

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI**



A

MINI PROJECT REPORT

ON

STUDENT MANAGEMENT SYSTEM

Submitted to

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In partial fulfilment of the award of the Degree Bachelor of Engineering

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted By

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KALABURAGI
2023-2024**

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Certificate

This is to certify that **SUMEET HIBARE (3TS21CS033)** of Vth semester has delivered the mini project on "**STUDENT MANAGEMENT SYSTEM**" for partial fulfilment of Bachelor of Engineering in COMPUTER SCIENCE AND ENGINEERING prescribed by Visvesvaraya Technological University, Belagavi during the year **2023-2024**.

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SUMEET HIBARE (3TS21CS033)

ABSTRACT

Freshy Archive - Do Anything

Welcome to Freshy Archive, A System to manage all your Newly Undergraduates Personal Data locally.

Operations Overview

Frontend & Operations: Utilized HTML5, CSS3, and Tailwind CSS to craft an intuitive user interface, enabling seamless interaction with the application. facilitate UI rendering, user input management, and communication with the backend, ensuring a fluid user experience.

Backend & Operations : Leveraged PHP to implement the backend logic, coordinating the flow of requests from the frontend to the database. handles request processing, interacts with the MySQL database, and executes various operations to fulfil user requirements.

Database: Implemented MySQL to store and manage application data effectively. for a structured environment to perform CRUD operations. This allows an efficient storage, retrieval, and manipulation of information.

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CHAPTER 1

INTRODUCTION

The Student Management System is a web-based platform designed to simplify the process of registration of students. Developed with user convenience in mind, the system offers a seamless interface accessible from anywhere, allowing users to quickly manage data and information of student & class along with announcements with notices efficiently. This report provides an overview of the system's architecture, functionalities, and benefits.

CHAPTER 2

SYSTEM ARCHITECTURE

The system is built using a combination of frontend and backend technologies:

- Frontend : HTML, which stand for Hyper Text Make-up Languages, is the predominant markup language for web pages .
- It provides a means to create structured documents by donating structural semantics for text seek as headings, paragraphs, lists etc as well as for links, quotes, and other items.
- It allows images and objects to be embedded and can be used to create interactive forms is written in the form of HTML elements consisting of "tags" surrounded by angle brackets within the web page content.
- It can include or can load scripts in languages such as JavaScript which effects the behaviour of HTML processors like Web browsers and Cascading Style Sheets (CSS)to define the appearance and layout of text and other material. The W3C, maintainer of both HTML and CSS standards, encourages the use of CSS over explicit presentational mark-up.
- Backend : PHP (Hypertext pre-processor), is a widely used, general-purpose scripting languages that was originally designed for web development, to produce dynamic web pages. it can be embedded into HTML and generally runs on a web pages content from it, it can be deployed on most web servers and on almost every operating system and platform free of charge.
- PHP was originally created by Rasmus Lerdorf in 1995 and has been in continuous development ever since. The main implementation of PHP is now produced by The PHP Group and servers as the de facto standards for PHP as there is no formal specification. PHP is free software released under the PHP license, which is incompatible with the GNU General Public License (GPL) because of restrictions on the use of the term PHP.

MySQL : its an open source relational database management system (RDBMS) based on Structured Query Language (SQL). It is one part of the very popular LAMP platform consisting of Linux, Apache, My SQL, and PHP. Currently My SQL is owned by Oracle. My SQL database is available on most important OS platforms. It runs on BSD Unix, Linux, Windows, or Mac OS. Wikipedia and YouTube use My SQL. These sites manage millions of queries each day. My SQL comes in two versions: My SQL server system and My SQL embedded system.

CHAPTER 3

ER DIAGRAM

CHAPTER 4

FUNCTIONALITY OVERVIEW

- Student Management : Users can effortlessly browse through list of students under them, with insights of semester and their data.
- Announcements : a globally approach to send announcements and updates to everyone around.
- Notices : quickly send important updates to the particular class or student.
- Semester & Class : manage wide range or semesters or class that comes under that faculty for student management.
- Personalized Dashboard : Registered users benefit from a personalized dashboard, offering insights into booking history and facilitating modifications as needed.

