DEVELOPMENT OF IRIS IDENTIFICATION SOFTWARE SYSTEM FOR HOSPITALS' EMERGENCY UNIT

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ABSTRACT

The "development of iris identification software system for hospitals' emergency unit" project addresses the imperative for efficiency in healthcare, particularly in patient registration during emergencies. Traditional methods are time-consuming, potentially compromising patient care. This project proposes leveraging iris recognition technology for swift and accurate identification. Iris patterns are unique and immutable, ensuring reliability. Through specialized cameras, iris images are captured, mapped, and stored for seamless matching and verification. This research aims to assist emergency unit patients by accelerating the identification process, thus optimizing emergency response in healthcare setting.

Keywords : Iris Recognition, PCA, DWT, Gabor filter, Hough Transformation, Daugman's Rubber Sheet Model