1. Record Nr. UNINA9910627263003321

Titolo	IOT with smart systems : proceedings of ICTIS 2022 / / edited by Jyoti Choudrie, [and three others]
Pubbl/distr/stampa	Singapore : , : Springer, , [2023] ©2023
ISBN	981-19-3575-0
Descrizione fisica	1 online resource (791 pages)
Collana	Smart Innovation, Systems and Technologies ; ; v.312
Disciplina	354.81150006
Soggetti	Information technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface -- Contents -- About the Editors -- 1 Hand Gesture-Controlled Simulated Mouse Using Computer Vision -- 1.1 Introduction -- 1.2 Existing Systems -- 1.3 Proposed Solution -- 1.4 Requirements for Proposed System -- 1.5 Methodology -- 1.5.1 Video Acquisition -- 1.5.2 Color Conversions -- 1.5.3 Noise -- 1.5.4 Cursor Mapping Using Centroid of Red Part -- 1.5.5 Perform Different Operations -- 1.6 Further Development -- 1.7 Conclusion -- References -- 2 E-Commerce Web Portal Using Full-Stack Open-Source Technologies -- 2.1 Introduction -- 2.2 Literature Review -- 2.3 Technologies Used -- 2.3.1 Node.js -- 2.3.2 React.js -- 2.3.3 Express.js -- 2.3.4 MongoDB -- 2.4 Proposed System -- 2.5 Conclusion -- References -- 3 Design of a QoS-Aware Machine Learning Model for High Trust Communications in Wireless Networks -- 3.1 Introduction -- 3.2 Literature Review -- 3.3 Proposed QoS-Aware Machine Learning Model for High Trust Communications in Wireless Networks (QAMLHT) -- 3.4 Statistical Analysis -- 3.5 Conclusion and Future Scope -- References -- 4 Application of Machine Learning in Mineral Mapping Using Remote Sensing -- 4.1 Background -- 4.2 Related Work -- 4.3 Geospatial Analysis Using Machine Learning -- 4.4 Conclusion -- References -- 5 An Improved Energy Conservation Routing Mechanism in Heterogeneous Wireless Sensor Networks -- 5.1 Introduction -- 5.2 Related Work -- 5.3 Proposed Work -- 5.4 Simulation Results -- 5.4.1 Stability Period -- 5.4.2 Dead Nodes Verse the Round Numbers --

5.4.3 Throughput -- 5.4.4 Alive Nodes Versus Round -- 5.4.5 Instability Period -- 5.5 Conclusion -- References -- 6 Prediction of COVID-19 Severity Using Patient's PHR -- 6.1 Introduction -- 6.2 Methodology -- 6.3 Implementation -- 6.3.1 Data Sets -- 6.3.2 Code Conventions -- 6.4 Results and Discussion -- 6.5 Conclusion -- 6.5.1 Future Enhancement -- References.
