Overview of Fingerprint Recognition System

Arjun Patil[1] and Nitin Patil[2]

Assistant Professor and Head Department of IT[1]

Student P.G. Department of IT[2]

Veer Wajekar ASC College, Phunde, Uran

Abstract: *This paper presents an overview of fingerprint recognition systems by analyzing current and past research studies. It highlights the structural stages and conceptual framework of such systems. The fingerprint recognition system comprises four major stages: image acquisition, preprocessing, feature extraction, and matching. Additionally, this paper summarizes several fingerprint databases and their characteristics. The objective is to provide a foundational understanding of fingerprint recognition technologies, including relevant algorithms and evaluation benchmarks.*

Keywords: Fingerprint, Pre-processing, Feature Extraction, Matching, Databases