Case Study

Attendance Management System

Abstract

Traditional attendance methods in classrooms, such as calling roll numbers or passing around attendance sheets, have remained unchanged for years. These methods are time-consuming, error-prone, and often result in issues like proxy attendance. Additionally, the manual process generates physical records that are rarely used after the term and contribute to environmental waste when discarded.

Modern technological systems have improved the process but still lack transparency for students and institutions. As a result, students are often unaware of their attendance status until they face problems like being placed on defaulter lists, which can cause complications for educational institutions.

This project aims to address the shortcomings of both traditional and modern attendance systems. By implementing advanced technology, the system will provide greater visibility for both students and institutions, ensuring a smoother and more efficient attendance management process

The system comprises of 3 major modules and their sub modules as follows:

1. Admin Login:
   1. Register the Students.
   2. Delete the Students Record.
   3. Update the Students Record.
   4. Generate the defaulter’s List.
   5. View the defaulter’s List.
   6. View a specific Student’s Attendance.
2. Student Login:
   1. View its overall Attendance.
   2. View its Subject wise Attendance.
   3. Generate the defaulter’s List.
   4. Reset its Login Password.
   5. Raise a Complaint ticket.
3. Teaching Staff Login:
   1. Verify Student’s Attendance.
   2. View a specific Student's overall Attendance.
   3. View a specific Student's Subject wise Attendance.
   4. View the defaulter’s List.
4. Office Staff Login:
   1. Verify the Defaulters List.
   2. Publish the Defaulters List.
   3. Resolve the Complaint raised.