

KLE Institute of Technology, Hubballi 580 027
Faculty Profile



Dr. Medha Kudari

B.Sc., M.Sc.(CS), M.Phil., NET, KSET, Ph.D.(CS)

1.	Educational, professional qualifications, and Training				
1.1.	Educational Qualification				
Sl. No.	Degree	University / College	Discipline	Year of passing	Class obtained
a)	Ph.D	Karnatak University, Dharwad	Computer Science	2019	Not applicable
b)	NET	Not applicable	Computer Science and Applications	Nov 2017	Not applicable
c)	SET	Not applicable	Computer Science and Applications	Dec 2017	Not applicable
d)	M.Phil	Alagappa University, Karaikudi, Tamil Nadu	Computer Science	2013	First Class
e)	Master of Science	Mangalore University	Computer Science	2005	First Class with Distinction
f)	Bachelor of Science	Mangalore University	Physics, Mathematics, Computer Science	2003	First Class
1.2.	Training programs attended				
S.N.	Subject Area of Training	Organization	Place	Period / Duration	
1)	Cyber Security and Privacy	NPTEL		Jul-Oct 2024	
2)	Object Oriented System Development using UML, Java and Patterns	NPTEL		Jan – Apr 2023	

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3)	Learning Python for Data Analysis and Visualization	Udemy		Nov 21 2022
4)	Research challenges and application in Visual Intelligence	School of Electronics and Communication Engineering, KLE Technological University, Hubballi		21st Nov 2022 to 29th Nov 2022
5)	IoT Induced Artificial Intelligence for Emerging Computing Paradigms	Dr B R Ambedkar National Institute of Technology, Jalandhar		04-08 October, 2022
6)	Cyber Security: Managing Risk in the Information Age	Dr B R Ambedkar National Institute of Technology Jalandhar		October 12 - 16, 2022
7)	Artificial Intelligence for COVID-19 Recognition	IEEE North Karnataka Subsection		05 Feb 2022
8)	IP Awareness / Training Program	Intellectual Property Office, India		June 09 2022
9)	Blockchain and its Applications	NPTEL and AICTE		January – April 2022
10)	Introduction to Internet of Things	NPTEL-AICTE		July – Oct 2021
11)	Machine Learning with MATLAB	MathWorks		27 May 2021
12)	Deep Learning with MATLAB	MathWorks		11 June 2021
13)	Deep Learning Onramp	MathWorks		31 May 2021
14)	Designing and Modelling of IOT, AI and ML Systems	AICTE and Arm Education and STMicroelectronics		01 st to 05 th August, 2022
15)	Mathematics in Artificial Intelligence, Machine Learning and Deep Learning for Faculty and Practitioners	Dept. of Computer Science and Engg, KLE Institute of Technology, Hubballi		1 st to 5 th September, 2021

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16)	Examination Reforms Workshop	AICTE and Chitkara University, Chandigarh, Punjab		08 th to 10 th July, 2021
17)	Regional Research Symposium on PBL 2021	Karnataka State Higher Education Council, Alborg University and UNESCO		18 th and 19 th June 2021
18)	Machine Learning	Indian Institute of Information Technology, Dharwad		23rd to 27th July, 2018
19)	Recent Trends in Image Processing and Machine Learning based on Mathematical Modeling	S.D.M. College of Engineering and Technology, Dharwad		17th to 18th Feb, 2017
20)	Mentors Mentee System	P.C. Jabin Science College, Hubballi		16th March, 2014
21)	Deep Dive Faculty Enablement Program for Elective offering “Business Intelligence and its Applications”	Infosys Technologies Ltd., at School of Engineering and Technology, Jain University, Bangalore		18th July to 22nd, 2011
22)	Deep Dive Faculty Enablement Program	Infosys Technologies Ltd., Mysore		31st Jan to 4th Feb, 2011
23)	Workshop on JEE technology	AIMIT, St Aloysius College, Mangalore		11th to 12th Nov, 2010
24)	Faculty Development Program on Linux Administration	Dept. of Information Science and Engg, NMAM IT, Nitte		5th to 7th Aug, 2010
25)	Staff Development Program on Embedded Computing Systems	Dept. of Computer Science and Engg, NMAM IT, Nitte		27th to 29th Aug, 2009
26)	Lecture workshop on Nanoscience and Technology	IAS, INSA and NAS, at Yenepoya University Campus, Mangalore		23rd to 24th March, 2009

