pursuing
		Reem Jalloul	UOM/2021	Machine learning Approach for Breast Cancer Detection and Classification	Pursuing
5.	Dr Pushpa D	Mahima M Gowda	VTU/2020	Hybrid Domain Specific sentiment analysis for social Media based product Recommendation from both direct and latent sentiment through semantic association	Pursuing
		Kavya Ravishankar	VTU/2017	Intelligent Path Planning for Mobile Robots: Machine Learning Approach	Pursuing
		Shyleshwari M shetty	VTU/2021	Smart Simon bot in IoT applications using machine learning approach	Pursuing
6.	Dr Chandrajith M	Shilpa P	UOM/2021	Vision based Toddler Activity Recognition	Pursuing
		Mahesh D M	UOM/2022	Software computing techniques to detect stages in melanoma skin cancer	Pursuing
		Muddukrishna	UOM/2022	Sugarcane Growth Monitoring using Soft Computing Techniques	Pursuing
7.	Dr Vasudev T	Sneha D P	UOM/2021	Vision Based Multilevel Contact Tracking for Humans	Pursuing

	Soumya B J	UOM/2019	Transformation of Distorted Text Lines in Printed Document Images for Better Readability by OCR Systems.	Pursuing

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2022-2023	**10**	**1**	**5**	**2**
2021-2022	**9**	**1**	**5**	**-**
2020-2021	**5**	**4**	**5**	**-**

AY 2023-2024

Sl. No	Title of the paper	Author	Volume	Journal/Conference	DOI/ ISSN	Citations
1	Semi-supervised labelling of chest x-ray images using unsupervised clustering for ground-truth generation	Dr Murali S	Volume 2, Issue-3, Dec-2023	Applied Engineering and Technology	2829-4998	1
2	Automatic Fruit Detection Using Multilayer Neural Network	Dr Hemanth S R	Volume 7, Issue-8, Aug-2023	International Journal of Scientific Research in Engineering and Management	2581-3930	0
3	COPDNet: An Explainable ResNet50 Model for the Diagnosis of COPD from CXR Images	Dr Murali S	Not Applicable	IEEE 4th Annual Flagship India Council International Subsections Conference	Not Applicable	3
4	Optimal Path Planning Approach for Static and Dynamic Using Genetic	Dr Pushpa D	Volume 27, Issue-4, 2023	Korean Journal of Physiology and Pharmacology	1226-4512	0

#		Author	Volume/Issue	Journal	ISSN	Citations
	Algorithm					
5	I-Randomly Exploring Algorithm for Wheeled Mobile Robot Path Planning	Dr Pushpa D	Not Applicable	International Conference on Evolutionary Computing and Mobile Sustainable Networks	Not Applicable	0
6	GA And DABC Heuristics in Path Planning	Dr Pushpa D	Volume 23, Issue-12, Dec-2022	Bulletin Monumental	0007-473X	
AY 2022-23						
1	CX-Net: an efficient ensemble semantic deep neural network for ROI identification from chest-x-ray images for COPD diagnosis	Dr Murali S	Volume 4, Issue-2, May-2023	Machine Learning: Science and Technology	2632-2153	9
2	i-Net: a deep CNN model for white blood cancer segmentation and classification	Dr Murali S	Volume 9, Issue-95, Oct-2022	International Journal of Advanced Technology and Engineering Exploration	2394-5443	11
3	Digital Equipment For Pandemic A Review	Dr Pushpa D	Volume 23, Issue-12, Dec-2022	Bulletin Monumental	0007-473X	0
4	Floor Segmentation Approach Using FCM and CNN	Dr Pushpa D	Volume 2, Issue-1, Mar-2023	Acadlore Transactions on AI and Machine Learning	https://doi.org/10.56578/ataiml020104.	0
5	Deep Learning for Logo Classification	Dr Ranjith K C	Volume 13, Issue-3, Oct-2022	Journal Of Algebraic Statistics	1309-3452	0
6	A Fingerprint Retrieval System Using Bag of Features of SIFT and SURF	Dr Ranjith K C	Volume 71, Issue-4, Nov-2022	Mathematical Statistician and Engineering Applications	2094-0343	0
7	Reliable Routing Of Emergency Data In Wireless Body Area Networks Under Static And Mobile Scenarios	Dr Hemanth S R	Volume 10, Issue-6, May-2022	International Journal of Advanced Research	2320-5407	0
8	Performance Enhancement Strategies for Routing Protocols During Mobility in Wireless Body Area Network	Dr Hemanth S R	Volume 9, Issue-1, June-2022	International Journal Of Innovative Research In Technology	2349-6002	0
9	Stability and Effective process	Yashaswini A R	Volume 10, Issue-1, Jan-2023	International Journal on	2321-8169	0

