



LATERAL SURVEY

Overview of Attendance Systems:

Attendance systems have evolved significantly over the years, from traditional manual methods to modern automated solutions. This section provides a comprehensive review of various attendance systems, highlighting their evolution, features, and limitations.

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1

Traditional Manual Systems:



2

Manual attendance systems typically involve calling out names or using sign-in sheets. While simple, these methods are time-consuming, prone to human error, and lack real-time data access. They also require substantial administrative effort to compile and analyze attendance records.

Electronic Attendance Systems:



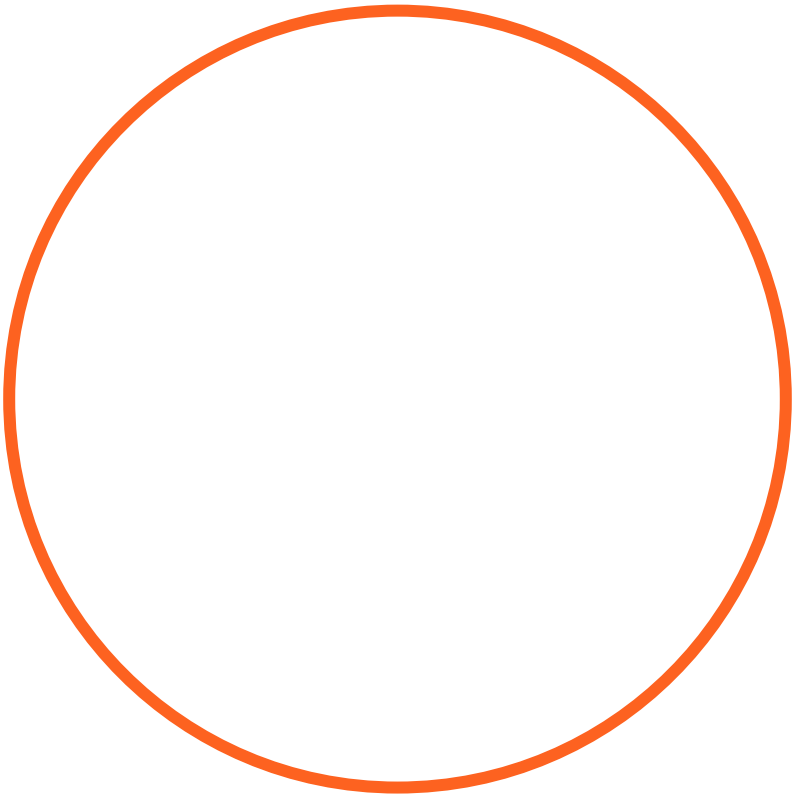
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Electronic systems, such as RFID and biometric systems, introduced automation into attendance tracking. RFID systems use radio-frequency identification tags, while biometric systems use physical characteristics like fingerprints or facial recognition. These systems offer improved accuracy and efficiency but come with higher costs and privacy concerns



OBJECTIVE

The main objectives of this project are:



- To develop a QR code-based system for marking and recording attendance.
- To ensure the system is user-friendly, secure, and scalable.
- To provide real-time access to attendance records for both students and faculty.
- To reduce administrative workload and minimize errors in attendance tracking.