CHAPTER 5

BENEFITS

An Implementation of the Student Management System offers several benefits:

Convenience : Faculty can conveniently browse and register students under them.

Efficiency : The system streamlines the registration process, saving faculty time and effort.

Experience : faculty gets an amazing experience while using the software, ensuring a modern, minimal & Clean Approach.

CHAPTER 6

OUTPUT SYSTEM

Beginning

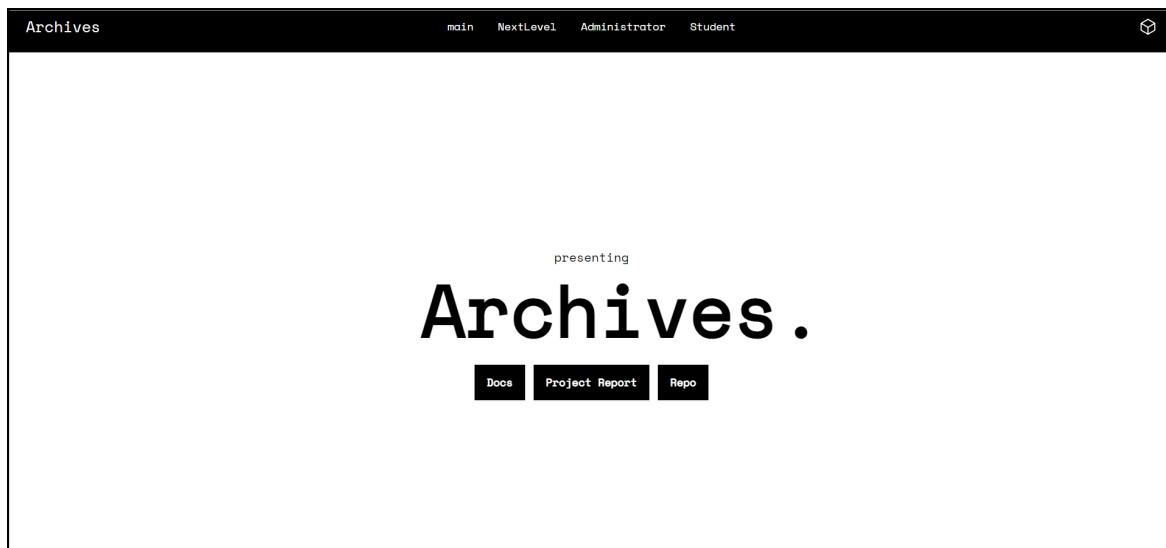


Figure : Landing Page

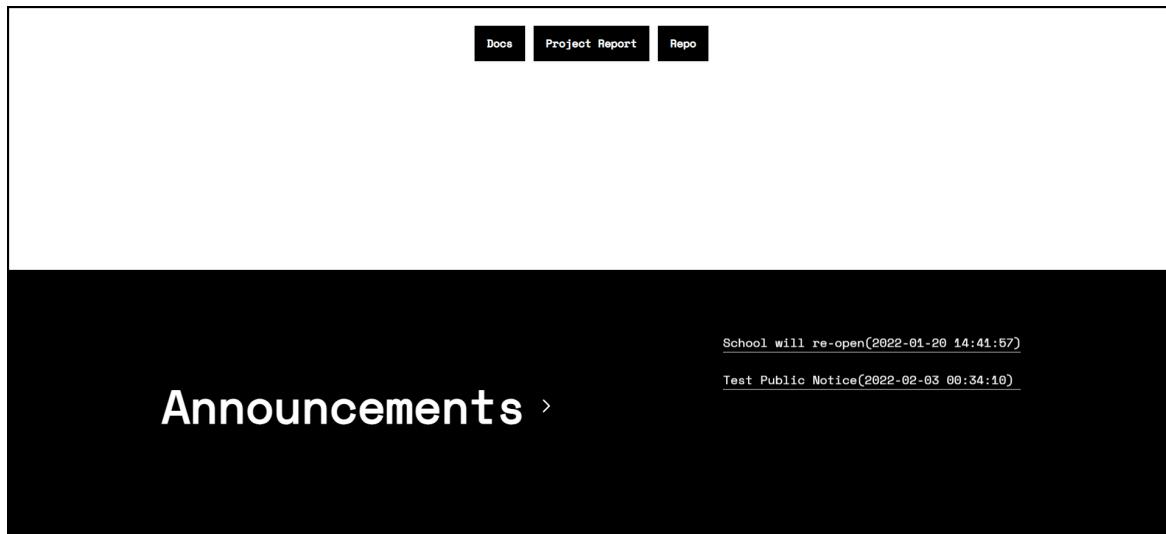


Figure : Announcement Section

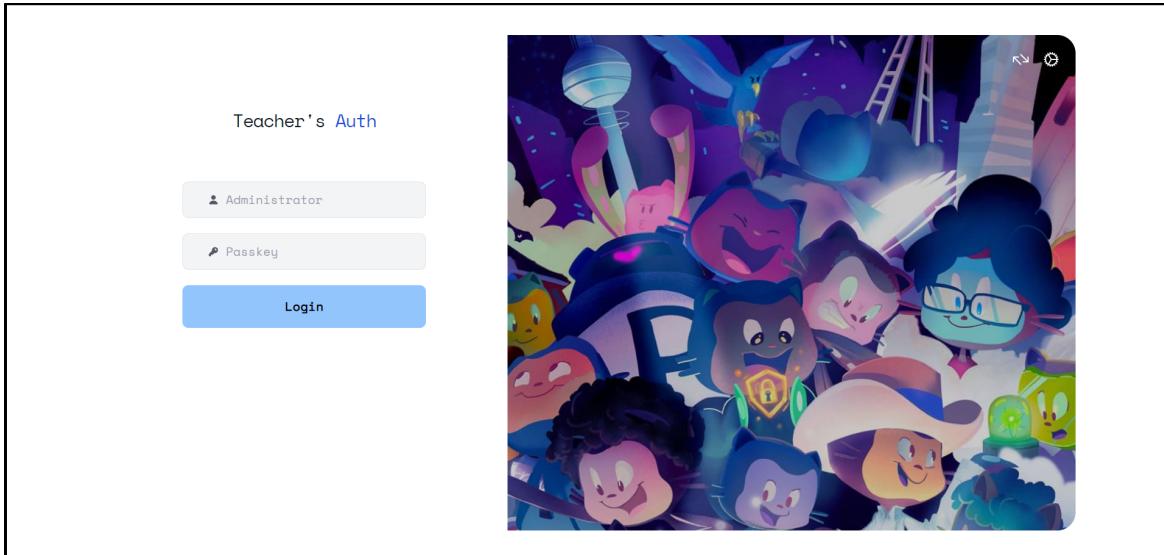
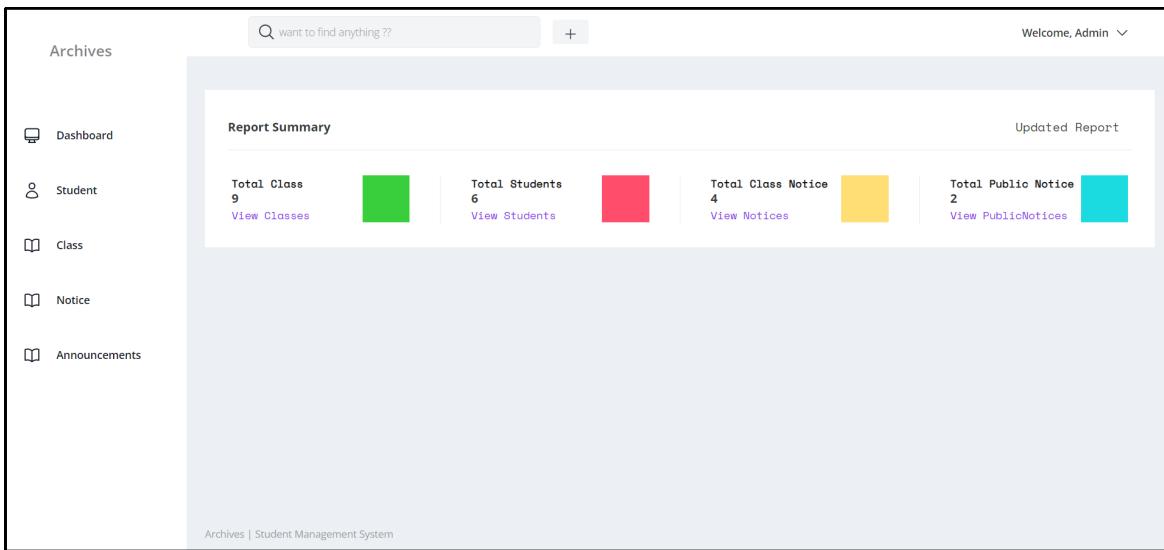


