



# MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE

Belawadi, Naguvanahalli Post, Srirangapatna Taluk, Mandya-571438

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



## List of Supervisors at Maharaja Research Foundation:

1. Dr. Murali.S
2. Dr. Shivamurthy R C.
3. Dr. Vasudev T
4. Dr. Chethan H K
5. Dr. Sharath Kumar Y H
6. Dr. Pushpa D
7. Dr. Chandrajith M



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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	Robotic path planning using 3D view generation with single camera.	Awarded in 2021
		Victor Ikechukwu Agughasi	UOM/2019	Hybrid approach for early detection of chronic obstructive pulmonary diseases	Awarded in 2024
		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	Pre-registration Colloquium 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
		Prem Singh 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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Year	International journals	International conferences	Scopus indexed/ UGC	SCI index/WoS
<b>2023-2024</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>-</b>
<b>2022-2023</b>	<b>12</b>	<b>1</b>	<b>5</b>	<b>2</b>
<b>2021-2022</b>	<b>11</b>	<b>1</b>	<b>5</b>	<b>1</b>
<b>2020-2021</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>-</b>

### 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 (INDISCON)	10.1109/INDISCON58499.2023.10270604	5
5	Optimal Path Planning Approach for Static and Dynamic Using Genetic Algorithm	Dr Pushpa D	Volume 27, Issue-4, 2023	Korean Journal of Physiology and Pharmacology	1226-4512	0

6	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
7	GA And DABC Heuristics in Path Planning	Dr Pushpa D	Volume 23, Issue-12, Dec-2022	Bulletin Monumental	0007-473X	0
<b>AY 2022-23</b>						
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	17
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	12
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	<a href="https://doi.org/10.56578/ataiml020104">https://doi.org/10.56578/ataiml020104</a>	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 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
10	An approach for camera	Dr Honnaraju B	Volume 38, Issue-1, 2023	Journal of Data Acquisition	1004-9037	0

	calibration for robot navigation in an indoor environment using single 2d Image of corridor wall and wall junction			and Processing		
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
<b>AY 2021-22</b>						
1	ResNet-50 vs VGG-19 vs Training from Scratch: A comparative analysis of the segmentation and classification of Pneumonia from chest x-ray images	Dr Murali S	Volume 2, Issue 2, Nov. 2021	Global Transition Proceedings	<a href="https://doi.org/10.1016/j.gltp.2021.08.027">https://doi.org/10.1016/j.gltp.2021.08.027</a>	137
2	Artificial Intelligence-Based Approach for Misogyny and Sarcasm Detection from Arabic Texts	Dr Pushpa D	Volume 2022	Computational Intelligence and Neuroscience	<a href="https://doi.org/10.1155/2022/7937667">https://doi.org/10.1155/2022/7937667</a>	34
3	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
4	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
5	SDN network Load balancing 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
6	Multimodal Biometric Recognition Using Score Level Fusion	Dr Ranjith K C	Volume 20, Issue-06, Nov-2022	Neuro-Quantology	1303-5150	0
7	An Hybrid Method for	Dr Ranjith K C	Not Applicable	International Conference on		1



	Fingerprint Image Classification			Cognition and Recongition	Not Applicable	
8	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
9	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
10	Decision support system for crop price prediction	Mahesha K	Volume 11, Issue-08, July-2022	Science, Technology and Development	0950-0707	0
11	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
12	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
<b>AY 2020-21</b>						
1	Identification of Fake VS Original logos using Deep Learning	Dr Ranjith K C	Volume 12, Issue-12, May-2021	Turkish Journal of Computer and Mathematics Education	3770-3780	1
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