


FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr. S. Uma Maheswari / T1178			
Designation	Associate Professor (Grade II)			
Department	Computer Science & Design			
Date of Joining the Institution	02.05.2025			
Qualifications	B.E. (Computer Science & Engineering)	M.E (Computer Science & Engineering)	Ph.D (Computer Science & Engineering)	
Total Experience	Overall : 12 years		In RMK : 9 months	
Papers Published in Journal	Overall : 11		After Joining RMK : 1	
List of Papers Published	<ol style="list-style-type: none"> 1. An Intelligent Character Segmentation system coupled with deep Learning based Recognition for the digitization of Ancient Tamil Palm Leaf Manuscript in “Heritage Science”, Springer Publisher on 1st October 2024. 2. Southern India’s Traditional Writing system – Palm Leaf Manuscript (PLM), for the International Conference entitled “Architectural Technology of Tamil Civilians and Pranav Journal of Fine Arts” held on 23rd June 2023. 3. Secured Biometric Based Authentication Using Vo Stegnogrphay, in “Journal of Applied Science and Computations” on 8th August 2018. 4. A Deep Learning Framework for Reconstruction and Recognition of Tamil Palm Leaf Manuscripts” in the International Conference on Arts and Culture of Tamils (ICTACT) organized by Eastern University, Sri Lanka in association with Pondicherry, VIT and Anna University on 13th June 2024. 5. Local Binary Pattern Based Feature Extraction of Recognition of Ancient Tamil Palm Leaf Manuscript Characters using Neural Networks”, 21st Tamil Internet Conference from 15 to 17th December 2022. 6. Heterogeneity Projection Hard Decision Interpolation Based on super Resolution”, in the “International Conference on Electrical, Electronics and Optimization Techniques(ICEEOT)” 2016 with IEEE Catalog “978-4673-9939-5/16 7. Non-Iterative and HPHD Interpolation Based on Super Resolution”, in the “International Conference on Emerging Trends in Engineering Technologies(ICETES)” 2010 			

	<p>8. Smart Irrigation System using IOT” in the “National conference on Communication and Information Engineering”, 16th March 2018</p> <p>9. Integration Of Multi-Bank Multi User Using Hmm & Formula Verification” in the “National conference on Intelligent Systems ICIS’17, 24th March 2017</p> <p>10. Multimodal Brain tumor Image Fusion” in the “National conference on Information and Intelligent Technologies, 18th & 19th March 2016</p> <p>11. Non Iterative and HPHD Interpolation based on Super Resolution” in the “National conference on advanced image Processing and Networking(NACIPAN) 2010</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 1	After Joining RMK :1
Ph.Ds / Projects Guided	Ph.Ds Guided : NIL	Student Projects Guided :35
Books Published :	Count :NIL	
Patents	Published Count :1	Granted Count :1
	A Device for Reading Palm Leaf Manuscript and method of extracting script in digital form. (Application No.202441028539, 5/7/2024)	
Professional Memberships	Count :1	
	IEE Member	
Consultancy Projects Completed	Count :NIL	
Awards Received	Count : 1	
	IEEE Best Paper Award	
Orchid Link / ID	https://orcid.org/0009-0009-3723-8577	
Google Scholar Link / ID	https://scholar.google.com/citations?hl=en&user=Sz_FWfIAAAA J	
Vidwan Link / ID	https://vidwan.inflibnet.ac.in/profile/628037	
Research Gate Link / ID	NIL	
Scopus Link / ID	NIL	