



Mrs. Lakshmi R

Assistant Professor

Experience (Teaching and Industry)

- R N S Institute of Technology (October 2021- till date)
- Global Academy of Technology (July 2015 – October 2021)
- S J B Institute of Technology (Sep 2010 - Sep 2013)
- B M S College of Engineering (March 2009 – Sep 2010)
- Neev Information Technology Pvt. Ltd. (April 2008 – June 2009)

Qualifications

- B.E. from Amrita School of Engineering
- M.Tech. from S J B Institute of Technology
- Pursuing Ph.D from VTU

Specialization (Academics)

- Advanced Java concepts
- J2EE Technology
- Python Programming
- Graph Theory and Combinatorics
- Microprocessors
- System Modeling and Simulation
- Microcontroller and Embedded Systems
- Web Technology and its Applications
- Operating Systems
- Computer Organization
- Discrete Mathematical Structures
- Cryptography, Network Security and Cyber Law
- Automata Theory and Compiler Design

Specialization (Research)

- Quantum Cryptography
- IoT
- Network Security

Publications

- “Implementation and Performance Analysis of Modified AES Algorithm with Key Dependent Dynamic S-Box and Key Multiplication” published in **International Journal of Mathematics and Computer Applications Research (IJMCAR)**; ISSN (Print):2249-6955; ISSN (Online):2249-8060; Volume: 5, Issue: 3, **Impact Factor (JCC): 4.6257, NAAS Rating: 3.80, IC Value: 3.0** in JUNE 2015 Edition.
URL:<http://www.tjprc.org/publishpapers/--1428927638-1.%20Mathematics%20-%20IJMCAR%20%20-%20%20%20IMPLEMENTATION%20AND%20PERFORMANCE%20ANALYSIS%20-%20-%20%20Lakshmi%20R.pdf>
- “Development of E-Institute Management System Based on Integrated SSH framework” published in International Journal of Emerging Trends and Technology in Computer

Science (IJETTCS); ISSN: 2278-6858; Volume: 5, Issue: 3, Impact Factor: 5.663 in JUNE 2016 Edition.

URL: <https://www.ijettcs.org/Volume5Issue3/IJETTCS-2016-06-07-57.pdf>

- “Detection of Text From Natural Scene Images” published in **National Conference on Recent Innovations in Computing Technology (NCRICT2017043)**
- “Implementation and Presentation of Data Encryption and Data Hiding Using RAES Algorithm and Steganography Techniques” published in **International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM)**; ISSN 2320-6608, Volume 54, Issue 1, April 2019.
URL: <http://ijeam.com/Published%20Paper/Volume%2054/Issue%201/55.98.pdf>
- “Extending the confidentiality in Wi-Fi protocol - WPA2 using Revised Advanced Encryption Standard (RAES) Algorithm” published in **International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM)**; ISSN 2320-6608, Volume 54, Issue 1, April 2019.
URL: <http://www.ijeam.com/Published%20Paper/Volume%2054/Issue%201/70.pdf>
- “A survey on Bloom Filters and its Applications, proceedings of 14th National Conference on “Integrated Intelligent Computing, Communication and Security”, May 2019.
- “Survey on Early Detection and Prediction of Heart Diseases using Machine Learning and Data Mining Techniques” published in **International Journal of Computer Sciences and Engineering**; E-ISSN: 2347-2693, Volume 8, Issue 2, February 2020.
URL: https://www.ijcseonline.org/pdf_paper_view.php?paper_id=5026&6-IJCSE-07830-19.pdf
- “Implementation and Comparative Analysis of Classical Algorithms for Early Detection and Prediction of Cardiovascular Disease” presented in International Conference on “Recent Trends in Computer Science and Information Technology” organized by Dept. of CSE, and Information Technology, St. Martin’s College in Association with CSI, Hyderabad.
URL: <https://drive.google.com/file/d/1FCjTRHTAbTiD79FQy41LOuTLlkgv6ucM/view>
- “Female Security System Using IoT and Mobile Computing – FeSecure” published in **International Journal of Computer Sciences and Engineering**, Vol. 9, Issue.8, August 2021.
URL: https://www.ijcseonline.org/pub_paper/1-IJCSE-08672.pdf
- “Comparative Analysis of Security and Privacy Protocols in Wireless Communication” published in **International Journal of Computer Trends and Technology**, Volume 70 Issue 10 October 2022, ISSN: 2231 – 2803
URL: <https://ijcttjournal.org/2022/Volume-70%20Issue-10/IJCTT-V70I10P102.pdf>
- “Hybrid Deep Learning Model for Cyber-Attack Detection” **Proceedings of the 7th International Conference on Intelligent Computing and Control Systems (ICICCS-2023) IEEE Xplore** Part Number: CFP23K74-ART; ISBN: 979-8-3503-9725-3
URL: <https://ieeexplore.ieee.org/document/10142571>
- “Artificial Intelligence in Cybercrime and Cybersecurity” **International Journal of Communication and Networking System (IJCNES)** Print ISSN:2278-2427, Vol. 12 Issue 2 Date of Publication: December 2023
URL: https://ijcnes.com/abstract_meta_citation.php?id=V12_I2_P1