ISSN Print: 2074-9090, ISSN Online: 2074-9104 Volume 17, Number 3, June 2025

International Journal of

Computer Network and Information Security



IJCNIS Vol.17
Http://www.mecs-press.org



International Journal of Computer Network and Information Security (IJCNIS)

ISSN Print: 2074-9090, ISSN Online: 2074-9104

Volume 17, Number 3, June 2025

Contents

REGULAR PAPERS	
Preliminary Study of Step-Count Authentication using Wearable Device Sirapat Boonkrong, Wata Kanjanapruthipong	1
Big Data Time Series Forecasting Using Pattern Sequencing Similarity Gaurav Sharma, Kailash Chandra Bandhu	18
Sturdy Blockchain Combined with E-apps Repositories Based on Reliable Camouflaging and Integrating Mechanisms Rasha Hallem Razzaq, Duaa Hammoud Tahayur, Wid Alaa Jebbar, Mishall Al-Zubaidie	35
On Cryptanalysis of 3-DES using Nature-Inspired Algorithms Subinoy Sikdar, Sagnik Dutta, Malay Kule	54
GraphConvDeep: A Deep Learning Approach for Enhancing Binary Code Similarity Detection using Graph Embeddings Nandish M., Jalesh Kumar, Mohan H. G., Manjunath Sargur Krishnamurthy	72
Post-quantum Digital Signatures using ElGamal Approach Maksim Iavich, Dana Amirkhanova Sairangazhykyzy	89
Development and Testing of Voice User Interfaces Based on BERT Models for Speech Recognition in Distance Learning and Smart Home Systems Victoria Vysotska, Zhengbing Hu, Nikita Mykytyn, Olena Nagachevska, Kateryna Hazdiuk, Dmytro Uhryn	109
Multi-modal Cyberbullying Detection with Severity Analysis Using Deep-Tensor Fusion Framework Neha Minder Singh, Sanjay Kumar Sharma	144