Google Forms Questionnaire: Mobile-Based Attendance Management System

(Geofencing & Facial Recognition)

Form Description:

We’re exploring a smart, mobile-based attendance system that uses **geo-fencing and facial**

**recognition** to improve accuracy, convenience, and security in educational institutions. Your

feedback—whether you're a student, instructor, or administrator—will help shape a system

that is effective, respectful of privacy, and tailored to your real needs.

**This survey takes only a few minutes** and your insights will directly contribute to creating a

more reliable and user-friendly attendance experience.

1. What is your role?

- Student

- Instructor/Teacher

- Academic Administrator

- Other: [Short Answer]

2. What type of institution are you affiliated with?

- University

- College

- School

- Training Center

- Other: [Short Answer]

Section 2: Current Attendance Practices

3. Which attendance method is currently used in your institution? (Select all that apply)

- Manual sign-in sheets

- RFID cards

- Biometric systems

- Mobile apps

- Other: [Short Answer]

4. How satisfied are you with the current system?

- Very Dissatisfied

- Dissatisfied

- Neutral

- Satisfied

- Very Satisfied

Section 3: Challenges with Current Systems

5. What are the main issues with your current attendance system? (Select all that apply)

- Time-consuming process

- Risk of proxy attendance (e.g., impersonation)

- Delayed access to attendance records

- Lack of real-time updates

- Human errors in recording

- Other: [Short Answer]

Section 4: Desired Features

6. Rank the following features by importance for an ideal attendance system (1 = Least

Important, 5 = Most Important):

- Real-time attendance tracking

- Facial recognition for identity verification

- Geofencing to restrict check-in to classroom boundaries

- Instant access to attendance records for students/instructors

- Integration with course schedules (filtering by date/course)

7. What is the maximum acceptable time for a check-in process?

- ≤3 seconds

- ≤5 seconds

- ≤10 seconds

- Other: [Short Answer]

Section 5: Facial Recognition & Geofencing

8. How comfortable are you with using facial recognition for attendance?

- Very Uncomfortable

- Uncomfortable

- Neutral

- Comfortable

- Very Comfortable

9. How important is it to validate a student’s location (via GPS) before allowing check-in?

- Not Important

- Slightly Important- Neutral

- Important

- Very Important

10. Should the app allow instructors to override check-ins in case of technical errors?

- Yes

- No

- Not Sure

Section 6: Privacy & Security

11. How concerned are you about the storage of facial recognition data?

- Not Concerned

- Slightly Concerned

- Neutral

- Concerned

- Very Concerned

12. What security measures are most critical for this system? (Select all that apply)

- Encrypted biometric data storage

- Anonymous location tracking

- Two-factor authentication for instructors

- Regular data deletion policies

- Other: [Short Answer]

Section 7: Additional Feedback

13. Would you be willing to adopt a mobile-based attendance system with facial recognition and geofencing?

- Yes

- No

- Maybe

14. Any suggestions or concerns about the proposed system?

- [Long Answer]

15) Are you comfortable with the app notifying your parents about your attendance?

- Yes

- No

- Maybe

16) any reason?

- [Long Answer]

**Thank you for your participation!**