

Journal of Advances in Information Technology

CONTENTS

Volume 13, Number 2, April 2022

Real Time Audio-Based Distress Signal Detection as Vital Signs of Myocardial Infarction Using Convolutional Neural Networks.....	106
<i>H. M. Mohan and S. Anitha</i>	
Implementation of Real Time Data Collection Process Automation Control Using IIoT Applications	117
<i>Suppachai Howimanporn, Sasithorn Chookaew, and Chaiyaporn Silawatchananai</i>	
A New Framework for Analyzing News in the Financial Markets to Enhance the Investor's Perception	125
<i>Issam Aattouchi and Mounir Ait Kerroum</i>	
Multimodal Wearable Sensing for Sport-Related Activity Recognition Using Deep Learning Networks	132
<i>Sakorn Mekruksavanich and Anuchit Jitpattanakul</i>	
Reinforcement Learning Based Offloading Framework for Computation Service in the Edge Cloud and Core Cloud	139
<i>Nasif Muslim, Salekul Islam, and Jean-Charles Grégoire</i>	
Step-by-Step Acquisition of Cooperative Behavior in Soccer Task.....	147
<i>Takashi Abe, Ryohei Orihara, Yuichi Sei, Yasuyuki Tahara, and Akihiko Ohsuga</i>	
The Comparison of Techniques for Estimating and Measuring the Movement Time of the Right Thumb in a Curve on a Smartphone Based on Fitt's Law	155
<i>Jarumon Nookhong and Nutthapat Kaewrattanapat</i>	
Detection and Identification with Analysis of <i>Carica papaya</i> Leaf Using Android	162
<i>John A. Bacus and Noel B. Linsangan</i>	
Performance Evaluation of Sentiment Analysis on Text and Emoji Data Using End-to-End, Transfer Learning, Distributed and Explainable AI Models	167
<i>Sirisha Velampalli, Chandrashekhar Muniyappa, and Ashutosh Saxena</i>	
CrowdSurge: A Crowd Density Monitoring Solution Using Smart Video Surveillance with Security Vulnerability Assessment.....	173
<i>Mary Jane C. Samonte, Andrea Camille Garcia, Jealine Eleanor E. Gorre, and Joshua Angelo Karl R. Perez</i>	
Increasing Accessibility of Language Models with Multi-stage Information Extraction.....	181
<i>Conrad Czejdo and Sambit Bhattacharya</i>	
Fast Data-Centric Optimization of Nonlinear Dynamic Flows on Network System Suited for Big-Data and Extreme Computing.....	186
<i>Wataru Sakurai, Tsuyoshi Ichimura, Kohei Fujita, Lalith Wijerathne, and Muneo Hori</i>	
AI Based Cancer Detection Models Using Primary Care Datasets	192
<i>Goce Ristanoski, Jon Emery, Javiera Martinez Gutierrez, Damien McCarthy, and Uwe Aickelin</i>	
Towards Building a Facial Identification System Using Quantum Machine Learning Techniques	198
<i>Philip Easom-McCaldin, Ahmed Bouridane, Ammar Belatreche, and Richard Jiang</i>	