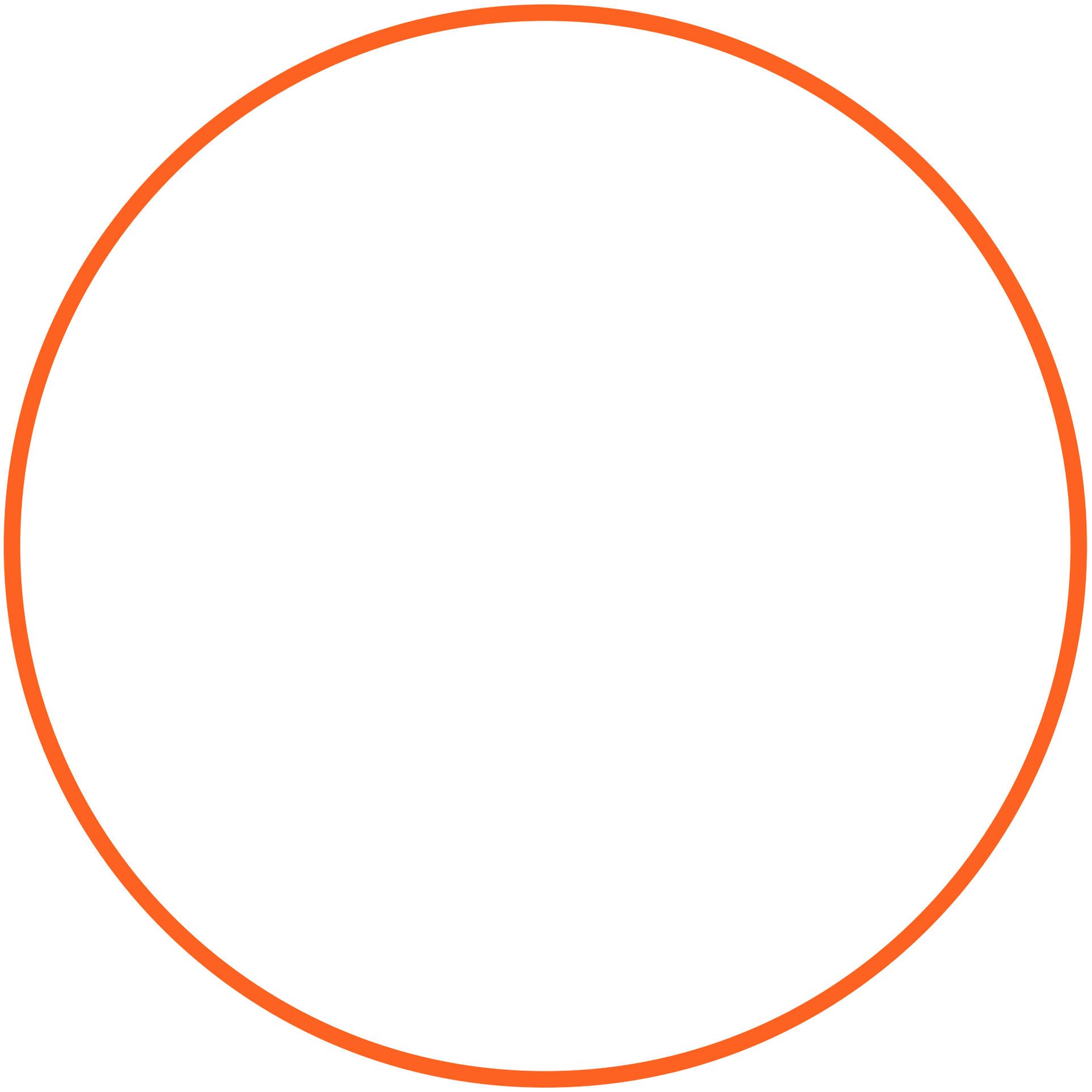
IMPLIMENTATION



- 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

SYSTEM WORKFLOW

QR Code Scanning: Students scan QR code, redirected to attendance page.
Attendance Marking: Students select names and confirm attendance.
Data Storage and Access: Attendance records stored in database, accessible by faculty..

1

2

3