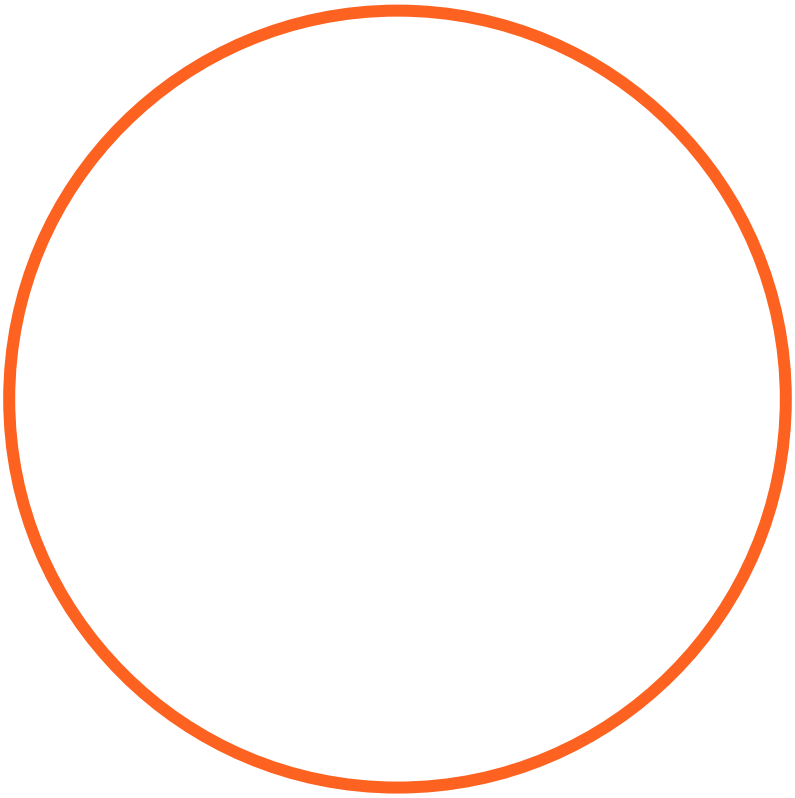


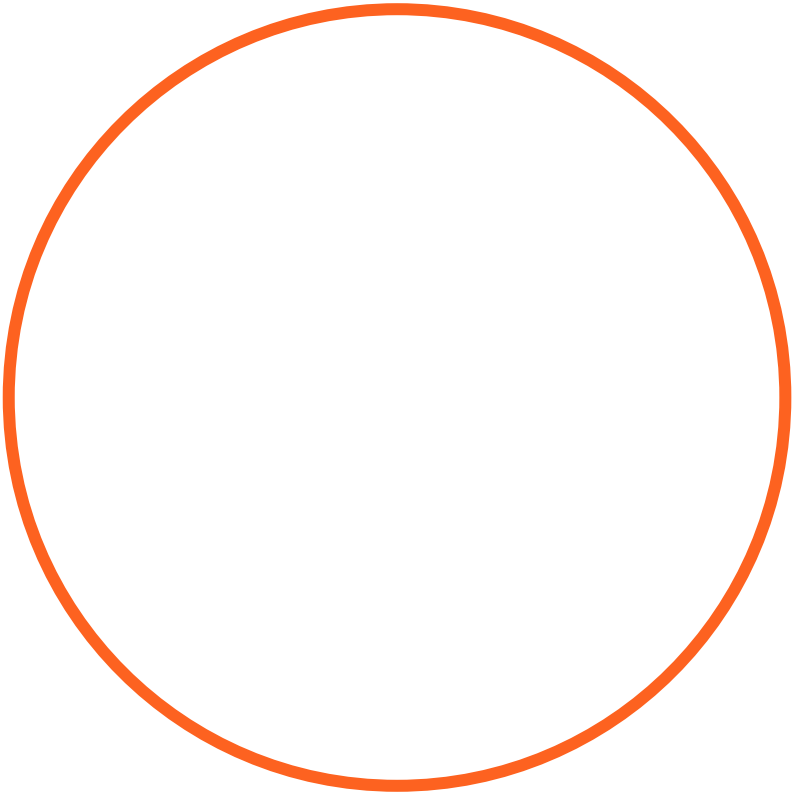


MOTIVATION



1. Efficiency: Automates attendance tracking to save time and reduce errors compared to manual methods.
2. Real-time Accessibility: Provides instant access to attendance data across devices and locations.
3. Accuracy and Accountability: Ensures precise attendance records and promotes adherence to attendance policies.
4. User Experience: Enhances convenience for users with seamless check-in and timely submission prompts.
5. Scalability: Scales to fit various organizational sizes and integrates flexibly with existing systems.
6. Data Insights: Enables analysis of attendance patterns for informed decision-making.
7. Technological Integration: Promotes digital literacy and prepares users for modern workplace environments.
8. Health and Safety: Supports touchless interaction, aligning with health and safety guidelines

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), CSS, html(front end)
- Frameworks: Django (backend)
- Database:SQLite 3.db
- Security: IPv4, HTTPS