

Journal of Advances in Information Technology

CONTENTS

Volume 13, Number 1, February 2022

Monitoring and Controlling of a Real-Time Ball Beam Fuzzy Predicting Based on PLC Network and Information Technologies.....	1
<i>Suppachai Howimanporn, Sasithorn Chookaew, and Chaiyaporn Silawatchananai</i>	
Contribution on the Control of Mixed Constrained Discrete Event Systems for a Flexible Workshop Application	9
<i>Ben Afia Nesrine, Amari Said, and Messaoud Hassani</i>	
Patient-Ventilator Asynchrony Detection via Similarity Search Methods.....	15
<i>Chenyang Wang, Uwe Aickelin, Ling Luo, Goce Ristanoski, Mark E. Howard, and David Berlowitz</i>	
Balanced Weight Joint Geometrical and Statistical Alignment for Unsupervised Domain Adaptation	21
<i>M. S. Rizal Samsudin, Syed A. R. Abu-Bakar, and Musa M. Mokji</i>	
Government Construction Project Budget Prediction Using Machine Learning.....	29
<i>Wuttipong Kusonkhum, Korb Srinavin, Narong Leungbootnak, Preenithi Aksorn, and Tanayut Chaitongrat</i>	
Performance of Machine Learning Techniques in Anomaly Detection with Basic Feature Selection Strategy - A Network Intrusion Detection System	36
<i>Md. Badiuzzaman Pranto, Md. Hasibul Alam Ratul, Md. Mahidur Rahman, Ishrat Jahan Diya, and Zunayeed-Bin Zahir</i>	
Robust Blind Medical Image Watermarking Using Quantization and SIFT with Enhanced Security.....	45
<i>Tuan Nguyen-Thanh and Thuong Le-Tien</i>	
Journeyfy: An Android-Based Mobile Application Utilizing Persuasive Technology for Assisting in Vice Cessation.....	53
<i>Mary Jane C. Samonte, Dan Christopher B. Fandiño, Angelo Luisse S. Gonzales, and Luis Angelo R. Pono</i>	
Data Driven Decision Analysis on the Performance of Electronic Companies with TOPSIS Model.....	61
<i>Lam Weng Siew, Lam Weng Hoe, Mohd Abidin Bakar, and Lee Pei Fun</i>	
Mental Health Analyzer for Depression Detection Based on Textual Analysis.....	67
<i>Pranav Bhat, Alwin Anuse, Rupali Kute, R. S. Bhadade, and Prasad Purnaye</i>	
AI-Powered University: Design and Deployment of Robot Assistant for Smart Universities.....	78
<i>Thanh-Hiep Nguyen, Duy-Nhat Tran, Doan-Linh Vo, Van-Hung Mai, and Xuan-Quy Dao</i>	
Privacy, Security and Policies of the Semantic Web: A Review.....	85
<i>Sana Al Azwari</i>	
An Optimized Neural Network Using Genetic Algorithm for Cardiovascular Disease Prediction	95
<i>Jan Carlo T. Arroyo and Allemar Jhone P. Delima</i>	
Production Capacity Prediction of Thyristor Based on Fuzzy Neural Network.....	100
<i>Zhi-Wen Xia, Yi-Fei Wang, Ke-Xin Yang, and Li-Jun Jin</i>	