

DESCRIPTION:

A Smart Attendance System using Geo-Fencing is an automated solution for tracking employee or student attendance using the location of their mobile devices. It eliminates the need for traditional attendance methods such as punch cards, biometric devices, or manual sign-ins by utilizing GPS technology to create virtual boundaries (geo-fences) around specific areas like offices, schools, or job sites.

HOW IT WORKS:

Geo-Fence Setup: A geo-fence is a virtual perimeter that can be established around a physical location, such as a company's office or a school campus. This boundary is defined by GPS coordinates and a set radius.

Verification and Reporting : In some systems, additional verification such as facial recognition may be required to confirm attendance. The system also provides real-time reports to managers or administrators, allowing for easy monitoring and record-keeping.

Real-Time Reports: Administrators can view real-time attendance logs, generate reports, and monitor entry/exit times from a centralized dashboard.

GAMIFICATION:

The system is actually integrated with student's internal mark. A student with perfect attendance per semester will be awarded "6 coins" for it. The imperfect attendees will be given lesser than 6 and henceforth it directly affects their internal marks. Our system also consists of features such as "Internal Mark Calculator, Timetable, Leave Form".

OUR PROJECT :

