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Disciplina	006.3
Soggetti	Computational intelligence Optical data processing Data mining Computational Intelligence Computer Imaging, Vision, Pattern Recognition and Graphics Data Mining and Knowledge Discovery
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Nota di contenuto	Inference Based Statistical Analysis for Suspicious Activity Detection Using Facial Analysis -- A Conceptual Approach for Framework to Design Radar System Using Arduino with Initial Experiments -- Stratification of Indian Dance Forms through Audio Signal -- Forecasting House Price with an Optimum Set of Features -- Deep Learning based Automated Feature Engineering for Rice Leaf Disease Prediction -- Feature Extraction and Disease Prediction from Paddy Crops Using Data Mining Techniques -- A Proposed Gene Selection Approach for Disease Detection -- Modern Trends in Monitoring and Analysis of Chemical Pesticides by Using Artificial Neural Networks -- Raw Data Redundancy Elimination on Cloud Database -- Secured Cloud System Using Deep Learning -- Golf-worm Swarm Optimized 2DOF-PIDN controller for Frequency Regulation of Hybrid Power System.
Sommario/riassunto	This book features high-quality research papers presented at the 2nd International Conference on Computational Intelligence in Pattern Recognition (CIPR 2020), held at the Institute of Engineering and Management, Kolkata, West Bengal, India, on 4–5 January 2020. It

includes practical development experiences in various areas of data analysis and pattern recognition, focusing on soft computing technologies, clustering and classification algorithms, rough set and fuzzy set theory, evolutionary computations, neural science and neural network systems, image processing, combinatorial pattern matching, social network analysis, audio and video data analysis, data mining in dynamic environments, bioinformatics, hybrid computing, big data analytics and deep learning. It also provides innovative solutions to the challenges in these areas and discusses recent developments. .