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Nota di contenuto	A New Criss-Cross based asymmetrically configured T-Type Multi-level Inverter -- Estimation of State-of-Charge for Lithium-Ion EV Battery Packs using Passive Cell Balancing -- A Comprehensive Review Based on Conventional and Artificial Intelligence Strategies for MPPT based Solar PV System -- Application of a BDDC bidirectional brushless DC drive on a pump hydro energy storage system -- A Dual Axis Sun Tracking Solar Pane Controlling By Arduino -- Performance of a modified impedance source inverter in solar power system -- Stability aware Low power 8T SRAM Cell using CNFET in 22nm Technology -- A comparison of STATCOM and modified-UPFC 3-level inverters in renewable energy -- A Comparative Analysis of Different Methods of

Soc Estimation in The Electric Vehicle -- Analysis and Design of Single phase Z-source inverter with different PWM techniques for Standalone PV system -- A Novel HK-Type Multi-level Inverter for Reduced Power Electronic Devices -- A review on incipient fault detection, location and classification in underground cable -- FinFET Fractional order Injection Locked Oscillator -- The performance of Solar PV panels and arrays affected by outdoor parameters -- Incipient Fault classification in Underground Distribution Cable Using Fine Decision Tree Classifier -- Analysis of High Frequency AlGaIn/GaN Based HEMT for Resistive Load Inverter -- Electrical Performance Analysis of 20 nm Gate Length Based FinFET -- Soliton Propagation And Its Applications -- Study of High Electron Mobility Transistor for Bio-logical Sensors -- A Modified Square Shaped Slotted Patch Antenna Based on Defective Ground Structure for Wireless Communication -- Novel and Secure Framework for Secure Cryptography for Future IoT Applications -- Heart Problem Prediction Using Machine Learning Technique -- Estimation of prioritization of test cases using Machine learning algorithms -- An Intelligent Personalized E-Learning System based on Dynamic Learner's Preference -- Performance Analysis of Cost Measure Methods to calculate Motion Vector in Motion Estimation Algorithms -- Optimal control of Malicious Codes in a Computer Network by Quarantine and Isolation Strategy -- Quarantine Approach to Defend Against Malicious Codes in a Traditional Antivirus Computer Network -- A Review on Role of Soft-Computing (SC) Techniques in Microgrid Energy Management Systems -- Potato Plant Leaf disease classification using Deep CNN -- Classification of Lung Cancer using Deep Learning -- Review Paper on Glaucoma Detection Using Machine Learning -- Modification of Evolutionary Algorithm Using Wavelet Transformation -- Monitoring Water Quality based on Potability using Machine Learning and IoT -- Empirical Research on Electronic Education Perception Post Covid-19 -- Empirical Research on Global Education: Comprehending Higher Education Policies -- A Study on Workplace Happiness & The Impact of Work Life Balance on Workplace Happiness at Etron Isolution, Pvt Limited -- Bankers' Awareness, Perception, Willingness to Use The Digital Rupee and its Potential Implications For the Indian Economy -- Revolutionizing Digital Marketing with Artificial Intelligence Solutions: A Four-Step Sequential Model -- Comprehending the relevance of industry, innovation and infrastructure in United Kingdom: A Research on SDG-9 (Sustainability Development Goal-9) -- Examining the Impact of Foreign Aid on Electrical Infrastructure Development in South Asian Countries: Comprehending the correlation between Foreign Aid and Corruption -- Developing Innovative Technology in Admission System for Chinese Higher Education Institutions: Explanatory Research on Cultural Identity Education -- Investigating the role of Industrial Design in Manufacturing and Production firms: Identifying the role of Engineering Concepts -- User Centred Design Model Towards User Satisfaction in Using Online Information Of Smart Government -- Multipitch detection using Complex Morlet wavelet-based technique -- Reviewing the Role of Counterfeit Medicines in the Healthcare Sector: An Engineering Perspective -- Portfolio Management of Private Islamic Banks: Review of Current State of Affairs, Trends and Islamic Banking in Malaysia.

Sommario/riassunto

This book gathers selected research papers presented at the 5th International Conference on Energy Systems, Drives, and Automation (ESDA 2022). It covers a broad range of topics in the fields of renewable energy, power management, drive systems for electrical machines, and automation. This book also comprehensively discusses related tools and techniques and is a valuable resource for researchers,

professionals, and students in electrical and mechanical engineering disciplines.
