International Journal of Engineering Research and Applications (IJERA)

Editor-In-Chief

Prof. Manju Sharma

Editorial Board Members

Dr. Hadi Arabshahi, Iran A. K. M Nazmus Sakib, Bangladesh

Dr. Eugen Axinte, Romanian Dr. Rao, P.hd, USA

Dr. Yaduvir Singh, India Dr. Aknuas William, Australia

Dr. Shahram Jamali, Iran

Associate Editorial Board members

Sukumar Senthil Kumar

Universiti Sains Malaysia, School of Mathematical Sciences, Malaysia

Dr. Bensafi Abd-El-Hamid

Abou Bekr Belkaid University of Tlemcen, Algeria Tamilnadu, India

Dr. Prasanta K Sinha

Deputy Director, Durgapur Institute of Advanced Technology & Management, West Bengal

Hari Mohan Pandey

Middle East College of Information Technology, Under Coventry University, U.K.

Dr. V S Giridhar Akula

Professor and Principal, Avanthi's Scientifi Technological and Research Academy (JNTU), Hyderabad

Dr. Prasanta K Sinha

Durgapur Institute of Advanced Technology & Management, Durgapur

Dr. A.V.Senthil Kumar

Director, MCA depart, Hindusthan College of Arts and Science,

Dr. Suresh Prasad Singh

H.O.D.(Chemical Engineering), B. I. T. Sindri, Dhanbad

Patrick Tiong Liq Yee

Universiti Teknologi Malaysia, Malaysia,

Dr. Santosh K. Pandey

Department of Information Technology Board of Studies, The Institute of Chartered Accountants of India

Contact Details

Ukraine Office

First floor, ST Street, Ivano-Frankivsk, 76008, Ukraine **India Office**

SC-89, Shastri Nagar, Ghaziabad, UP, India

Email: ijera.editor@gmail.com Website: www.ijera.com









ISSN: 2248-9622



International Journal of Engineering Research and Applications (IJERA)

Volume 14 - Issue 7 **July 2024**

Peer Reviewed Refereed Journal







All Papers are indexed in Index Copernicus



International Journal of Engineering Research and Applications (IJERA)

Contents:

Central Banks

Human Gait Analysis Using Machine Learning	01-05
Development of Powder Metallurgy Setup for Preparation of Specimens as per ASTM Standards	06-19
Structural Damage Detection in Plates Using Wavelet Theories	20-27
Effect of Ageing in Various Bituminous Mixes	28-36
A Review on Smart Charging Infrastructure for Electric Vehicles	37-46
Design of Advanced Wearable Device for Visually Impaired People	47-53
Electronic Obstacle Detector Spectacles for the Visually-Impaireds without Microcontroller	54-57
FIDO2: A comprehensive study on passwordless authentication	58-63
Interplay of Mobile Computing and Smart Grid Manuscript: Enhancing Energy Efficiency and Management	64-69
Online Food Delivery App: MEALO	70-73
The use of mobile telephony among university students: a case study in Colombia	74-80
Predicting Stock Prices Using Machine Learning	81-88
Artificial Intelligence and lot Based Traction Motor Drive Condition Motoring In Hybrid Electric Vehicle	89-94
Study on Enhancing M25 and M30 Grade Concrete for Sand Replacement and Addition of Fibers	95-99
A Framework to strengthen the Reliability OF financial Technology Lending Applications by Integrating with	100-105