

**Dr. R. Ramya, M.Tech., Ph.D.,**  
**Assistant Professor (Selection Grade),**  
**Department of CSE, CET, SRMIST,**  
**Ramapuram Campus, Chennai.**



**Mail id: ramyar7@srmist.edu.in**

**Dr. R Ramya** is working as Assistant Professor (Selection Grade) in the Department of CSE at SRMIST, Ramapuram campus. She did her B.Tech in Madras University in 2002 and M.Tech from Pondicherry University in the year 2006. She holds a Ph.D degree in the field of Cloud Computing from Sathyabama Institute of Science and Technology since 2020. She has 18 years of teaching experience with good programming skills. She has been recognized as supervisor under SRMIST and is currently guiding 2 scholars. She has received funding from TNSCST in the year 2018. She has done many certification courses from NPTEL. She has published various research articles in National, International Journals and Conferences.

**Area of Research:**

Cloud Computing, Big Data, IoT and Data Science.

**Selected Publications:**

1. R.Ramya, “Evolving Bio-Inspired Robots for Keep Away Soccer through Genetic Programming,” International Conference on Emerging Trends in Robotics and Communication Technologies-2010, Sathyabama University, Chennai, 03rd - 05th , December 2010. (IEEE Sponsered Conference)
2. Ramya, R., & Sasikala, T. (2013), “Survey Findings on Recent Authentication Methods in Cloud Computing,” International Conference on Mathematical Computer Engineering (ICMCE’13), organized by VIT University, Chennai, pp 92,during 29th and 30th November.
3. Ramya, R., & Sasikala, T. (2014), “Experimenting Biocryptic System using Similarity Distance Measure Functions,” International Conference on Advanced Computing (ICoAC’14), Madras Institute of Technology, Chennai, during 17th to 19th December.
4. Ramya, R., & Sasikala, T. (2015), “Implementing A Novel Biometric Cryptosystem using Similarity Distance Measure Function Focusing on the Quantization Stage,” Indian Journal of Science and Technology, vol. 9, pp. 1-9, December.

5. Ramya, R., & Sasikala, T. (2017), "Observation of a New Solution for Handling Biometric Data by Experimenting with Distance Similarity Measures," International Journal of Control Theory and Applications, vol. 10, pp. 277-284, March.
6. Ramya, R., & Sasikala, T. (2018), "A Comparative analysis of similarity distance measure functions for biometric authentication in cloud databases," Cluster Computing (Springer), the Journal of Networks, Software Tools and Applications, ISSN: 1386-7857, pp. 1-9.
7. Ramya, R., & Sasikala, T. (2018), "An Improved Method for analyzing and securing Biometric Data in Cloud Databases," International Conference on Innovations in Engineering and Sciences (ICIES'18), organized by Jeppiaar SRR Engineering College, Chennai, during 23rd and 24th March.
8. Ramya .R and Sasikala .T (2019), "An efficient Minkowskidistancebased matching with Merkle hash tree authentication for biometric recognition in cloud computing", Soft Computing (Springer), A Fusion of Foundations, Methodologies and Applications, ISSN:1432-7643.

#### **Book Chapter:**

1. Experimental Analysis and Performance Enhancement of Security in Cloud Databases, Taylor and Francis, ISBN No 9781003030973, Publication Date: April 2021.

#### **Patents:**

1. Smart Women Self Defence System Using IOT Based Device.202241025471, Publication Date: 3/06/2022.
2. Secured Physical Uncountable Functions Framework using Machine Learning and IOT. 202341002105, Publication Date:20/01/2023.

#### **Professional Bodies:**

1. Member in Indian Society for Technical Education(ISTE) (Member ID:LM 74028)
2. Member in Association for Computing Machinery (Member ID: 4316198)

#### **Google Scholar:**

<https://scholar.google.com/citations?user=FZbEwLEAAAAJ&hl=en&authuser=1>

#### **LinkedIn:**

<https://www.linkedin.com/in/dr-ramya-ravindran-2157b282/>