

Journal of Advances in Information Technology

CONTENTS

Volume 15, Number 2, 2024

A Lightweight Mutual Authentication Protocol for Internet of Vehicles.....	155
<i>Myasar Tabany* and Mohiuddin Syed*</i>	
AI-Based PdM Platform in Deciding Failure of Automobile SCU Equipment.....	164
<i>Sung Hyun Oh and Jeong Gon Kim*</i>	
Evaluation of Multipath Based Protocols in Wireless Networks	170
<i>Pushpender Sarao</i>	
Study of Manhattan and Region Growing Methods for Brain Tumor Detection	183
<i>Suhendro Y. Irianto*, Sri Karnila, and Dona Yuliawati</i>	
Efficient Random Forest Acceleration for Edge Computing Platforms with FPGA Technology.....	195
<i>Cuong Pham-Quoc*, Trung Pham-Dinh, Binh Kieu-Do-Nguyen</i>	
An Improved Fake News Detection Model Using Hybrid Time Frequency-Inverse Document Frequency for Feature Extraction and AdaBoost Ensemble Model as a Classifier	202
<i>Lakshmi Holla and K. S. Kavitha*</i>	
Two-Stage Deep Learning Technology Based Iris Recognition Methodology for Biometric Authorization	212
<i>Cheng-Shun Hsiao, Chia-An Chang, and Chih-Peng Fan*</i>	
Hybrid Deep Learning Network Intrusion Detection System Based on Convolutional Neural Network and Bidirectional Long Short-Term Memory.....	219
<i>Anindra Ageng Jihado* and Abba Suganda Girsang</i>	
Improved Encryption Algorithm for Public Wireless Network.....	233
<i>Christopher Khosa*, Topside Mathonsi, Deon du Plessis, and Tshimangadzo Tshilongamulenzhe</i>	
Minimizing the Energy Consumption and Exploiting the NLT by E2HCA Model in WSN	245
<i>Siddamsetty Saritha* and Edara Srinivasa Reddy</i>	
Hand Gesture Recognition Based on Electromyography Signals and Deep Learning Techniques.....	255
<i>Mai H. Abdelaziz*, Wael A. Mohamed, and Ayman S. Selmy</i>	
Ovarian Tumors Detection and Classification from Ultrasound Images Based on YOLOv8	264
<i>Thi-Loan Pham and Van-Hung Le*</i>	
A Virtual Reality Game Utilizing L-Systems for Dynamic Level Generation.....	276
<i>Matthew Yaswinski*, Jeyaprakash Chelladurai, and Shivani Barot</i>	
An Integrated Deep Learning Model for Concurrent Speech Dereverberation and Denoising.....	281
<i>Vijay M. Mane*, Seema S. Arote, and Shakil A Shaikh</i>	
Criminal Court Judgment Prediction System Built on Modified BERT Models	288
<i>Shannen Latisha, Sean Favian, and Derwin Suhartono*</i>	

Interpretation of Chlorophyll Indexes to Estimate the Health Status of Plants within a Polyculture Model Implemented in the Municipality of Ponedera, Atlántico (Colombia), Using Multispectral Images 299
Luis Daniel Gualdrón, Gonzalo G. Moreno, and Oscar E. Gualdrón-Guerrero*

Assamese Dialect Identification Using Static and Dynamic Features from Vowel 306
Hem Chandra Das and Utpal Bhattacharjee*