


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Mrs.B.SARATHA/T1156	
Designation	Assistant Professor	
Department	Artificial Intelligence & Data Science	
Date of Joining the Institution	01.08.2024	
Qualifications	B.E (Computer Science and Engineering)	M.B.A(Education Management)
	M.E (Computer Science and Engineering)	Ph.D(Pursuing)
Total Experience	Overall : 13 & 2 months	in RMK : 1
Papers Published in Journal	Overall : 8	After Joining RMK : 6
List of Papers Published	<ol style="list-style-type: none"> 1. "A Summary of Research on Blockchain," Shodhsamhita: Journal of Fundamental & Comparative Research, ISSN: 2277-7067 2. "Early Detection of Diabetic Retinopathy: A Survey," IJFANS International Journal of Food and Nutritional Sciences, e-ISSN: 2320-7876 3. "Enhancing Early Detection of Diabetic Retinopathy using Machine Learning Techniques" IJIRT:International Journal of Innovative Research in Technology ISSN: 2349-6002 4. "Enhancing Breast Cancer Detection with Machine Learning: A Predictive Modeling Approach" SEEJPH Volume XXVI, 2025, ISSN: 2197-5248 5. "Green Data Centers: Advancing Sustainability in the Digital Era" International Conference on Trends in Material Science and Inventive Materials (ICTMIM-2025) ISBN: 979-8-3315-0147-1 6. "Future Horizons: Key Trends Shaping the Evolution of Machine Learning" International Conference on Trends in Electronics and Informatics (ICOEI-2025) ISBN: 979-8-3315-4459-1 7. "An Approach Towards Diabetic Retinopathy Detection and Analysis" 	

	<p>Through Cognitive Computing” International Conference on Contemporary Engineering & Technology 2025 ISBN: 979-8-3315-0147-1</p> <p>8. “AI-Powered Adaptive Learning Systems: Revolutionizing Classroom Education” Advancing Knowledge from Multidisciplinary Perspective in Engineering, Technology and Management ISBN 978-1-80433-919-0</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 3	After Joining RMK : 3
Ph.Ds / Projects Guided	Ph.Ds Guided : -	Student Projects Guided : -
Books Published :	Count : 1	
	List : Artificial Intelligence with Predictive Analytics – Blue International Publisher - 978-93-6940-069-0 - May 2025	
Patents	Published Count : 1	Granted Count : -
	List : Implementation Of Artificial Intelligence Techniques for Hazard Detection and Predictive Maintenance of Highways – 202541001595 - 17/01/2025	
Professional Memberships	Count : 2	
	List : 1. IAENG Membership 2. IFERB Membership	
Consultancy Projects Completed	Count : 1	
Awards Received	Count : -	
	List : Digital Skills Readiness Program Wipro Certified Faculty and recognized as Mentor for Project Based Learning(PBL) in Data Science with Python	

Research grants Received	-
Orchid Link / ID	ID : https://orcid.org/0009-0003-6917-4981
Google Scholar Link / ID	ID: https://scholar.google.com/citations?view_op=new_articles&hl=en&imq=B+Saratha#
Vidwan Link / ID	ID : https://vidwan.inflibnet.ac.in/profile/600232
Research Gate Link / ID	https://www.researchgate.net/profile/B-Saratha
Scopus Link / ID	ID : https://www.scopus.com/authid/detail.uri?authorId=59940430100