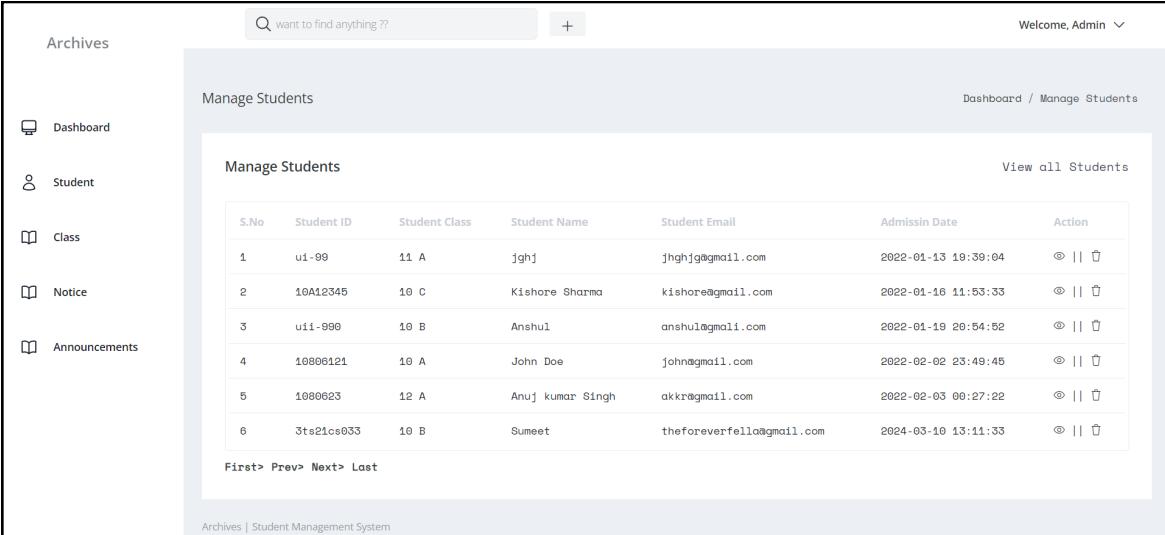
Figure : Faculty / Admin Login



The image displays the Admin Dashboard. On the left is a sidebar with links: "Archives", "Dashboard", "Student", "Class", "Notice", and "Announcements". The main area has a search bar and a "Report Summary" section. This summary includes four data points with corresponding colored squares: "Total Class 9" (green), "Total Students 6" (red), "Total Class Notice 4" (yellow), and "Total Public Notice 2" (cyan). Below the summary is a note "Updated Report". At the bottom of the dashboard is a footer with the text "Archives | Student Management System".

