Dr.M.Latha, M.E., Ph.D.,

Associate Professor,

Dept of IT,CET,SRMIST

Ramapuram Campus, Chennai

Dr.M.Latha Working as an Associate Professor in the Department of IT at SRMIST,Ramapuram. She is Graduated in Computer Science Engineering at Anna University,Chennai,Tamilnadu, India. She has secured Master of Engineering in Software Engineering at Anna Univeristy of Technology,Coimbatore, India. She has Pursued Ph.D. in the field of Medical Image Processing at Vels Institute of Science, Technology and Advanced Studies, Chennai, India. She is having teaching experience of more than 12 years. She has presented number of papers in National and International Journals, Conference and Symposiums, published books and patents .

Areas of Research: Medical Image Processing, Data Mining

Selected Publications:

SCI/Scopus

1.   Bala.K, Latha M, Elma, Pumendu Shankar, :DIWGAN optimized with Namib beetle Optimization Algorithm for Intrusion detection in Mobile Ad Hoc Networks", IETE Journal of Research

2.   DwarakanathB,LathaM,AnnamalaiR,JagadishS.Kallimani,RanjanWalia,BirhanuBelete,"A Novel Feature Selection with Hybrid Deep Learning Based Heart Disease Detection and Classification in the e-Healthcare Environment", Computational Intelligence and Neuroscience Volume 2022, Article ID 1167494, https://doi.org/10.1155/2022/1167494

3.   Bala, K., Renjith, P.N., Latha, M., Santhanalakshmi, S.T, "A Mutual Intrusion Detection System for MANET to Address DDoS attacks using Data Mining Techniques", IEEE Xplore, *2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS)*, Erode, India, 2023, pp. 1465-1469, doi: 10.1109/ICSCDS56580.2023.10105002.

4.   G Mohana Priya, M Latha, KS Archana,"Analyzing Data in Decision Making for Educational Universities Using Machine Learning", Ambient Communications and Computer System, Lecture Notes in Networks and Systems, Volume 356, ISSN 2367-3389, ISBN 978-981-16-7952-0, https://doi.org/10.1007/978-981-16-7952-0

5.   Shanmuga Priya G, Latha M, "Unusual Activity and Anomaly Detection In Surveillance Using GMM-KNN Model", IEEE Xplore, ISSN:978-1-6654-2998-6, March 2021. Pg: :1450-1457

6.   V. Punithavalli, P. Sheela Gowr, M. Latha, "Research on Trust Computing for Cloud Service Providers", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue- 6S4, April 2019

7.   M. Latha, S. Arun," Detection of ROI for classifying alzheimer's disease using MR image of brain", International Journal of Innovative Technology and Exploring Engineering (IJITEE)", ISSN: 2278-3075, Volume-8 Issue-5, Pages: 740 – 745, March, 2019.

8. Murugadass, Gowr, P.S., Latha, M., &Anbazhagu, U.V. (2018). IOT connected predictive vehicle systems. *International journal of engineering and technology, 7*, 391.

9. Anbazhagu, U & Balakrishna, R & Arumugam, Sajeev & Latha, M. (2018). Web image re-ranking using query specific in cloud computing. International Journal of Engineering & Technology. 7. 423. 10.14419/ijet.v7i2.21.12458.

10. Pavani, U V. Anbazhagu, Bhavadharani, M Latha and Jason K. Senthil. "Opinion Mining Embedding with Applications to Opinions." , International Journal of Engineering & Technology, 7 (3.27) (2018) 192-195

11. M. Latha, S. Arun,"Performance comparison of various denoising filters for brain MRI images", International Journal of Engineering & Technology, 7 (2.21) (2018) 361-363.

Patents:

S.No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country	Status
1	GMM Model based Anomaly Detection System for Intruding Objects	Dr.M.Latha	202041043136	16.10.2020	Indian Patent	Published
2	Machine learning constituted screening and Detection of nutrient deficiencies in leaves	Dr.M.Latha	202041041349	24.09.2020	Indian Patent	Published
3	Cyber Security framework for Tele medicine applications	Dr.M.Latha	202041025141 A	26.06.2020	Indian Patent	Published
4	IoT Driven Sensor-based Crop Recommendation System usingMachine Learning for Smart Agriculture	Dr.M.Latha	202241012500	18.03.2022	Indian Patent	Published
5	Artificial Intelligence based Liquid dispenser	Dr.M.Latha	378124-001	28.01.2023	Indian Patent	Granted

Books Published:

1.Cryptography and Network Security, "Dr.Latha M, Dr.Dwarakanath , Dr.Santhosh Kumar P, Dr.Danesh K, Department of IT, SRMIST, Ramapuram,Chennai, India.

2.Data Science using Python, " Dr.R.Mythili, Dr.Latha M, Mr.Arunmozhi, Department of IT, SRMIST, Ramapuram,Chennai, India.

Professional Bodies Member – IEEE, IAENG. ISTE

Google Scholar:

https://scholar.google.com/citations?user=2LvKPQQAAAAJ&hl=en&authuser=2

LinkedIn:

https://in.linkedin.com/in/latha-rajesh-72779a15