

ISSN : 2248-9622

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. Prasanta K Sinha Durgapur Institute of Advanced Technology & Management, Durgapur
Dr. Bensafi Abd-El-Hamid Abou Bekr Belkaid University of Tlemcen, Algeria Tamilnadu, India	Dr. A.V.Senthil Kumar Director, MCA depart, Hindustan College of Arts and Science,
Dr. Prasanta K Sinha Deputy Director, Durgapur Institute of Advanced Technology & Management, West Bengal	Dr. Suresh Prasad Singh H.O.D.(Chemical Engineering), B. I. T. Sindri, Dhanbad
Hari Mohan Pandey Middle East College of Information Technology, Under Coventry University, U.K.	Patrick Tiong Liq Yee Universiti Teknologi Malaysia, Malaysia,
Dr. V S Giridhar Akula Professor and Principal, Avanthi's Scientific Technological and Research Academy (JNTU), Hyderabad	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



International Journal of Engineering Research and Applications (IJERA)

**Volume 12 - Issue 10
October 2022**

Peer Reviewed Refereed Journal



All Papers are indexed in Index Copernicus



International Journal of Engineering Research and Applications (IJERA)

Volume : 12 Issue : 10

ISSN : 2248-9622

October-2022

Contents :

Development of a failsafe protection system for safety of water cooledchiller machine	01-15
Construction measurements of fire protection	16-23
Study the Effect on the Flexural Behavior of Reinforced Concrete Beams Using Waste Materials	24-32
Mitigation of Voltage Sag and Swell using Dynamic Voltage Restorer and its Simulation and Configuration using MATLAB	33-39
Digital Logic Circuit	40-45
Evaluation of Asbestos Graphite Fibrous Packing rings Used in Valve System	46-49
Jigs and Fixtures in Manufacturing	50-55
Harvesting Wind Energy with TENG at Low Wind Speeds	56-61
Design and Fabrication of Soot Collector and Filtration of Soot	62-72
Diabetes Prediction Using Machine LearningTechniques	73-80
A Theoretical Aspect of Lattice Based Cryptography	81-87
Successful Autonomous Vehicles Human Machine Interfaces from a UX Design perspective: A Review	88-91
Robotic Arm for Sign Language Interpretation with sentiment analysis and auto-complete text features	92-99