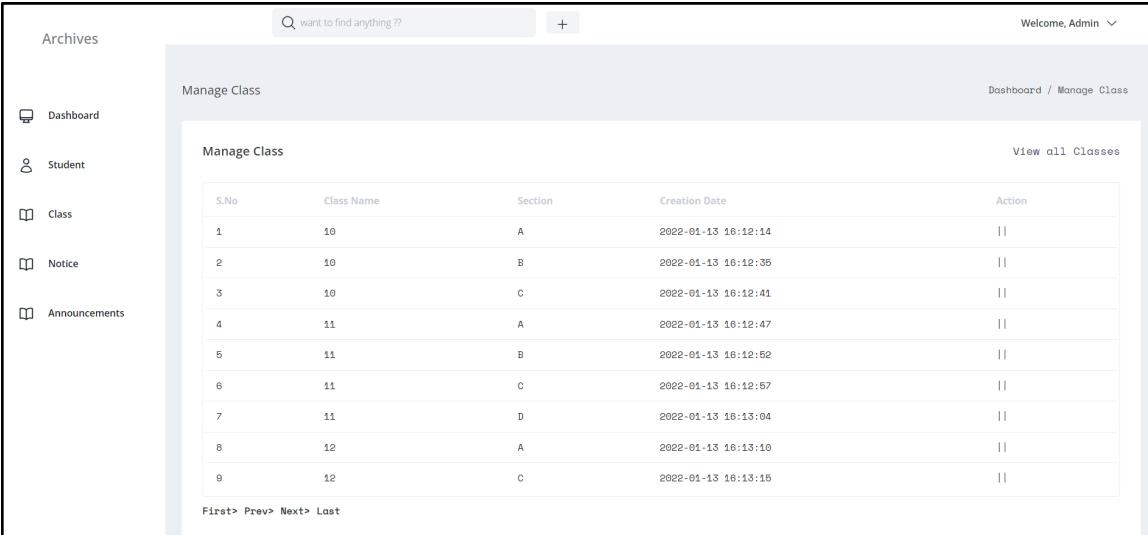
Figure : Admin Dashboard

STUDENT MANAGEMENT SYSTEM



The screenshot shows the 'Manage Students' section of the system. At the top, there's a search bar with placeholder text 'want to find anything ??' and a '+' button. To the right, it says 'Welcome, Admin' with a dropdown arrow. On the left, a sidebar menu includes 'Archives', 'Dashboard', 'Student', 'Class', 'Notice', and 'Announcements'. The main content area has a header 'Manage Students' and a sub-header 'Manage Students'. It features a table with columns: S.No, Student ID, Student Class, Student Name, Student Email, Admissin Date, and Action. The table contains 6 rows of student data. Below the table are navigation links 'First > Prev > Next > Last'. At the bottom, it says 'Archives | Student Management System'.

Figure : Manage Students / Update / Delete Student Record



The screenshot shows the 'Manage Class' section of the system. At the top, there's a search bar with placeholder text 'want to find anything ??' and a '+' button. To the right, it says 'Welcome, Admin' with a dropdown arrow. On the left, a sidebar menu includes 'Archives', 'Dashboard', 'Student', 'Class', 'Notice', and 'Announcements'. The main content area has a header 'Manage Class' and a sub-header 'Manage Class'. It features a table with columns: S.No, Class Name, Section, Creation Date, and Action. The table contains 9 rows of class data. Below the table are navigation links 'First > Prev > Next > Last'. At the bottom, it says 'Archives | Student Management System'.

Figure : Manage Class / Update / Delete Class Records

STUDENT MANAGEMENT SYSTEM

The screenshot shows the 'Manage Notice' section of the system. On the left, there's a sidebar with 'Archives' at the top, followed by 'Dashboard', 'Student', 'Class', 'Notice', and 'Announcements'. Below these are 'Manage Notice' and 'View all Notice' buttons. The main area displays a table with four rows of notice details:

S.No	Notice Title	Class	Section	Notice Date	Action
1	Marks of Unit Test.	10	C	2022-01-19 12:05:58	
2	Marks of Unit Test.	10	B	2022-01-19 12:05:58	
3	Test	10	C	2022-02-02 23:47:03	
4	Test Notice	12	A	2022-02-03 00:33:43	

At the bottom of the table, there are navigation links: 'First> Prev> Next> Last'.

