

Project Report: Attendance Management System

Course: Computer Science (6th semester)

Academic Year: 2023-24

Introduction: The Attendance Management System is a software solution designed to automate the process of student attendance in schools, colleges, and institutes. Traditionally, attendance has been recorded manually, which is time-consuming and prone to errors. This system aims to replace the manual method by providing a more efficient, accurate, and automated approach to track student attendance. The system is developed as a web-based application, making it accessible from any computer with internet access.

Objective: The primary objective of this project is to develop an automated attendance management system that allows teachers to record, track, and evaluate the attendance of students in real time. This system also helps in evaluating whether a student meets the eligibility criteria for attendance, based on their attendance percentage. The system generates automatic reports at the end of each session or periodically, reducing the need for manual intervention.

Technology Used: The system is built using:

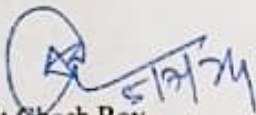
- PHP as the server-side programming language for logic processing.
- MySQL as the database to store attendance data.
- HTML, CSS, and JavaScript for the front-end design and user interaction.

The system is hosted on a web server, enabling remote access to attendance data. It allows teachers to add, modify, or view attendance records for any given class or student. Additionally, the system calculates the student's attendance percentage automatically, without manual intervention.

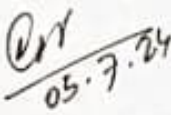
System Functionality:

1. **Teacher Interface:** Teachers can mark attendance, generate reports, and evaluate eligibility criteria.
2. **Student Interface:** Students can check their attendance records and view eligibility status.
3. **Automated Reports:** The system generates detailed attendance reports, which can be downloaded or printed.
4. **Attendance Calculation:** The system calculates the percentage of attendance and flags students who are at risk of not meeting the eligibility requirement.

The Attendance Management System significantly improves the efficiency of attendance tracking by automating the entire process. It saves time, reduces errors, and ensures accurate attendance records, helping educational institutions manage student attendance more effectively.


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