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27)	Workshop on Microsoft .NET	Microsoft and BITES, at Srinivas Institute of Technology, Valachil, Mangalore		5th to 7th March, 2009
28)	Workshop on J2EE Application Architecture	Infosys Technologies Ltd, at St.Aloysius College, Mangalore		22nd to 23rd Dec, 2008
29)	Storage Technology Foundations	EMC Global Service Technical Training, Bangalore		15th Dec, 2006
30)	J2EE	NIIT, Bangalore		5th May, 2006

1.3. Membership of National and International Professional Bodies/Organisations			
S.N.	Name of Professional Body/Organization	Place	Membership Category
a)	IEEE Membership	Bangalore	92189134
b)	IFERP Membership	Bangalore	
c)	International Association of Engineers (IAENG)	Hong Kong	
1.4. Technical Papers/Books Published in National / International Events / Journals			
a)	Medha Kudari, Anupama Nandeppanavar, Harish Kulkarni, Musical Chord Identification using Deep Learning Methods, IEEE Transactions on Computers, (communicated in Oct 2024)		
b)	Medha Kudari, Anupama S Nandepannavar, Puneeth Thotad, Sahana Jatti, Sahana Koti, A Machine Learning based approach for Bird Migration Detection and feature analysis with SHAP. <i>2024 IEEE North Karnataka Subsection Flagship International Conference (NKCon)</i>		
c)	Medha Kudari, Anupama S Nandeppanavar, Prasanna Bammigatti, & Kaveri Vakkund. (2024). A machine learning-based food recommendation system with nutrition estimation. <i>International Journal of Data Analysis Techniques and Strategies</i> , 16(4), 487-507. https://doi.org/10.1504/IJDATS.2024.142485		
d)	Medha Kudari, Anupama S Nandeppanavar, Spandana Suzan Korrapaty, "Vegetable Classification using Deep Learning Approach", IEEE North Karnataka Conference, November 19-20, 2023 doi: 10.1109/NKCon59507.2023.10396111.		
e)	Medha Kudari, Anupama S Nandeppanavar, Preeti Hiremath, "Deep Learning Approach for Fruits Classification", International Conference on Artificial Intelligence and Data Science, October 27-28, 2023.		
f)	Medha Kudari, Veena Kumashi, Anupama S Nandeppanavar, "Kidney Disease Classification", International Conference on Artificial Intelligence and Data Science, October		

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	27-28, 2023.
g)	Medha Kudari, Manjunath Naikar, Anupama S Nandeppanavar, “Lumpy Skin Disease Detection using GUI based Deep Learning Model in Cattle”, International Conference on Ubiquitous Computing and Intelligent Information Systems, September 1-2, 2023
h)	Medha Kudari, Sanjay Garag, Anupama S Nandeppanavar, “Cancer disease prediction using machine learning algorithms”, International Journal of Scientific Research in Computer Science and Engineering, Dec 2022
i)	Medha Kudari, Shivani Kittur, Anupama S Nandeppanavar, Laxmi Pujari, “Automation of Dairy Farm for Effective Cattle Management”, Journal of Web Development and Web Designing, Sept-Dec 2022
j)	Medha Kudari, Sakshata Hindasgeri, Anupama S N, “Process Automation of Sugarcane in the Sugar Industry”, Journal of Computer Science Engineering and Software Testing, Sept-Dec 2022
k)	Medha Kudari, Samarth Kulkarni, Anupama S N, (Sept-Dec 2022), “Congregation of News in a Digitized World using News Angle”, Journal of Computer Science Engineering and Software Testing, 2022
l)	Kudari, M., Shivashankar, S., & Hiremath, P. S. (2020). Illumination and Rotation Invariant Texture Representation for Face Recognition. <i>International Journal of Computer Vision and Image Processing (IJCVIP)</i> , 10(2), 58-69.
m)	Shivashankar S., Kudari M., Hiremath S.P. (2021) Offline Signature Verification Using Galois Field-Based Texture Representation. In: Verma G.K., Soni B., Bourennane S., Ramos A.C.B. (eds) Data Science. Transactions on Computer Systems and Networks. Springer, Singapore. https://doi.org/10.1007/978-981-16-1681-5_17
n)	Shivashankar, S. & Kudari, M., (2019, March): Offline Signature Verification using Galois Field based Texture Representation. In <i>1st International Conference on Machine Learning, Image Processing, Network Security and Data Sciences (MIND 2019)</i> , National Institute of Technology, Kurukshetra
o)	Shivashankar, S. & Kudari, M., (2018, December): Scale Invariant Texture Representation using Galois Field for Image Classification. In <i>International Conference on Recent Trends in Image Processing and Pattern Recognition 2018</i> , Solapur University.
p)	Shivashankar, S., Kudari, M., & Hiremath, P. S. (2018). A Galois Field based Texture Representation for Face Recognition. <i>International Journal of Applied Engineering Research</i> , 13(18), 13460-13465.
q)	Shivashankar, S., Kudari, M., & Hiremath, P. S. (2018). Galois Field-based Approach for Rotation and Scale Invariant Texture Classification. <i>International Journal of Image, Graphics and Signal Processing (IJIGSP)</i> , 10(9), 56-64.
r)	Shivashankar, S., Kudari, M., & Hiremath, P. S. (2017, December). Texture Representation Using Galois Field for Rotation Invariant Classification. In <i>2017 13th International Conference on Signal-Image Technology & Internet-Based Systems (SITIS)</i> (pp. 237-240). IEEE.