Figure : Quick Notice Management / Delete / Update Notices

The screenshot shows the 'Manage Public Notice' section of the system. The sidebar is identical to the previous one. The main area displays a table with two rows of notice details:

S.No	Notice Title	Notice Date	Action
1	School will re-open	2022-01-20 14:41:57	
2	Test Public Notice	2022-02-03 00:34:10	

At the bottom of the table, there are navigation links: 'First> Prev> Next> Last'.

Figure : Quick Announcements Management / Delete / Update Announcements

The screenshot shows the 'Admin Profile' page. At the top right, it says 'Welcome, Admin'. On the left, there's a sidebar with 'Archives' and several navigation items: 'Dashboard', 'Student', 'Class', 'Notice', and 'Announcements'. The main content area has a header 'Admin Profile'. It contains fields for 'Admin Name' (Admin), 'User Name' (admin), 'Contact Number' (8979555558), 'Email' (admin@gmail.com), and 'Admin Registration Date' (2019-10-11 10:06:52). A large blue button at the bottom is partially visible.

Figure : Admin Profile

The screenshot shows the 'Change Password' page. At the top right, it says 'Welcome, Admin'. On the left, there's a sidebar with 'Archives' and several navigation items: 'Dashboard', 'Student', 'Class', 'Notice', and 'Announcements'. The main content area has a header 'Change Password'. It contains three input fields: 'Current Password', 'New Password', and 'Confirm Password'. A large blue button at the bottom is partially visible.

