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Dr.R.Kavitha Working as an Associate Professor in the Department of IT at SRMIST,Ramapuram. She is Graduated in Computer Science & Engineering at Madras University,Chennai,Tamilnadu, India. She has Secured Master of Engineering in Computer Science & Engineering at Sathyabama University, Chennai, India. She has 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 the field of Computer Science & Engineering.

**Areas of Research:**

Cloud Computing, Deep Learning & Data Mining.

**Selected Publications:**

**SCI /Web of Science**

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, Springer Nature.
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. Kavitha, R , Dr.R.Nedunchelian, “Domain-Specific Search Engine Optimization using Healthcare Ontology and a Neural Network Backpropagation Approach” , 2017, Research Journal of

Biotechnology, Special Issue 2, Page No:157-166

6. Dr.R.Kavitha, S.Pothuamani, “Effective security mechanism for cloud storage using biometric system”, 2018, Journal of Mechanics of Continua and Mathematical Sciences, Special Issue No-2, August

7. Kavitha, R , Dr.R.Nedunchelian, “An efficient method to automatic intelligent based searchengine in health care cloud data using c-means withneuro fuzzy system” , 2014, InternationalJounalofApplied EnggResearch(IJAER),Volume9:Issue23,PageNo:22337-22343

8. Kavitha, R , Dr.R.Nedunchelian, “Study on Search Engine Optimization Technique inHealth Care Systemusing Cloud Data, Research Journal of Applied Sciences”, EngineeringandTechnology13(6):432-441 ·September 2016

#### **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 Membership – 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>

