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Nota di contenuto	Crop Yield Prediction Based On Weather and Soil Parameters Using Regression Tree Model -- A grey wolf optimization inspired hybrid method for disease identification -- Automated Retinal Blood Vessel Segmentation Using Modified UNet Architecture -- Design of 1-DOF Integer and Fractional-OrderDesign of 1-DOF Integer and Fractional-Order PID Controllers using an Ensemble Differential Evolution for a Magnetic Levitation System -- Substrate integrated waveguide H-plane horn MIMO antenna design for mmW applications -- BSVM: A BERT

based Support Vector Machine for Hindi Hostile Content Detection -- Residual Convolutional Neural Network Models for COVID-19 Detection from Chest X-ray: A Comparative Study -- Prediction of Client Term Deposit Subscription Using Machine Learning -- Real Estate Price Prediction using Machine Learning -- A comparative study to detect cervical dysplasia by using Pap smear images -- Design of a Cost-Effective Remote Health Monitoring System Using IoT -- Current exploration in microfluidics based point-of-care biosensor applications: A review -- A review on memristor based reactance-less relaxation oscillator -- Optimal Control and Voltage Sag Compensation in a PV/FC Integrated Microgrid Through Biography Based Optimization Technique -- Performance Comparisons of MPEDE-based Integer and Fractional-Order PID Controllers for a Cruise Control System.

Sommario/riassunto

The book is a collection of best selected research papers presented at the Fourth International Conference on Communication, Devices and Computing (ICCCDC 2023). The book covers new ideas, applications and experiences of research engineers, scientists, industrialists, scholars and students from in and around the globe. It covers research contributions from communication technologies which are from the areas such as 5G communication, next-generation Wi-Fi, spread spectrum systems, satellite and high altitude platforms, radio over fiber techniques, wireless sensor networks, modulation and diversity technique, ad hoc and mesh networks, cognitive radio networking, optical wireless and visible light communications, signal processing for secure communication, millimeter wave and terahertz communication, design, control and management of optical network, error control coding and information theory, printed antennas, performance analysis of wireless network, smart antennas and space time processing.
