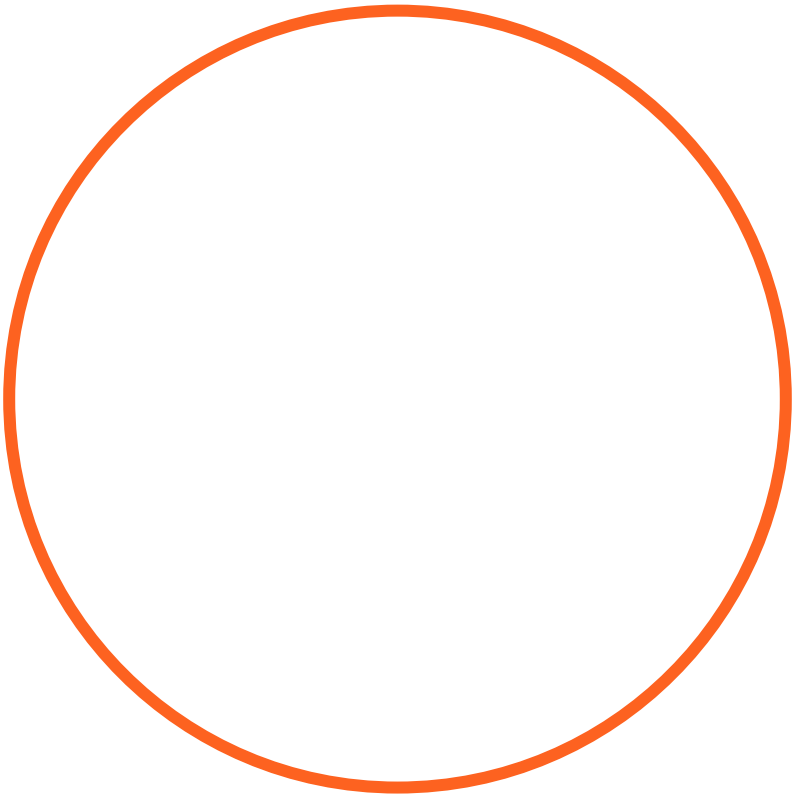






**OBJECTIVE**

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.

**IMPLEMENTATION**





- Client-Side Application: Web interface for students to scan QR codes.
- Server-Side Application: Backend server for QR code , user authentication, and attendance management.
- Database: Stores user information in form of csv file and attendance records.

## **Development Tools:**

- Languages: Python (backend), JavaScript, CSS, html(front end)
- Frameworks: Django/Flask (backend)
- Database: MySQL/PostgreSQL
- Security: IPv4, HTTPS