FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr.M.HEMALATHA T1079
Designation	ASSOCIATE PROFESSOR
Department	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
Date of Joining the Institution	15/07/2022

Qualifications	B.E[CSE]	M.E[CSE]	Ph.D [I&C from Anna University]

Total Experience	Overall : 23	in RMK : 12.02

Papers Published in Journal	Overall : 9	After Joining RMK : 4

List of Papers Published	**International Journals:** 1. Murugan Hemalatha, "A hybrid random forest deep learning classifier empowered edge cloud architecture for COVID-19 and pneumonia detection'', Expert Systems with Applications,2022,210,118227, Elsevier, Impact Factor: 9.60, DOI: https://doi.org/10.1016/j.eswa.2022.118227. 2. M.Hemalatha, "Optimal AdaBoost kernel support vector machine for monitoring arrhythmia patients utilizing Internet of Things-cloud environment", Concurrency and Computation: Practice and Experience, John Wiley & Sons Inc., Impact Factor: 1.831, DOI: https://doi.org/10.1002/cpe.7298. 3. Vijayarangan.R, Hemalatha, M, Umadevi.K ," Prediction of Heart Disease at an Early Phase Using Machine Learning Techniques", 2022, IEEE International Conference on Data Science and Information System (ICDSIS). DOI: 10.1109/ICDSIS55133.2022.9915987. 4. G. Murugesan, J. Jeyapriya, M. Hemalatha and S. Rajeshkannan, "Faster region based convolutional neural network for skin lesion segmentation," Intelligent

Automation & Soft Computing, vol. 36, no.2, pp. 2099–2109, 2023, Impact Factor: 3.401 DOI: https://doi.org/10.32604/iasc.2023.032068

5. Hemalatha, M., Rukmanidevi, S., Shanker, N.R., "Searching Time Operation Reduced IPV6 Matching Through Dynamic DNA Routing Table for Less Memory and Fast IP Processing", Soft Computing, 2021, 25(5), pp. 3455–3468, Springer, Impact Factor: 3.643, DOI: https://doi.org/10.1007/s00500-020-05379-5

6. Hemalatha, M., Rukmanidevi, S., "A Study on IPV6 Prefix Matching through DNA Computing", Journal of Computational and Theoretical Nano science, 2017, 14(8), pp. 3867–3873, Annexure-1, Impact Factor: 0.46, DOI:10.1166/jctn.2017.6686

7. Hemalatha, M., Rukmanidevi, S., "Hybrid Graph Based Fast IP Lookup Architecture", Journal of Advanced Research in Dynamical and Control Systems (JARDC), ISSN 1943-023x, 9(2), 2017, pp.150-155, Scopus.

8. N. Indira, Hemalatha.M, A.V. Kalpana, D. Rukmani Devi, S.Venkatesan, "Online Data Security for Secure Cloud Storage", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-1S, pp. 99-103, November 2019, DOI:10.35940/ijitee.A1023.1191S19.

9. M.Hemalatha, R.Jagadeeshkannan, "Segmentation by Blended Partial Clustering for Different Color Spaces", International Journal of Recent Trends in Engineering (IJRTE), ISSN 1797-9617, 1(1), May 2009, pp. 630-634.

Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 3	After Joining RMK : 1
Ph.Ds / Projects Guided	Ph.Ds Guided : Recognized Supervisor under Anna University	Student Projects Guided : 5
Books Published :	Count : 1	
	List : 1. ''GRAPH THEORY AND APPLICATIONS" as per Anna University syllabus R2017,common for CSE and IT departments, Magnus Publications	
Patents	Published Count :	Granted Count :

	List :
Professional Memberships	Count : 2
	List : ISTE life member since 2013 Annalytics Society of India, (SCC-ASI).
Consultancy Projects Completed	Count :
Awards Received	Count : 2

	List :
	
	NPTEL Tamil Text Translator for
	    1. Real Time Operating Systems
	    2. Computational Thinking

Research grants Received	
Orchid Link / ID	ID : 0000-0002-2071-0224
Google Scholar Link / ID	ID : 2wk4uFoAAAAJ
Vidwan Link / ID	ID : 302581
Research Gate Link / ID	ID : HNC-1203-2023
Scopus Link / ID	ID : 57195435794