

1. Record Nr.	UNINA9910746961603321
Autore	Shukla Praveen Kumar
Titolo	Computer Vision and Robotics : Proceedings of CVR 2023 // edited by Praveen Kumar Shukla, Himanshu Mittal, Andries Engelbrecht
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789819945771 9819945771
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (567 pages)
Collana	Algorithms for Intelligent Systems, , 2524-7573
Altri autori (Persone)	MittalHimanshu EngelbrechtAndries
Disciplina	629.8
Soggetti	Automatic control Robotics Automation Image processing - Digital techniques Computer vision Human-machine systems Cooperating objects (Computer systems) Control, Robotics, Automation Computer Imaging, Vision, Pattern Recognition and Graphics Human-Machine Interfaces Cyber-Physical Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Rebalancing Algorithm for Bike Sharing System Networks with Uncertain Inventories and Stations with Finite Capacity -- Sensor-Based Personal Activity Recognition Using Mixed 5 -Layer -CNN-LSTM and Hyperparameter Tunning -- Distance and Similarity measures of Hesitant Bi-fuzzy set and its applications in pattern recognition problem -- Impact of Machine Learning in Education -- Lung Disease Classification Using CNN -- Machine learning approach for Traffic sign detection and indication using open CV with Python -- Determining the Fruit Ripening stage using Convolution Neural Networks -- A comprehensive review and discussion on Corn Leaf disease detection

using Artificial Intelligence -- A Case Study of Selecting Suitable Agribots in Agri-Farming -- A Survey on Novel Hybrid Metaheuristic Algorithms for Image Segmentation -- A ranking method for the linguistic q-rung orthopair fuzzy set based on possibility degree measure -- Impact of DFIM Controller Parameters on SSR Characteristics of Wind Energy Conversion System with Series Capacitor Compensation -- Structured Image Detection Using Deep Learning (SIDUD) -- Enhanced Heart Disease Prediction using Hybrid Random Forest with Linear Model -- Rice Crop Disease Detection Using Machine Learning Algorithms -- Machine Learning Algorithms for Polycystic Ovary Syndrome/Polycystic Ovarian Syndrome Detection: A Comparison -- Synthesizing Music By Artist's Style Transfer using VQ-VAE and Diffusion Model -- Segmentation and Classification for Plant Leaf Identification Using Deep Learning Model -- Analyzing Machine Learning Algorithm for Breast Cancer Diagnosis -- IoT Application on Home Automation with Smart Meter -- Personal Area Network (PAN) Smart Guide for the Blind (PSGB) -- Brain MRI Classification: A Systematic Review -- A Step Towards Smart Farming: Unified Role of AI and IoT. .

---

### Sommario/riassunto

This book consists of a collection of the high-quality research articles in the field of computer vision and robotics which are presented in the International Conference on Computer Vision and Robotics (CVR 2023), organized by BBD University Lucknow, India, during 24–25 February 2023. The book discusses applications of computer vision and robotics in the fields like medical science, defence, and smart city planning. The book presents recent works from researchers, academicians, industry, and policy makers.

---