

Project Documentation

Student Learning Material Management System

1. Project Overview

The Student Learning Material Management System is a web-based platform designed to create, manage, and distribute MCQs and question papers across various subjects and standards. The platform will feature **three user panels** (Admin, Staff, Student), each with role-specific capabilities.

3. System Modules & Functional Requirements

3.1 Admin Panel Capabilities:

- View all system data:
 - Student profiles
 - Staff profiles
 - MCQ data & categories (e.g., Gyansadhna, Maths, English)
 - PDF Upload functionality for additional material
 - Manage staff accounts (Create, Update, Delete)
 - Disable or delete student accounts (**Disabled accounts cannot log in**)
 - Delete standards (**All related data will be permanently removed**)
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3.2 Staff Panel Capabilities:

- Manage personal profile
- Delete or disable student accounts
- Create, update, delete, and view MCQ categories:
 - Example: Gyansadhna, General
- Create, update, delete, and view MCQ subjects:
 - Example: Maths, English
- Create, update, delete, and view MCQs linked to categories/subjects
- Manage standards (Create, update, delete, view)
 - Example: Standard 9, Standard 10
- Draft and print question papers (maximum 100 marks)
- Also, PDF Upload functionality for additional material in all standards
- Maintain paper history (with delete and download options)

3.3 Student Panel

Capabilities:

- Create and edit profile (Username, Full Name, City, School Name, Contact Number, Gender)
 - **Note: Standard cannot be changed once the account is created**
 - Give live exams (exam history saved; no time limit restriction)
 - Draft and view papers (maximum 120 marks per PDF)
 - Option to select MCQs (e.g., Gyansadhna Maths – 40 MCQs)
 - Option to include or exclude answers (Answers in bold if included)
 - View all MCQs for their standard
 - View all PDFs for their standard
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4. Data Management Rules

- Deleting a category/subject removes all associated MCQs permanently.
 - Deleting a student account removes all their data permanently.
 - Deleting a standard removes all related data permanently.
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5. User Profile Data Structure

Student Profile:

- Username
- Password (encrypted)
- Full Name
- City
- School Name
- Standard
- Contact Number
- Gender

Staff Profile:

- Username
- Password (encrypted)
- Full Name
- City
- Contact Number
- Gender
- Additional Notes

Admin Profile:

- Username
- Password (encrypted)

6. Additional Features

- **Gujarati Language MCQ Entry**
 - Font should be either Nilkanth (Gujarati) or HareKrishna (Gujarati).
- **Canvas support for mathematical expressions**