

A FACE RECOGNITION AND FACE EXPRESSION BASED ULTRA SECURITY SYSTEM

Swarnalatha P¹, Srimathi M S² and Swetha S³

^{1,2,3} Department of Computer Science and Engineering,
Sri Krishna College of Engineering and Technology, Coimbatore

Within the realm of digital security, the "Face expression and face recognition based ultra security system" integrates facial recognition and facial expression technologies to provide a strong authentication system. In the process of enrolling a user, the system records and safely saves facial expressions, particularly distinct patterns of eye gaze and facial characteristics. Facial recognition is used for additional identity verification when access is requested, and real-time eyeball staring patterns are compared to recorded data. The combination of these two authentication techniques lowers the possibility of unwanted access and improves security by necessitating a multi-factor authentication procedure.