

ISSN Print: 2074-9023, ISSN Online: 2074-9031
Volume 18, Number 3, June 2026

International Journal of

Information Engineering and Electronic Business

Vol.18

No.3 Jun. 2026

IJIEEB Vol.18

[Http:// www.mecs-press.org](http://www.mecs-press.org)

Vol. 18 No.3 June 2026



Contents

REGULAR PAPERS

AI-driven Psychographic and Behavioral Segmentation of Prospective University Students in Vietnam <i>Nguyen Tat Trung, Quang Hung Do, Duc Trong Pham, Doan Thi Thanh Hang</i>	1
A Multi-Modal Transformer Model with Gated-LSTM for Sarcasm Detection in Tweets Using Cross-Attention and Emoji Integration <i>Shaikh Ambreen Mohd Ibrahim, Manoj M. Deshpande, Vijaykumar N. Pawar</i>	21
Methodological Approaches to Assessing Enterprise Information Security Using a Process-Oriented Approach <i>Yuliia Kostiuk, Volodymyr Sokolov, Pavlo Skladannyi, Karyna Khorolska</i>	37
Secure Electronic Health Records with Effective Data Management in Blockchain Framework Using FPOS <i>Geetanjali Prashant Mohole, Shrinivas K. Sonkar</i>	52
SOWA Method Framework: New Algorithm for Criteria Weight Balancing with a Hybrid Subjective and Objective Approach <i>Sumanto, Aditya Lapu Kalua, Fintri Indriyani, Rakhmadi Irfansyah Putra, Ayuni Asistyasari, Adhie Thyo Priandika</i>	71
Comparative Performance and Optimization Strategies for Cloud-Native Architectures: A Focus on Scalability, Cost, and Resource Utilization <i>Gift Aruchi Nwatuze</i>	87
NeuroFortis: Blockchain-Powered Federated Learning for ADHD Diagnosis via IoMT Data <i>Puja Das, Chitra Jain, Ansul, Kamal Kumar Gola, Moutushi Singh</i>	103
Scenario Based Security and Reliability Evaluation of Connected Autonomous Vehicles Using a Hybrid CRITID-Fuzzy BWM-VIKOR Swarm Approach <i>Fadoua Tamtam, Amina Tourabi</i>	124
AI-Based Metaheuristic Algorithm for Reducing Cost and VM Failure Rate in Task Scheduling within Cloud Computing Environments <i>Santhosh Kumar Medishetti, G. Soma Sekhar, Kommuri Venkatrao, Rani Sailaja Velamakanni</i>	142
Knowledge Transfer and Innovation through University - Industry Collaboration <i>Tanvir Ahmed, Akhterujjaman Siddiquee, Sheikh Sidratul Muntaha Punno, Moshiur Rahman, Fahmida B. Menaka, S. Gayathri</i>	163
IoT-Based Smart Homes: Technologies, Security Risks and Countermeasures <i>Tanvir Ahmed, Akhterujjaman Siddiquee, Sheikh Sidratul Muntaha Punno, Moshiur Rahman, Fahmida Ahmed Antara, Sadia Enam</i>	185
A Hybrid Quantum-Classical Transformer Framework for Robust Depression Detection on Social Media: Enhancing Sensitivity via Variational Quantum Circuits <i>Gaurav Kumar, Rakesh Kumar Saxena, Rocky Kumar</i>	203
