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	Soggetti	Computer science
		Control engineering
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		Image processing - Digital techniques
		Computer vision
		Signal processing
		Cooperating objects (Computer systems)
		Internet of things
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	Nota di contenuto	Automating Medical Report Summarization: A Generative AI Approach for Enhanced Decision Support and Workflow Efficiency in Healthcare -- Generating machine-style handwriting: A Diffusion based latent generation with VAE decoding -- A Comparative Study of Image Synthesis Models: Stack GANs and Diffusion Based text to image Generation -- Optimized Humidity Prediction: A Random Forest and Aquila Optimizer Approach -- Diabetic Retinopathy Classification using

Transformer Models: An Comprehensive Survey -- VisionAid: A Real-Time System for Object Detection, Text Reading, and Voice Alerts for Visually Impaired Individuals -- Computation of fetal heart rate variability from abdominal ECG using adaptive filtering and independent component analysis.

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 at the International Conference on Computer Vision and Robotics (CVR 2025), organized by National Institute of Technology, Goa, India, during 25–26 April 2025. 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.