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Dr.R.Kavitha Working as an Assistant Professor in the Department of IT at SRMIST,Ramapuram. She Graduated in Computer Science & Engineering at Madras University,Chennai,Tamilnadu, India. She secured Master of Engineering in Computer Science & Engineering at Sathyabama University, Chennai, India. She Pursued Ph.D. in the field of Data Mining & Cloud Computing at Saveetha University, Chennai, India. She is in teaching profession for more than 16 years. She has presented number of papers in National and International Journals, Conference and Symposiums, published books and patents in various research domains also has 837 Citations in Scopus with Hindex-6 & i10 index-5.

Areas of Research:

Cloud Computing, Deep Learning & Data Mining.

Selected Publications:

1. A novel automated komodo Mlipir optimization-based attention BiLSTM for early detection of diabetic retinopathy,Signal, Image and Video Processing.Abirami, A., Kavitha, R.,2023, 17(5), pp. 1945–1953
2. 2.An efficient early detection of diabetic retinopathy using dwarf mongoose optimization based deep belief network, Abirami, A., Kavitha, R. Concurrency and Computation: Practice and Experience, 2022, 34(28), e7364
3. R.Kavitha,K.Malathi,S.Subaskha Ramesh “AN ANALYSIS OF SECURITY PERSPECTIVE IN INDUSTRIAL IOT” International Journal of Early Childhood Special Education (INT-JECSE) DOI:10.9756/INTJECSE/V14I5.77 ISSN: 1308-5581 Vol 14, Issue 05 2022
4. R.M.Rani, R.Kavitha,R.Deeptha “Analysis of Human Activities in Smart Home Using Abnormal Activity Recognition Algorithm (AAR) and Visualization Techniques” International Journal of Early Childhood Special Education (INT-JECSE) DOI:10.9756/INTJECSE/V14I5.74 ISSN: 1308-5581 Vol 14, Issue 05 2022
5. R.Kavitha K.Malathi,”Recognition and classification of diabetic retinopathy utilizing digital fundus image with hybrid algorithms”,International Journal of Engineering and Advanced Technology[IJEAT], Vol 9, Issue 01 2019 P:109-122

International Conference:

- 1."Comparative Study on Detection of Heart Disease using KNN Algorithm",Kunjachen, L.M., Kavitha, R.6th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2022 - Proceedings, 2022, pp. 14–19
- 2."Predictive and Prescriptive Analytics on Clinical Data using Improved K-NNtechnique",Kunjachen, L.M., Kavitha, R.Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022, 2022
- 3."Privacy Preserving Security Integrating Method with Varying Key Encryption Model in Cloud", Kalyanaraman, B., Kavitha, R. Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022, 2022
- 4."A New Benchmarking for Diabetic Retinopathy Using Machine Learning, Deep Learning and Image Processing Techniques",Abirami, A., Kavitha, R. Proceedings - IEEE International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2022, 2022

Patents:

1. 378124-001-Artificial Intelligence based Liquid Dispenser on 28.01.2023
2. 202241002106-Artificial Intelligent & Open CV Intelligent Bird Journeys Tracking & Migration Forecasts in Real-Time using Python Language on 28.01.2022
3. 202041043821 A Improving the security of internet of things application devices using logical node of virtual over lay network (INVON) on 16.10.2020
4. 202041007660 Implementation of Robotic Vision Closed Circuit Television on 24th April 2020

Books/Book Chapters Published:

1. **Compiler Design** by Scientific International Publishing House ISBN No: 978-93-94002-23-4
2. **Introduction to Machine Learning** by AGPH Publishers ISBN 978-81-19025-99-2

Professional Bodies Member: IEEE, ACM, IAENG. ISTE

Scopus Link:

<https://www.scopus.com/authid/detail.uri?authorId=56990849900>

Google Scholar:

<https://scholar.google.com/citations?user=6mC6YX0AAAAJ>

LinkedIn:

<https://in.linkedin.com/in/kavitha-ramasamy-a37822262>