

Electronic Voting System Using Fingerprint Matching with Gabor Filter

This paper deals with the design and development of an Electronic Voting System (EVS) Using Fingerprint Recognition. The proposed EVS allows the voter to scan their fingerprint, which is then matched with an already saved image within a database, using Matlab with the help of Gabor filter method. Gabor filter method shows improved result as compared to other fingerprint matching techniques such as Correlation Based Matching and Minutiae Based Matching. Upon completion of voter identification, voters are allowed to cast their vote using LCD and keypad interface. Casted vote will be updated immediately, making the system fast, efficient and fraud-free.