

Attendance Dashboard Requirement

Project Title: Enhancement of {State nursing council} Biometric Attendance Dashboard

Background:

Attendance is vital in nursing and paramedical education to ensure students gain the knowledge and clinical exposure needed for safe patient care. A biometric attendance system offers a transparent, tamper-proof way to track both student and faculty presence, reducing manipulation and enabling real-time monitoring. The {State Nursing Council} seeks to implement a biometric attendance system across all nursing and paramedical institutes to ensure accountability and compliance with mandated attendance norms.

Objectives:

- Develop a centralized biometric attendance system for all nursing and paramedical institutes under the {State Nursing Council}.
- Enhance backend logic to automate attendance tracking and reporting.
- Develop frontend interface for better data visualization and user experience.

Scope of Work:

● Backend Development:

1. Database integration to mark student attendance based on punch data.
2. Implement cumulative attendance tracking for each student.
3. Track institute-wise and district-wise percentages of students falling above and below the minimum attendance mark as mandated by {mention state nursing council}.

● Frontend Development:

1. Display the best and worst performing institutes based on their student attendance record.

2. Enable drill-down functionality for district, institute, and student attendance.
3. Enhance design elements for improved aesthetics using modern UI/UX principles.

Deliverables:

1. Backend logic for automated attendance tracking of all students across institutes.
2. Frontend dashboard with enhanced visualization features and effective attendance monitoring at {mention state nursing council}.
3. Documentation for API integration and system maintenance.

Thank you for your interest in working with {mention state nursing council}.

Annexure

- There are two types of users of the portal: Admin and Institute.

1. Requirements for the Admin user:

- Master form to add the Holiday List for an academic year
- A form where they can declare the start and end date of an academic year
- Dashboard to view drill down report of cumulative attendance percentages of the students on the basis of their district and institute
- Dashboard to display the percentage of students at district and institute level who are falling below the minimum attendance mark
- Dashboard to view the top and bottom institutes on the basis of percentage of their students falling below the attendance mark

2. Requirements for the Institute user:

- Dashboard to view cumulative attendance percentages of their students
- Dashboard to filter their students who are falling below the attendance mark
- Dashboard to view top and bottom performing students on the basis of their attendance percentages