

FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr. Girija M S/T1126			
Designation	Professor			
Department	Computer Science & Design			
Date of Joining the Institution	06.05.2024			
Qualifications	B.E. (Computer Science & Engineering)	M.E (Multimedia Technology)	Ph.D	
Total Experience	Overall : 18.7 years		In RMK : 1.5 Years	
Papers Published in Journal	Overall : 14		After Joining RMK : 3	
List of Papers Published	1. Girija M S, “A Variance Difference Method for Determining Optimal Number of Clusters in Wireless Sensor Networks”, Ad hoc & Sensor Wireless Networks, Vol. 55, issue 3-4, pp. 321–339, 2023. 2. Girija M S, Tapas Bapu B R, “An Energy Efficient Expert System to Choose Cluster Head from Hybrid Clustering”, Ad hoc & Sensor Wireless Networks, Vol. 49, pp. 23–41, 2021. 3. B Madhu D Mageshbabu, AE Kabeel, Ravishankar Sathyamurthy, SA El-Agouz, Ali J Chamkha, MS Girija, “Enhancing The Thermal Performance Of A Micro Finned Tube With Tio2–Water Nanofluids Using Twisted Tape Inserts”, Heat Transfer Resarch, Vo..50, issue 9, pp. 851-863, 2019. 4. Girija Murugesu Pillai Suma Kumari, Kittappa Thiagarajan, and Tapas Bapu Bathey Ramesh Bapu, “N-hop network determination for irregular connected topology”, AIP Conference Proceedings ,vol. 2112, PP. 020059-1 to 020059-8 , 2019. 5. Girija M.S, Thiagarajan K, Tapas Bapu B.R ,“Consistent Network Emerge for N-Hop Network”, International Journal of Recent Technology and Engineering (IJRTE), Voulme 8, Issue 2S4,Pg.N0 : 347-350 ,2019. 6. K Thiagarajan, MS Girija, BR Tapas Bapu,” Advances in Decision Sciences, Image Processing, Security and Computer Vision: International Conference on Emerging Trends in Engineering (ICETE), Springer, Vol. 1, PP.652-660. 2020			

7. D.S.Nivin, M.S.Girija, "Biometrics based key agreement for body area sensor network", International Journal of Applied Engineering Research, Vol. 10 No.42, PP. 30675 – 30680, 2015.
8. Girija Murugesu Pillai Suma Kumari, Thiagarajan Kittappa, Tapas Bapu Bathey Ramesh Bapu & Sarukesi Karunakaran, 'Knowledge-based discrete probability approach on gene regulatory network', Basic clinical Pharmacology and Toxicology, vol. 125, issue S1, PP.42-43, 2019.
9. T.Navin Kumar, K.V.Manoj Kumar, M.R.Srinivasalu and M.S.Girija, "Cost reduction technique using cloud computing", International Journal of technical research and applications, Volume 3, Issue 2, PP:144-147,2015.
10. M.S.Girija, M.Selvi, Sandhiya M.S., "Content based video recommendations in social networks", International Journal for research in technological studies, Volume 2, Issue 5, 2015.
11. M.S.Girija, T.Mala, T.V.Geetha, "Semi-automatic Domain Ontology Construction for Tamil documents" CIIT International Journal of Artificial Intelligence Systems and Machine Learning, Vol. 1, No. 1, 2009.
12. **Girija, M.S.**, Dhinakaran, D., Gopalakrishnan, S., ...Selvaraj, D., Prabakaran, G., "Mining privacy-preserving association rules using transaction hewer allocator and facile hash algorithm in multi-cloud environments", Methodsx 14, 2025
13. Denis, R., Venkateswaran, N., Gangadharan, S., ...Satyanarayana Tallapragada, V.V., Vidhya, R.G., Girija M S, "A Federated Learning and Blockchain Framework for IoMT-Driven Healthcare 5.0", International Journal of Basic and Applied Sciences14(1), pp. 246-250, 2025
14. **Girija, M.S.**, Dwivedi, V., Kumar, D.S., ...Philip, J.M., Ayyasamy, R., "Quantum Resource Allocation For Efficient Communication In Quantum Internet-Enabled Mobile Networks", 2025

Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 2	After Joining RMK :3
Ph.Ds / Projects Guided	Ph.Ds Guided : NIL	Student Projects Guided :40
Books Published :	Count :NIL	
Patents	Published Count :2	Granted Count :NIL
	IoT Module for Smart Agriculture Monitoring and Early Flood Detection & Avoidance (Appilcation No: 202341010318A, 24-03-2023) AI-Powered Live Surveillance for Security Threat Detection (APPLICATION NO.: 202541039392)	
Professional Memberships	Count :2	
	IAENG Member	
	IEEE Member	
Consultancy Projects Completed	Count :NIL	
Awards Received	Count : 03	
	1. Gold Medalist in M.E 2. District Second in HSC 3. Received 100 percent result appreciation award	
Orchid Link / ID	https://orcid.org/0000-0001-5277-1104	
Google Scholar Link / ID	https://scholar.google.com/citations?hl=en&user=XfdXgGkAAAAJ	
Vidwan Link / ID	https://vidwan.inflibnet.ac.in/profile/529708	
Research Gate Link / ID	https://www.researchgate.net/profile/Girija-M-S	
Scopus Link / ID	https://www.scopus.com/authid/detail.uri?authorId=57209617426	