7 A Survey on Crop Rotation Using Machine Learning and IoT -- 7.1 Introduction -- 7.2 Background -- 7.2.1 Internet of Things -- 7.2.2 Machine Learning -- 7.2.3 Crop Rotation -- 7.3 Literature Survey -- 7.4 Proposed System -- 7.5 Conclusion and Future Scope -- References -- 8 Survey of Consumer Purchase Intentions of Live Stream in the Digital Economy -- 8.1 Introduction -- 8.2 Literature Review -- 8.2.1 Contract -- 8.2.2 Brand Loyalty -- 8.2.3 Cognitive Value -- 8.2.4 Emotion -- 8.2.5 Consumer Behavior Theory -- 8.3 Research Design -- 8.3.1 Research Design -- 8.4 Data Analysis and Findings -- 8.5 Conclusions and Future Research -- References -- 10 Leveraging Block Chain Concept: Service Delivery Acceleration in Post-pandemic Times -- 10.1 Background -- 10.2 IT Service Delivery-Current Scenario -- 10.3 Services-A Perspective -- 10.4 Identity and Access Management in Service Delivery -- 10.5 Opportunities to Leverage-Barriers and Bridges -- 10.6 Creating Information Block -- 10.7 Implementation Plan -- 10.8 Conclusion -- References -- 11 An Effective Computing Approach for Damaged Crop Analysis in Chhattisgarh -- 11.1 Introduction -- 11.2 Factors Affecting crop -- 11.2.1 Rainfall -- 11.2.2 Soil -- 11.2.3 Groundwater -- 11.2.4 E-Waste -- 11.3 Methodology -- 11.4 Conclusion -- References -- 12 An Improve Approach in Core Point Detection for Secure Fingerprint Authentication System -- 12.1 Introduction -- 12.2 Related Work -- 12.3 Proposed Research Work -- 12.4 Implementation and Result Discussion -- 12.5 Conclusion and Future Work -- References -- 13 Investigating i-Vector Framework for Speaker Verification in Wild Conditions -- 13.1 Introduction -- 13.2 Background -- 13.2.1 i-Vectors -- 13.2.2 Cosine Similarity Score -- 13.3 Proposed Methodology -- 13.4 Experimental Setup -- 13.4.1 Database Formation -- 13.4.2 Implementation.
13.5 Results and Discussion -- 13.6 Conclusions -- References -- 14 Application of Deep Learning for COVID Twitter Sentimental Analysis Towards Mental Depression -- 14.1 Introduction -- 14.2 Literature Review -- 14.2.1 Sentimental Analysis Using Machine Learning -- 14.2.2 Deep Learning for Sentimental Analysis -- 14.3 COVID Tweet Sentimental Analysis Using Deep Learning -- 14.4 Implementation Results and Analysis -- 14.4.1 Comparative Analysis of Deep Learning Models -- 14.4.2 Post Lockdown Tweet Analysis -- 14.5 Conclusion and Future Work -- References -- 15 A Blockchain Solution for Secure Health Record Access with Enhanced Encryption Levels and Improvised Consensus Verification -- 15.1 Introduction -- 15.1.1 Contributions -- 15.2 Literature Review -- 15.3 Security and Privacy Challenges in Healthcare Systems -- 15.4 Overview of Encryption and Consensus in Blockchain -- 15.4.1 Consensus -- 15.4.2 Encryption and Hashing -- 15.5 Proposed Solution: Blockchain-Based Patient Health Record (BB-PHR) System -- 15.5.1 System Design -- 15.5.2 Mapping Among Entities -- 15.6 Improvised Encryption and Consensus Mechanism -- 15.6.1 Enhanced Encryption Level -- 15.6.2 Improvised Consensus Verification -- 15.6.3 Algorithm -- 15.7 Conclusion -- References -- 16 Addressing Item Cold Start Problem in Collaborative Filtering-Based Recommender Systems Using Auxiliary Information -- 16.1 Introduction -- 16.2 Literature Review -- 16.3 Proposed Approach -- 16.4 Experimental Analysis -- 16.4.1 Dataset and Evaluation Metrics -- 16.4.2 Experimental Setup and Result Analysis -- 16.5 Conclusion and

