## JOURNAL OF ENGINEERING RESEARCH AND SCIENCES

Volume 1 Issue 5	May 2022	
CONTENTS		
Ideas at the Basis of Development of Software fo Safety and Design Viacheslav Sergeevich Okunev	or Specific Nuclear Reactor 01	
<i>Machine Learning Aided Depression Detection ir</i> Vijay Kumar, Muskan Khajuria, Anshu Singh	n Community Dwellers 17	
A Deep Reinforcement Learning Approach to E Vehicles Crossing a Signalized Intersection Joshua Ogbebor, Xiangyu Meng, Xihai Zhang	Eco-driving of Autonomous 25	
PWM Controlled Bidirectional Converter having I	Load-Independent Voltage- 34	
<i>Gain</i> Muhammad Tanveer Riaz, Umar Saeed, Saba V Manzoor Ahmed	Vaseem, Sidra Riaz, Eman	
<i>Comparative Analysis of Scheduling Algorithms</i> Maryam Imran Sheik Mamode, Tulsi Pawan Fow		
Impact Analysis of Duck Curve Phenomena with Storage Technologies Giovani Manuel Pitra, Kameswara Subrahmanya	-	
Optimization of Proportional Solenoid for Fa Recursive Method in OCTAVE and FEMM Tom Thampy, Emmanuel Gospel Raj Rivington,	-	
Analyzing the Impact of Challenges in Prefabric Supply Chains Rishabh Rastogi, Sushil Kumar Solanki, Virendra	-	
Electrochemical Desalination Test of Bricks a Historical Buildings in Japan Risako Fukami, Toshiya Matsui	as a Building Material for 79	
Layer Based Firewall Application for Detection Attack on SDN Network Yubaraj Gautam, Kazuhiko Sato, Bishnu Prasad		
Loaded by RL-Branch EMC Filter on the Outp Function Taking into Account Resistances a Transfer Function Derivation Pustovetov Mikhail		
Humankind and Ubiquitous Autonomous AI: A Interaction? A Socio-Philosophical Inquiry Michael A. Vidalis, Antonios S. Andreatos	A Symbiotic or Dystopian 109	
Quantitative Analysis Between Blackboard Lear and Students' Learning	ning Management System 119	

Charles Darko

Surface Defect Detection using Convolutional Neural Network Model Architecture Sohail Shaikh, Deepak Hujare, Shrikant Yadav	134
Design and Analysis of Dual Acting Opposed Piston MR Damper Muhammad Aamish Khan	
<i>Survey on Developing a Low Cost System for Taxi Payment</i> Suleiman Taha, Raed Saeed Mohammad Daraghma	
Offline Signature Verification based on Edge Histogram using Support Vector Machine Sunil Kumar Dyavaranahalli Sannappa, Kiran, Sudheesh Kannur Vasudeva Rao, Yashwanth Jagadeesh	160
Competency Manifestation Clues within Interactions in Computer Mediated Communication Hocine Merzouki, Nada Matta, Hassan Atifi, Francois Rauscher	167
Evolution in Software Product Lines: Defining and Modelling for Management Amougou Ngoumou, Marcel Fouda Ndjodo	179
Hybrid Frameworks for the Multi-objective Optimization of Distributed Generation Units and Custom Power Devices with Simultaneous Distribution Network Reconfiguration Pamela Ramsami, Robert Tat Fung Ah King	186
Evaluating Project Complexity in Construction Sector in India Amit Moza, Virendra Kumar Paul, Sushil Kumar Solanki	198
Model for Assessing Mobile Business Intelligence Readiness within South African Telecommunications Industry Philip Marothi Lemekwane, Nkqubela Ruxwana	213
Barriers of the Green Supply Chain Management Implementation: A Benchmark of Studies of Analytic Hierarchy Process and Interpretive Structural Modeling Hamza Fahmy, Mohamed Mazouzi, Ayoub Alami Masmoudi, Tamasna El Mehdi	223
An Analysis of SiC Power Electronics Implementation in Green Energy Based Extremely Fast Charging Naireeta Deb, Rajendra Singh	231
<i>An Algebraic Specification/Schema for JSON</i> Konstantinos Barlas, Petros Stefaneas	243
VSC-HVDC Robust LMI Optimization Approaches to Improve Small-Signal and Transient Stability of Highly Interconnected AC grids Yankai Xing, Elkhatib Kamal, Bogdan Marinescu, Florent Xavier	251