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Nota di contenuto	-- Smart, Sustainable Cities and Climate Change Management. -- Perceptions of South African Residents on Alternative Energy Sources in Mitigating Load Shedding. -- Development of Microservice Application for Environment Monitoring. -- Real-time Surveillance Network System for Traffic Monitoring and Reporting. -- Curation and Annotation of an Indigenous Bible Corpus for Named Entity Recognition Model. -- Selected Applications of Artificial Intelligence in Pursuing the Sustainable Development Goals. -- Innovation in Healthcare Systems. -- Early Detection of Pregnancy Complications Using Deep Learning Techniques. -- Deep Learning-Based Music Emotion Analysis and Its Application in Music Therapy. -- A Video-Based Gender Classification System Using White Shark Optimizer based Support Vector Machine. -- Optimization-Improved Genetic Algorithms and Advanced Classification Techniques for Efficient Big Data Analysis. -- Health

Monitoring System for Underground Miners. -- Environmental Monitoring, Smart Agriculture and Smart Education. -- EduSim: a multi-agent model for simulating the impacts of urban and demographic growth on school infrastructures demand and offer in the city of Ouagadougou. -- Designing an e-Voting System based on Blockchain and Smart Contracts in Developing Countries. -- Artificial Intelligence Influence on Learner Outcomes in Distance Education: A Process-Based Framework and Research Model. -- Assessment of students' performance using Machine Learning: A bibliometric study. -- Optimization and Prediction of Crop Yields with Machine Learning: A Bibliometric Analysis.

Sommario/riassunto

This book constitutes the refereed conference proceedings of the 7th International Conference on Emerging Technologies for Developing Countries, AFRICATEK 2024, held in Ilorin, Nigeria, during August 6–8, 2024. The 15 full papers included in this book were carefully reviewed and selected from 42 submissions. They were organized in the below following topics such as : Smart, Sustainable Cities and Climate Change Management; Innovation in Healthcare Systems; Environmental Monitoring, Smart Agriculture and Smart Education.
