

ABSTRACT

A smart attendance monitoring system using face recognition is an innovative solution for tracking attendance in schools, colleges, and offices. The system uses biometric technology to authenticate the identity of individuals and record their attendance. The proposed system consists of a face recognition module that captures the biometric features of individuals and matches them with the stored data. The system also includes a microcontroller unit that processes the data and sends it to the database for storage. The smart attendance monitoring system eliminates the need for manual attendance registers and reduces the chances of proxy attendance. It provides real-time monitoring of attendance and generates reports on a regular basis. The system also sends notifications to students, teachers, and parents in case of absenteeism. Overall, a smart attendance monitoring system using fingerprint and face recognition is a reliable, efficient, and accurate way to track attendance. It saves time, reduces administrative work, and ensures transparency in attendance management. Recently, the number of applications of RFID technology has increased. Today RFID is applied to agriculture, retail industry, manufacturing industry, keeping track of vehicle etc. RFID works wirelessly. It automatically identifies using wireless technology. The details are found and updated on the LCD display if the RFID tag is scanned by the RFID reader.