

**RAFIDHA REHIMAN KA**

Email:rafidharahiman494@gmail.com, [rafidharehimanka@cusat.ac.in](mailto:rafidharehimanka@cusat.ac.in)

Phone : 9947142132 , 9846332185

**Educational Background:** Currently Pursuing PhD  
MTech Information System Security (2013)  
MCA (2005)  
Bsc Mathematics (2001)

**Designation/ Present Position :** Assistant Professor

**Address for Communication :** Department of Computer Applications, CUSAT.

**Experience:**

Assistant Professor on contract , Department of computer applications, Cochin University of Science and Technology, Cochin (December 2007 to April 2019).

Guest Lecturer, Department of computer applications, Cochin University of Science and Technology, Cochin (July 2007 – November 2007).

Guest Lecturer, MSc Software Engineering, Cochin University of Science and Technology, Cochin. (March 2007 – April 2007).

Technical Assistant , ): Department of computer applications, Cochin University of Science and Technology, Cochin. (November 2006 – February 2007).

Guest Lecturer ,G.V. H. S. S Thrikkakara. Programmer (January 2005 – May 2005): Unitech Software Solutions, Alwaye. (June 2005 – January 2006).

**Areas of Specialization:**

Cryptography and Network Security

Security in Computing

Cyber Forensics

Operations Research

Data Mining

## Research Publications :

1. Kannan Balakrishnan, Sherly K.B , Rafidha Rahiman K.A, Prediction of Melting Point using Neural Network Classifiers KNN and K\*, Proceedings of national conference on Computational Chemistry 2009 , M.A College Kothamangalam.
2. Rafidha Rahiman K.A, Kannan Balakrishnan, Sherly K.B, Using neural network classifiers for predicting the Melting Point of Drug – Like compounds, Proceedings of national conference on Soft Computing 2010 , Marian College Kuttikanam.
3. Rafidha Rahiman K.A, Kannan Balakrishnan, Sherly K.B, Using neural network classifier Support Vector Machine Regression for the prediction of Melting Point of Drug – like compounds, ICETECT 2011– IEEE Conference, St. Xavier’s Catholic College of Engineering, Chunkankadai, Nagercoil.
4. Rafidha Rehiman K A, Anju Mathew K, A Sreekumar, A Survey of Machine Translation approach to enhance National Security, NCILC 2012 National Conference on Indian Language Computing, Organized by Department of Computer Applications, CUSAT.
5. Phil Antony Mingo , Rafidha Rehiman K A, Kannan Balakrishnan “An autonomous framework for classifier selection using WEKA” IJECS Volume 2 Issue 3 March 2013 Page No. 696-703.
6. Rafidha Rehiman K A, Keerthy A S, Lakshmi K S, A Sreekumar, Language Identification and conversion system for security, NCILC – 2013, published in CSI digital library.
7. Rafidha Rehiman K A, Lakshmi K S, “A secret sharing scheme and national security enhancement through natural language processing”, International Journal of Computer Science and Engineering ( IJCSE ), ISSN 2278-9960, Vol.2, Issue 3, July 2013, 47-52 c IASET.
8. Rafidha Rehiman K A, Dr. S. Veni, “Security , Privacy and Trust for Smart Mobile devices in Internet of Things – A Literature Study”, International Journal of Advanced Research in Computer Engineering and Technology (IJARCET), volume 4, Issue 5, May 2015.
9. Rafidha Rehiman K A, Dr. S. Veni, “A Secure Authentication Infrastructure for IoT Enabled Smart Mobile Devices – An Initial Prototype”, Indian journal of science and technology, vol 9 ISSN 0974-5645 , 2016.
10. Rafidha Rehiman K A, Dr. S. Veni, “A Trust Management Model for Sensor enabled Mobile Devices in IoT”, I-SMAC 2017 IEEE International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), <https://ieeexplore.ieee.org/document/8058290>, 2017.
11. Rafidha Rehiman K A, Dr. S. Veni, “ Secure Method for Short Message Encoding And Encryption Using Elliptic Curve For IOT Mobile Devices”, International Journal of Pure and Applied Mathematics, Vol 119, No 12, pp- 15269-15278 ISSN 1311 – 8080, 2018.
12. Rafidha Rehiman K A, Dr. S. Veni, “ Identity-based Hashing and Light Weight Signature Scheme for IoT”, ICCVBIC -0169, Chapter No.80, 29/11/2018.
13. Light Weight Cryptography and Homomorphic encryption for IoT, KARPAGAM Journal of Computer Science, Vol 13, Issue 2, ISSN : 0976-2926, 2019.
14. The Implementation Results of Identity-Based Hashing Algorithm for Iot, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8 Issue-11, ISSN: 2278-3075, 2019.