

Name of Researcher: Dr.Mageusha.U

Brief Profile

Dr. Mage Usha U is currently working in Rajarajeswari college of Engineering, Bengaluru as Associate Professor in department of Computer Applications. She completed her M.Phil from Periyar University in the year 2006 and was awarded with Ph.D. from Rayalaseema University in 2023.

She is a skilled professional with extensive experience in IT Industry with around 18+ years of experience. With a strong background in coding and testing skills, She has worked on various projects in Nokia, Accenture and Eurofins. Passionate about education, Mage Usha has 5 years of teaching experience, mentoring students in C, C++, Java, Python Known for problem-solving, she excels in making complex concepts easy to understand. She has contributed to publications, dedicated to continuous learning, she actively engages in professional development.

Designation

Associate Professor

Department

Master of Computer Applications

Date of Birth

07-Jan-1980

Qualification

MCA, MBA(Finance), M.Phil(C.Sc), P.hD(C.Sc)

Date of Joining

11-Sep-2023

Specialization

DATA ANALYTICS USING PYTHON/ CLOUD COMPUTING/ MATHEMATICS FOR COMPUTER APPLICATIONS/ CYBER CRIME AND LAW/ SOFTWARE ENGINEERING/ COMPILER DESIGN/ THEORY OF COMPUTATION/ PROGRAMMING with C/ PROGRAMMING with C++/ PROGRAMMING with JAVA/ SOFTWARE DESIGN AND PROJECT MANAGEMENT/ INTERNET TECHNOLOGIES

Experience

25 Years

Ph.D Guide Ship: Recognized Under VTU

RESEARCH PAPERS:

Sl. No	TITLE OF PAPER	ISSN	JOURNAL	ISSUE/VOLUME	DOI/ Certificate No.
1	Service Oriented Architecture Testing	(Online) 2394-2320	International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)	Vol 5, Issue 4, April 2018	

2	Continuous Integration Approach of Risk-Based Testing using Service Oriented Architecture	2348-2281 (ONLINE)	International Journal of Research in Electronics and Computer Engineering ((IJRECE)	Vol. 7 Issue 2 (April- June 2019)	
3	Strategic Practices of Testing Software Applications in Agile Methodology.	(Online) 2394-2320	International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)	Vol 5, Issue 4, April 2018	
4	Algorithm to create Automated Test Framework with transformation and change investigation		International journal of Information And Computing Science	Volume 6, Issue 6, June 2019	
5	Trend Setter AI Based E-Vehicle Market in India.	1671-5497	Jilin DaxueXuebao (Gongxueban)/Journal of Jilin University (Engineering and Technology Edition)	Vol: 42 Issue: 12-2023	10.5281/zenodo.10437625
6	CINEHUB: forAndroid Platforms	2581-9429	International Journal of Advanced Research in Science, Communication and Technology	Volume 4, Issue 4 June 2024	062024-A0898
7	Innovative AI Solution for Diabetic Retinopathy Health	2581-9429	International Journal of Advanced Research in Science, Communication and Technology	Volume 4, Issue 4 June 2024	<u>10.48175/IJARSCT-19003</u>
8	Machine Learning-Based Fake Online Review Comment Detection	2581-9429	International Journal of Advanced Research in Science, Communication and Technology	Volume 4, Issue 4 June 2024	062024-A0785

9	Safety and Security Integrated to Smart School Tracking System using IoT	2581-9429	International Journal of Advanced Research in Science, Communication and Technology	Volume 4, Issue 4 June 2024	062024-A0913
10	Crop Yield Identification and Land size detection using Satellite Images	2347-3150	MuktShabd Journal UGC	Volume VIII, Issue V, May - 2024	
11	Planet Parties: An AI Enabled Event Ease Support System	2581-9429	International Journal of Advanced Research in Science, Communication and Technology	Volume 4, Issue 4 June 2024	062024-A0828
12	Bronchogenic carcinoma identification and prediction using Deep learning	1819-4362	Fuzzy Systems and Soft Computing	Vol.19. No. 02(I), July-December:2024	
13	6G networks: Advancements, advantages and challenges	<u>Volume 139</u> , 2025, Pages 607-631	<u>ScienceDirect</u>	Jan 2025	https://doi.org/10.1016/bs.adcom.2025.03.014
14	Predictive Modeling of Patient Outcomes Using Machine Learning Algorithms in Health Informatics	0973-7049(P)	<u>Web of Science</u>	Mar 2025	https://doi.org/10.63001/tbs.2025.v20.i01.pp516-522
15	Empirical Analysis of Quantum Machine Learning for Post-Quantum cybersecurity: A Novel Approach Using NSL-KDD		IEEE International Conference on Emerging Technologies in Engineering Applications (ICETEA 2026)	May 2026	

