Introduction

The "Smart Student Attendance System with Location Tracking" revolutionizes traditional attendance management in educational institutions by seamlessly integrating technology with attendance tracking processes. This innovative web application harnesses the power of geolocation services to ensure precise attendance recording, marking students present only when they are physically within the designated lecture room. Developed using a robust stack of HTML, CSS, JavaScript, PHP, and MySQL, this system aims to reduce proxy attendance tracking while enhancing accuracy and efficiency. By providing real-time feedback to students and instructors, the system not only simplifies administrative tasks but also promotes accountability and engagement within the educational environment. Through this project, we aim to address the challenges of manual attendance processes, offering a reliable, secure, and user-friendly solution for modern educational institutions.

Project Description

we built a web app for marking student attendance. Students need to log in first, and then the location validation of student device IDs is done. If the student's location is within the lecture room, the attendance of that student will be submitted. Each student can mark attendance only once per hour, reducing the proxy issues of traditional attendance systems. Administrators can log in to the admin panel using their admin ID and password. After logging in, the admin can view the attendance of all students related to a particular subject.