**Sathmaga Institute Attendance Management System**

**Functional Requirements by User Role**

**1. Administrator**

**User Management**

* Admin can add new users (Teachers, Attendance Markers).
* Admin can update user details (name, esmail, role).
* Admin can delete users when necessary.
* Admin can reset passwords for users.

**Grade & Subject Management**

* Admin can create, update, and delete Grades (1-13).
* Admin can create, update, and delete Subjects.
* Admin can assign subjects to specific grades.
* Admin can assign teachers to subjects.

**Attendance Reports & Analytics**

* Admin can generate attendance reports (Daily, Weekly, Monthly).
* Admin can view attendance data by class, subject, and student.
* Admin can export reports in PDF and Excel format.
* Admin can monitor frequently absent students.

**System Management**

* Admin can update the institute’s name, logo, and session timings.
* Admin can view system activity logs for security monitoring.
* Admin can configure notifications for absences and payment reminders.

**2. Attendance Marker**

**Student Attendance Management**

* Attendance Marker can select a Grade and Subject.
* Attendance Marker can mark student attendance as **Present, Absent, or Late**.
* Attendance Marker can add reasons for student absences (if required).
* Attendance Marker can edit attendance records for the current day.
* Attendance Marker can mark the payment status of class fees for each student.

**Attendance Reports**

* Attendance Marker can view attendance history of students.
* Attendance Marker can generate date-wise and subject-wise attendance reports.

**Notifications**

* Attendance Marker can send automated absence notifications to parents via email or SMS.

**3. Teacher**

**View Assigned Subjects & Grades**

* Teacher can see the list of assigned grades and subjects.

**Monitor Student Attendance**

* Teacher can view attendance records of students.
* Teacher can identify frequently absent students.
* Teacher can provide feedback on student participation.
* Teacher can view student class fee payment status.

**Student Performance Reports**

* Teacher can compare student attendance trends with academic performance.
* Teacher can identify students needing additional support or intervention.

**Request Attendance Modifications**

* Teacher can submit a request to the Admin for attendance corrections.