	control for secure Email Filtering			Recent and Innovation Trends in Computing and Communication		
10	An approach for camera calibration for robot navigation in an indoor environment using single 2d Image of corridor wall and wall junction	Dr Honnaraju B	Volume 38, Issue-1, 2023	Journal of Data Acquisition and Processing	1004-9037	0
11	Role of Artificial Intelligence in Business transformation of Health Care Industry	Dr Shivmurthy R C, Yashavanth T R	Volume 10, Issue-1, July-2023	International Journal of Management and Social science Research Review	2349-6738	0
12	Multimodal Biometric Authentication system with privacy protection for Database	Yashavanth T R	Volume 55, Issue-1, Jan-2023	International journal of Advanced Engineering Science	2096-3246	0
13	Performance analysis of Multimodal Biometric system using LBP and PCA	Yashavanth T R	Not Applicable	International conference on recent trends in Electronics and communication	Not Applicable	0
AY 2021-22						
1	Artificial Intelligence-Based Approach for Misogyny and Sarcasm Detection from Arabic Texts	Dr Pushpa D	Volume 2022	Computational Intelligence and Neuroscience	https://doi.org/10.1155/2022/7937667	34
2	A device to detect dairy product freshness	Dr Lokesh M R	Volume 8, Issue-1, July-2022	International journal of scientific and engineering research	2229-5518	0
3	Machine learning approach for protecting the information traffic with firewall for smart IoT devices and network	Dr Lokesh M R	Volume 10, Issue-11, Nov-2021	International journal of Biology, pharmacy and Allied sciences	2277-4998	0
4	SDN network Load balncing using environmental congenital ACO methodology	Dr Lokesh M R	Volume 10, Issue-11, Nov-2021	International journal of Biology, pharmacy and Allied sciences	2277-4998	0
5	Multimodal Biometric Recognition Using Score Level Fusion	Dr Ranjith K C	Volume 20, Issue-06, Nov-2022	Neuro-Quantology	1303-5150	0
6	An Hybrid Method for Fingerprint Image Classification	Dr Ranjith K C	Not Applicable	International Conference on Cognition and Recongition	Not Applicable	1

7	Six Sigma DMAIC approach based mobile application for statistical analysis of COVID-19 Data	Dr Lokesh M R	Apr-2022	International journal of pervasive computing and communications	1742-7371	0
8	Mobile App usage behaviour based user authentication using fuzzy random forest	Dr Lokesh M R	Volume 12, Issue-02, 2022	Journal of system and management sciences	1816-6075	0
9	Decision support system for crop price prediction	Mahesha K	Volume 11, Issue-08, July-2022	Science, Technology and Development	0950-0707	0
10	Design and development of predictive analysis of student stress levels using machine learning	Yahavanth T R	Volume 11, Issue-08, July-2022	Science, Technology and Development	0950-0707	0
11	Detection of Diabetic retinopathy using deep learning	Bhavya M R	Volume 10, Issue-08, July-2022	International journal for research in applied science and Engineering Technology	2321-9653	0
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3	A framework for image retrieval system using contribution mechanism	Dr Shivmurthy R C	Volume 7, Issue-12, 2020	GIS science journal	1869-9391	0
4	Explicit study on procedures of design and development of framework for content based image retrieval	Dr Shivmurthy R C	Volume 7, Issue-12, 2020	GIS science journal	1869-9391	0
5	Procedures of design and development of framework for content based image retrieval	Dr Shivmurthy R C	Volume 11, Issue-12, Dec 2020	International journal of advanced research in engineering and technology	0976-6499	0
6	Resnet-50 Vs VGG-19 Vs training from scratch: A	Dr Murali S	Not Applicable	International conference on computing system and its	Not Applicable	121

	comparative analysis of pneumonia from chest X-ray images.			applications, July 2021.		
7	Deep Learning Assisted Active net Segmentation of vehicles for smart traffic management.	Dr Murali S	Not Applicable	International conference on computing system and its applications, July 2021.	Not Applicable	0
8	Site Reliability Engineering for IOS Mobile Application in Small-Medium Scale industries.	Dr Lokesh M R	Not Applicable	International conference on computing system and its applications, July 2021.	Not Applicable	0
9	Analyzing Mental Health Evaluation Techniques from a statistical perspective	Dr Deepu R	Not Applicable	International conference on Integrated Intelligent computing, communication and security.	Not Applicable	0

Resources available in R&D Laboratory

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Sl. No.	System Configuration	No of Systems	Software	Cost	Date of Purchase
1	I3, 4GB-DDR3 - 500GB-HDD	5	Windows	1,65,000	19/08/2013
2			Cadence	6,65,124	09/2021
3.	Intel Atom Innovation Kit (inforce Board)	10	--	Donated (Rs. 4,51582/-)	06/04/2014
4	ARM 7 Cortex M3 Kit	5	--	Donated (Rs. 43,951/-)	25/2/2015
5	MSP 430 Lunchbox	15	--	Donated (Rs. 8,362/-)	08/01/2021