



Project Proposal

Smart School Entry System using NFC Student ID Cards

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Problem Statement

Teachers spend a lot of time marking attendance. How can we make school entry faster, safer, and more organized?

Solution

That's why we came up with this idea. The Smart School Entry System using NFC Student ID Cards solves these problems by allowing each student to use a personalized card to enter the school. When they tap their card on the NFC reader at the gate, their attendance is recorded automatically, and the parents can get instant notifications. This system saves time, improves school security, and helps teachers and parents monitor students more easily.

Requirements

- NFC Reader
- NFC Cards
- Computer or Server (To record attendance data)

Goals

- Saving time by automating attendance
- Improving school security
- Allowing parents and teachers to track attendance easily
- Reducing errors from manual attendance marking

Benefits

NFC ID cards can bring many benefits to both students and teachers. For students, these cards make daily school life easier and more organized. They can be used to mark attendance automatically, or borrow library books. For teachers, NFC cards help record attendance quickly and accurately, allowing them to focus more on teaching rather than paperwork.



Prototype

NFC School ID Cards



User Testing

Survey

Questions

- Do you think a Smart ID Tap Card system (where you tap your card to enter school) is a good idea?
- Would you personally like to use a tap card to enter school?
- Do you think it would make the school more modern and organized?
- Do you think it will help teachers save time taking attendance?
- Do you think some students might forget or lose their cards?
- Would you like the tap card to be used for other things (like the library, or class rooms)?
- Do you agree that our school should make this Smart ID Tap Card project real?

Responses

Conclusion

In conclusion, implementing a Smart School Entry System using NFC School ID Cards is not just about technology it's about creating a safer, faster, and smarter environment for students and staff. It's a step towards the future of education.