16	Intrusion Detection System	www.ijsci.com Volume 3 Issue 3 , March 2026	International Journal of Sciences and Innovation Engineering		E-ISSN : 3049-0251
17	Detection and Classification of Melanoma Using Convolutional Neural Networks (CNNs) on Dermoscopy Images	2026	Aip Conference Proceedings		<u>10.1063/5.0322643</u>
18	A DATA-DRIVEN ANALYSIS OF CLIMATE CHANGE AND TEMPERATURE OF INDIA	2026	International Journal of Sciences and Innovation Engineering		
19	An Interactive Analytics and Forecasting Dashboard for Tourism and Heritage Site Visitor Analysis	2026	International Journal of Sciences and Innovation Engineering		
20	A Smart Time-Series Estimation Framework for Cryptocurrency Price Dynamics	2026	International Journal of Sciences and Innovation Engineering		
21	AI based precision controlled Decision Support system using data analytics and visualization in the field of Agriculture	2026	International Journal of Sciences and Innovation Engineering		
22	Credit risk assessment	2026	International Journal of Sciences		

	using statistics and probability		and Innovation Engineering		
23	Exploring Stock Market patterns Through Data Analytics	2026	International Journal of Sciences and Innovation Engineering		
24	A Predictive Analysis of Increasing Intrusion Detection System Accuracy Using Machine Learning Algorithms in Kyoto Dataset	<u>9798331513085</u>	3rd IEEE International Conference on Networks Multimedia and Information Technology		<u>10.1109/NMITCON 65824.2025.11188339</u>
25	Revolutionizing Lung Disease Detection: Using Local Binary Texture Descriptor Features and Explainable (AI) Techniques Khyati		International Journal of Innovative Research in Computer and Communication Engineering		
26	Anticipatory Modeling of Product Purchases	<u>2581-9429</u>	International Journal of Advanced Research in Science, Communication and Technology		<u>10.48175/ijarsct-19117</u>
27	Legal Ease	<u>2581-9429</u>	International Journal of Advanced Research in Science, Communication and Technology		<u>10.48175/ijarsct-19118</u>

PATENTS:

TITLE	Provided by	Date	Application Number
IOT BASED ENVIRONMEN TAL MONITORING AND CONTROL SYSTEM	Intellectual property India https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus	31-05-2024	202441040667

A Quantum-Classical Optimization System with Quantum Annealing and AI-ML Integration for Combinatorial Problem Solving		28/11/2025	202541106432 A
Disease Prediction by machine learning over big data from healthcare communities		25/07/2025	202541066982
AI-Powered Predictive Analytics System for Real-Time Decision Making		16-05-205	202541039262

Books Published:

Title	Publications	Year	ISBN
Cognitive Horizons: Exploring Artificial Intelligence and Machine Learning	Nitya Publications	2024	ISBN: 978-93-48684-77-6 e-ISBN: 978-93-48684-60-8
Python Programming – A Guide to Effective Problem Solving	Indo-Continental Academic Publishers (ICAP) 2025	Feb 2025	e-ISBN: 978-93-48684-60-8 ISBN: 978-93-48684-77-6
Innovations in Machine Learning-Chapter 5	PencilBitz	Oct 2025	ISBN: 978-93-48556-35-6

MOOC or NPTEL Courses (Certificates)

Title	Duration	Pass%	Reg No/Cert No	Credit Point
NBA Accreditation and Teaching-Learning Engineering (NATE) in	Jan-Apr 2024	78% (Elite)	NPTEL24GE07S1152302263	

Cloud Computing	Dec 2024	76%		