

Mobile-Based Attendance Management System (Geo-fencing & Facial Recognition)

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.

* Indicates required question

1. What is your role? *

Mark only one oval.

☐ Student

☐ Instructor/Teacher

☐ Academic Administrator

☐ Other: _____

2. What type of institution are you affiliated with? *

Mark only one oval.

- ☐ University
- ☐ College
- ☐ School
- ☐ Training Center
- ☐ Other: _____

3. where is your educational institution located? *

Mark only one oval.

- ☐ Buea
- ☐ Douala
- ☐ Yaounde
- ☐ Limbe
- ☐ Bamenda
- ☐ Other: _____

Current Attendance Practices And Challenges with Current Systems

4. Which attendance method is currently used in your institution? *

Mark only one oval.

- ☐ Manual sign-in sheets
- ☐ Teacher calls out names
- ☐ Biometric systems
- ☐ Mobile appsRFID cards
- ☐ Other: _____

5. How satisfied are you with the current system? *

Mark only one oval.

- ☐ Very Dissatisfied
- ☐ Dissatisfied
- ☐ Neutral
- ☐ Satisfied
- ☐ Very Satisfied

6. What are the main issues with your current attendance system? *

Tick all that apply.

- ☐ Time-consuming process
- ☐ impersonation
- ☐ Delayed access to attendance records
- ☐ Lack of real-time updates
- ☐ Human errors in recording
- ☐ Lack of automation
- ☐ All of the above
- ☐ Other: _____

7. What is your ideal method for taking attendance?

8. Which of the following features are important for an ideal attendance system *

Tick all that apply.

- ☐ 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)
- ☐ All

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

Mark only one oval.

- ☐ ≤3 seconds
- ☐ ≤5 seconds
- ☐ ≤10 seconds
- ☐ Other: _____

Facial Recognition & Geo-fencing

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

Mark only one oval.

- ☐ Very Uncomfortable
- ☐ Uncomfortable
- ☐ Neutral
- ☐ Comfortable
- ☐ Very Comfortable

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

Mark only one oval.

- ☐ Not Important
- ☐ Slightly Important
- ☐ Neutral
- ☐ Important
- ☐ Very Important

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

Mark only one oval.

- ☐ Yes
- ☐ No
- ☐ Not Sure

13. How will you like to be notified? *

Tick all that apply.

- ☐ Pop-Up notifications
- ☐ Email
- ☐ SMS
- ☐ In-app notifications
- ☐ Other: _____

14. What would you want to be notified about?

Privacy & Security

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

Mark only one oval.

- ☐ Not Concerned
- ☐ Slightly Concerned
- ☐ Neutral
- ☐ Concerned
- ☐ Very Concerned

16. What security measures are most critical for this system? *

Tick all that apply.

- ☐ Encrypted biometric data storage
- ☐ Anonymous location tracking
- ☐ Two-factor authentication for instructors
- ☐ Regular data deletion policies
- ☐ User consent for data usage
- ☐ All of the above
- ☐ Other: _____

17. How comfortable are u with the app notifying parents about attendance? *

Mark only one oval.

- ☐ Very Uncomfortable
- ☐ Uncomfortable
- ☐ Neutral
- ☐ Comfortable
- ☐ Very Comfortable

18. Any reasons?

19. Do you have any suggestions, comments, or concerns about the proposed system?

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