

Table of Contents

Mathematical Foundation of Cryptography

1. Design and Implementation of a Cybersecurity-Enhanced In Four-Channel EEG Monitoring System Using Eight Electrodes
Suraj S. Jadhav, Chaitanya N. Kadadas, Raviranjana Kumar, Shreenivas G. Margamwar, Shubhashri G. Joshi, Jayaraj U. Kidav
2. Review on the Implications of crystals Kyber in LTE networks
Divyaansh Agarwal, Rajakumar Arul, Kalaipriyan Thirugnanasambandam
3. Scalable Dual-Stage Design for Robust Security in WSNs
Jhanvi Arora , Surjit Singh, Jolly Puri
4. Dynamic and Adaptive Broadcast Encryption for VANETs Supporting Inclusive-Exclusive Properties
Kamalesh Acharya, Amit Kumar Singh, Ekant Kumar Buda, Anwesh Mishra
5. Some Properties of Higher Order Mersenne and Gaussian Higher Order Mersenne Polynomials
Rabiranjana Mohanta, Kamalesh Acharya

Authentication Key Management

1. Privacy-Preserving Auditable Authentication Scheme for Vehicular Ad-hoc Networks
J Dharani, K Sundarakantham, D Nagendra Kumar, Kunwar Singh
2. Fortifying Security: Towards Strong Active Outsider-Resilient CRT-Based Group Key Management
Purushothama B R, Gaurav Pareek
3. Simulating Multi-Agent Reasoning for Diverse and Adaptive Career Strategies: A Review
Moh. Toheed, Anshika Singh, Rashmi Rathi Upadhyay, Kanika Singla

Machine Learning in Cybersecurity

1. SMART DETECTION OF INDIAN COUNTERFEIT CURRENCY NOTES USING DEEP LEARNING TECHNIQUES
Laavanya Mohan, Visali Janga, Sai Vinay Chode, Vijayaraghavan Veeramani
2. Enhancing Privacy in Distributed Systems with Laplace Quantization Mechanism
Kalidindi Pavan Teja Satya Varma, G.Balasaisrujan Kumar, Nagesh Bhattu Srist
3. A Lightweight Intrusion Detection Framework for IoT Using Fisher Score Feature Filtering and ML Models

Bhagyasri Bora, Dharitri Brahma, Amitava Nag

4. A Quorum-based Privacy-Preserving Distributed Learning Framework for Anomaly Detection

Pranav P S S, Parth Nagar, Ankit Kumar Singh, M S Srinath

5. Hybrid DCGAN-ResNet50 model for Fake Face Detection

Venkata Madhu Soumya Bapatla, Shashi Mogalla

6. Encrypted training using logistic regression with different polynomial approximations of sigmoid function

Anushka Tushar Seth, Shubhangi Gawali, Amy Corman, Neena Goveas, Asha Rao