



# Student Management System

## Project Proposal

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## **Introduction**

For the second year group project the team Innoview proposes a software solution to build a student management system for an institution of higher education. The system will be built as per the requirements defined by the client Illthizam Imtiyaz. The project will be done using the following technologies.

## 1. Project Overview

After speculating the client's needs, we've developed a vision for the system that we feel will greatly improve the institution's overall branding.

The System may have the following main functionalities.

1. Student Attendance(admissions) record using a Bar Code scanner.
2. All the past admission data should be visible. If a Student didn't purchase an admission card for the particular month it should be recorded from the bar code scanning.
3. If a student didn't come to the class, an auto-generated message should be sent to their parents and also if a student came to the class late (after a pre-defined time by the admin) a message should be automatically send to their parents.
4. Staff management
  - I. Staff Scheduling
  - II. Staff attendance
  - III. Staff holidays
5. Lecture Halls management
  - I. Halls Scheduling
  - II. Booking halls
6. Teacher management
7. Teachers can add students' marks to the system.
8. Student marks should be automatically sent to the parents via email and text message.
9. Students can log in to the system and see their results
10. Students can ask questions from teachers and other students.
11. Teachers can give online questions, assessments and students should be able to log in and do them online.
12. Finance management

## 2. Obstacles

1. A simple and attractive user interface.
2. Training the staff

## 3. Technical Obstacles

Machines and all the hardware should be upgraded.

## 4. Hardware

Only the bar code scanners and the laptops will be integrated with system.

## 5. Software

Since it is a web application no specific software needed.

## 6. Milestones and reporting

Task	Reporting	Date
Feasibility Study	Presentation	
Testing	Presentation	
Final Product	Presentation	

## 7. Development

At the same time, we'll kick off the technical side of the web design process. This will include deploying the required CMS, creating a custom theme and page designs, and setting up the web app's analytics.

## 8. Testing

Once the designing and development is finished, we will start the quality assurance process by testing the system's performance and reliability. We'll use various tools to benchmark the system for loading, responsiveness, and speed, while also ensuring that it works reliably on all web browsers and mobile devices.