Future Work -- References -- 17 Research on the College English Blended Teaching Model Design and Implementation Based on the "Internet + Education" -- 17.1 Introduction -- 17.2 Literature Review -- 17.2.1 "Internet + Education" -- 17.2.2 Blended Teaching. 17.3 Blended Teaching Model Design -- 17.3.1 Needs Analysis -- 17.3.2 Learning Objectives -- 17.3.3 Online Resources -- 17.3.4 Learning Guide -- 17.4 Blended Teaching Model Implementation -- 17.4.1 The Unit Case -- 17.4.2 Integration of Teaching Methods -- 17.4.3 Multidimensional Interaction -- 17.5 Conclusion -- References -- 18 Qualitative Analysis of SQL and NoSQL Database with an Emphasis on Performance -- 18.1 Introduction -- 18.2 Literature Review -- 18.3 NoSQL Database -- 18.3.1 Key-Value Store -- 18.3.2 Graph Store Database -- 18.3.3 Wide Column Store Databases -- 18.3.4 Document Store Database -- 18.4 Feature Comparison of Relational Database and NoSQL Database -- 18.4.1 Flexibility -- 18.4.2 Scalability -- 18.4.3 Availability -- 18.4.4 Performance -- 18.5 Qualitative Comparison of SQL and Different NoSQL Databases -- 18.6 Conclusion and Future Scope -- References -- 19 A Rule-Based Sentiment Analysis of WhatsApp Reviews in Telugu Language -- 19.1 Introduction -- 19.1.1 Background -- 19.1.2 Problem Statement -- 19.1.3 Aims and Objectives -- 19.2 Related Work -- 19.3 Data and Methods -- 19.3.1 Data Extraction -- 19.3.2 Data Pre-processing -- 19.4 Sentiment Analysis -- 19.4.1 Rule-Based Methodologies -- 19.4.2 Using the Polarities to Train the Data -- 19.5 Results and Discussion -- 19.5.1 Evaluation Metrics -- 19.5.2 Results -- 19.6 Conclusion and Future Work -- 19.6.1 Conclusion -- 19.6.2 Future Work -- References -- 20 Face Model Generation Using Deep Learning -- 20.1 Introduction -- 20.2 Related Work -- 20.3 Proposed System Design -- 20.3.1 Generator -- 20.3.2 Discriminator -- 20.4 Implementation -- 20.4.1 Data Loader -- 20.4.2 Discriminator Network -- 20.4.3 Generator Network -- 20.4.4 Training -- 20.5 Results and Discussion -- 20.5.1 Training Losses -- 20.5.2 Generated Images -- 20.6 Conclusion and Future Scope -- References.
21 Pipeline for Pre-processing of Audio Data -- 21.1 Introduction -- 21.2 Literature Survey -- 21.3 Proposed Work -- 21.3.1 Load Audio Files -- 21.3.2 Padding the Audio Files -- 21.3.3 Extract Spectrogram -- 21.3.4 Normalization -- 21.3.5 Saving the Results -- 21.3.6 Pre-processing Pipeline -- 21.4 Results -- 21.5 Conclusions -- References -- 22 Classification on Alzheimer's Disease MRI Images with VGG-16 and VGG-19 -- 22.1 Introduction -- 22.1.1 Alzheimer's Disease Neuroimaging Initiative (ADNI) -- 22.2 Materials and Methods -- 22.2.1 Data Acquisition -- 22.2.2 Data set Preparation -- 22.2.3 Data Augmentation -- 22.2.4 VGG Concept -- 22.2.5 VGG-16 -- 22.2.6 VGG-19 -- 22.3 Results -- 22.4 Conclusion -- References -- 23 Combining Variable Neighborhood Search and Constraint Programming for Solving the Dial-A-Ride Problem -- 23.1 Introduction -- 23.2 Methodology -- 23.2.1 Variable Neighborhood Search -- 23.2.2 Constraint Satisfaction Problems and Constraint Programming -- 23.3 Results -- 23.4 Discussion and Conclusion -- References -- 24 Decentralization of Traditional Systems Using Blockchain -- 24.1 Introduction -- 24.2 Blockchain Security -- 24.2.1 Security Attacks -- 24.3 Applications of Blockchain -- 24.4 Conclusion and Future Trends -- References -- 25 Design of a Secure and Smart Healthcare IoT with Blockchain: A Review -- 25.1 Introduction -- 25.1.1 Motivation -- 25.1.2 Organization -- 25.2 Background -- 25.3 Literary Survey -- 25.4 Conclusion and Future Work -- References -- 26 Detecting Deceptive News in Social Media Using Supervised Machine Learning Techniques -- 26.1 Introduction -- 26.2 Literature Survey -- 26.3