



KLE Society's
College of Bachelor of Computer Applications
R.L.S Institute, Belagavi.
(Autonomous)

Report On Mini Project

STUDENT ATTENDENCE PORTAL

For SEC: Full Stack Development

Project Guide -

Name : Prof. Uma. Jalibenchi.

Signature :

Team Members -

Name : Nanda Suragimath

Signature :

Name : Deepa Suragimath

Signature :

Title of the Project: Student attendance Portal

PROJECT REPORT: student attendance

Introduction -

The **Student Attendance Management System** is designed to automate the traditional process of tracking student attendance in schools, colleges, or universities. Manual attendance tracking is often time-consuming and prone to errors, leading to inefficiencies and inaccurate records. This system offers a modern solution to streamline the process, providing an efficient, accurate, and user-friendly approach for both teachers and administrators.

The system allows teachers to record attendance digitally, minimizing paperwork and ensuring data integrity. By using digital devices such as computers or mobile devices, teachers can quickly mark students present, absent, or late in real-time. The system stores all data securely in a centralized database, making it accessible to authorized users anytime for auditing and report generation.

The system enhances transparency by offering students and parents access to attendance records. Teachers and administrators can generate detailed attendance reports over any time frame, analyze patterns, and take necessary actions in cases of chronic absenteeism. Moreover, it can support multiple classes, departments, and schools with customizable features such as period-based attendance, leave management, and alerts for both teachers and students.

This system not only reduces the chances of human error but also makes attendance management more streamlined and efficient, helping educational institutions focus more on academic activities rather than administrative tasks.

MODULES IN THE PROJECT -

1 . Login and User Authentication:

Users, means teachers and administrators, will have secure login access to the system.

2. Attendance Marking:

- Teachers can mark attendance easily through this module, choosing between present, absent

3 . Student and Parent Portal:

- Students can enter their name, rollno, city, number and they can view their attendance

HARDWARE AND SOFTWARE REQUIREMENTS -

HARDWARE REQUIREMENTS:

- Processor: Intel i3 or above
- RAM: 4GB (minimum), 8GB (recommended)
- Storage: 500GB HDD or SSD
- Internet Connection: Required for accessing and deploying the application

SOFTWARE REQUIREMENTS:

- FRONT-END TECHNOLOGIES:

- HTML: For structuring the web content
- CSS: For styling the web pages
- JavaScript: For interactive elements and client-side scripting
- Frameworks/Libraries: (Optional) jQuery or Bootstrap for enhanced functionality and design

- BACK-END TECHNOLOGIES:

- MySQL: Database management system for storing user data, and for checking attendance

- DEVELOPMENT TOOLS:

- Text Editor/IDE: Visual Studio Code or Sublime Text
- Version Control: Git/GitHub for code management and collaboration
- Local Server: XAMPP or WAMP for local development and testing