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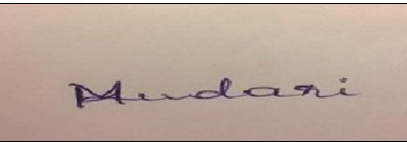
1.5.	Language skills (ability to)	Speak	Read / Write
		Kannada	Kannada
		Hindi	English
		English	Hindi
		Konkani	
2.	Employment Information and Professional Experience till date (provide latest to first).		
2.1.	Employment Information:		
a)	Job title	Assistant Professor	
	Employer	KLE Institute of Technology	
	Dates (from to)	28-12-2020 to till date	
	Responsibilities	ISO coordinator, Dept Placement coordinator	
b)	Job title	Assistant Professor	
	Employer	Global Academy of Technology, RR Nagar, Bengaluru	
	Dates (from to)	07/Sep/2020 to 17/Dec/2020	
	Responsibilities	--	
c)	Job title	Assistant Professor	
	Employer	KLE Institute of Technology, Gokul Road, Hubballi	
	Dates (from to)	13/Aug/2019 to 07/Jul/2020	
	Responsibilities	Association coordinator	
d)	Job title	Lecturer	
	Employer	P.C. Jabin Science College, Vidyanagar, Hubballi	
	Dates (from to)	02/Jul/2012 to 31/Mar/2015	
	Responsibilities	--	
e)	Job title	Assistant Professor	
	Employer	St. Aloysius Institute of Management and Information Technology, St. Aloysius College, Mangalore	
	Dates (from to)	03/Jul/2006 to 30/May/2012	
	Responsibilities	CIE coordinator, Placement coordinator	
2.2.	Public Service & Volunteer Work		
a)			
b)			

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2.3.	Other professional achievements such as awards, special skills, etc.	
a)	Expert Reviewer for International Conference on Innovation & Novelty in Engineering and Technology (INNOVA-2024)	December 2024
b)	Expert Reviewer for IEEE North Karnataka Subsection Flagship International Conference (NKCon)	September 2024
c)	IEEE CONIT 2024 Session Chair	June 2024
d)	Women Welfare Committee – coordinator	2023-24

3.	Any other information	
3.1.	Strengths	Image Processing, Programming, Good Learner and Team player
4.	General information	
4.1.	Name	Medha Kudari
4.2.	Gender	Female
4.3.	Nationality	Indian
4.4.	Date of birth	27-02-1982
4.5.	Contact address	H.No. 24, 3 rd Cross, Renuka Nagar, Gokul Road, Hubballi 580030
4.6.	Phone / mobile number	9448801627
4.7.	Email	medha.k27@gmail.com

05-12-2024	Dr. Medha Kudari	
Date		Signature