

Module Name: Exam & Marks Management

1. Problem Statement

Manually scheduling exams, entering marks, and generating report cards is error-prone and time-consuming. Teachers and admins spend significant effort tracking exam schedules, calculating grades, and sharing results with students and parents.

2. Module Description

This module allows administrators and teachers to create exam schedules, enter student marks, calculate totals and grades, and generate report cards. It maintains an audit trail of all edits and provides a centralized view of exam performance for students, teachers, and parents.

3. Users

Admin

Principal (view only)

Teachers

Students/Parents (view only)

4. Features

Create and manage exam schedules per class/subject

Define maximum marks and weightages for exams

Enter and modify student marks (individual or bulk)

Calculate totals, grades, and generate report cards

View historical performance and exam summaries

Maintain an audit log of all marks entered or modified

Export results and reports

5. Inputs / Outputs

Inputs:

Exam schedules (dates, classes, subjects)

Student marks per subject/exam

Grading criteria

Outputs:

Student report cards

Class-wise and subject-wise performance reports

Audit logs of marks and changes

Printable/exportable exam summaries

6. User Time & Workload

Teachers: High usage during exam periods → core functionality

Admin: Moderate usage for scheduling and reports

Students/Parents: Frequent viewing of results

→ Overall: High-priority module due to its impact on academic performance tracking.