Figure : Admin Password Management

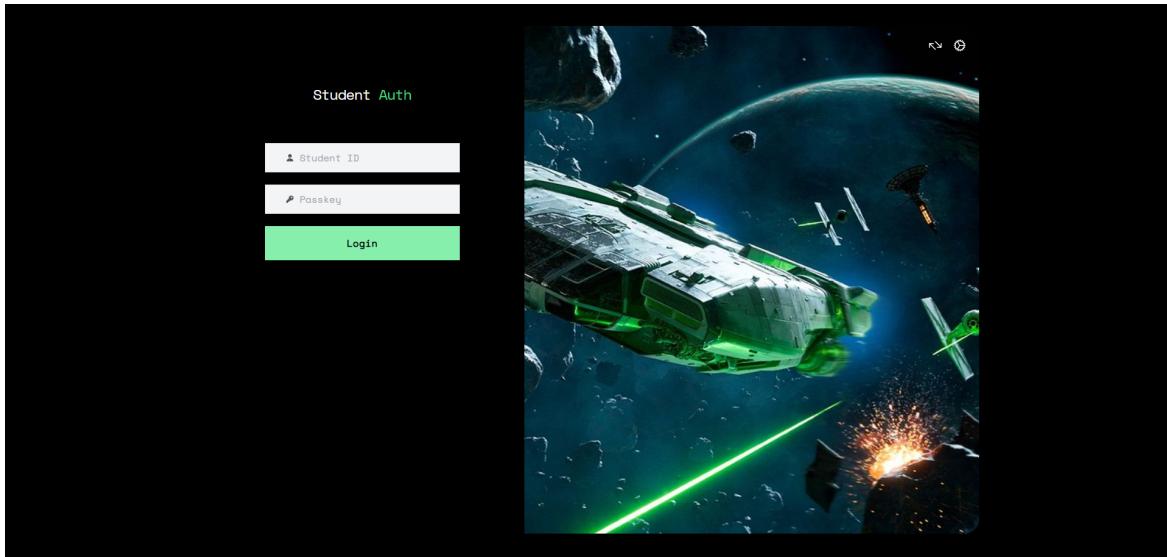


Figure : Student Authentication

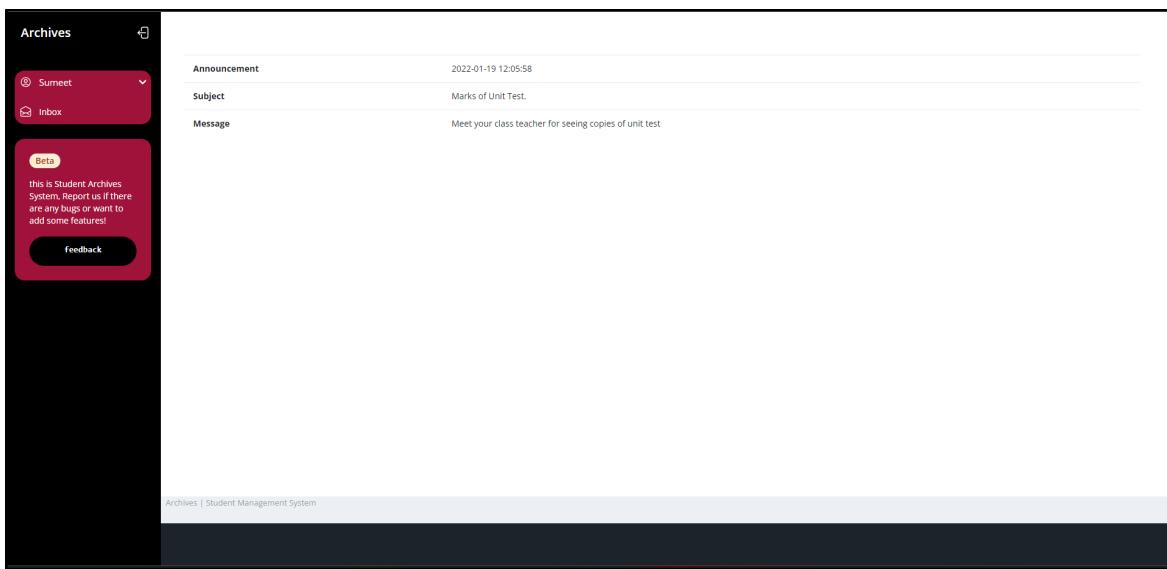


Figure : Student Dashboard

STUDENT MANAGEMENT SYSTEM

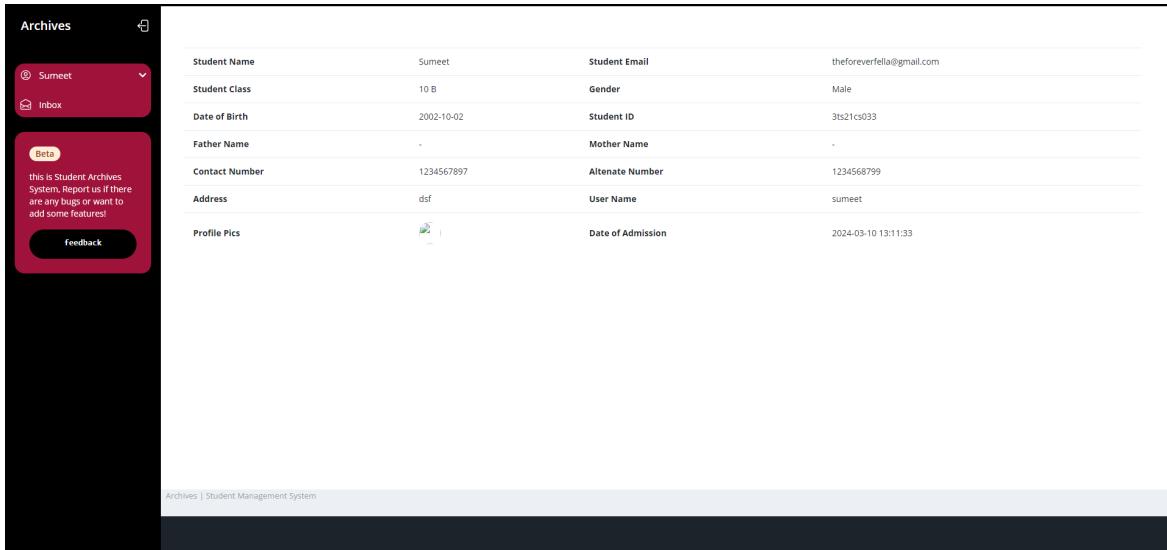


Figure : Personal Record Viewer / Profile

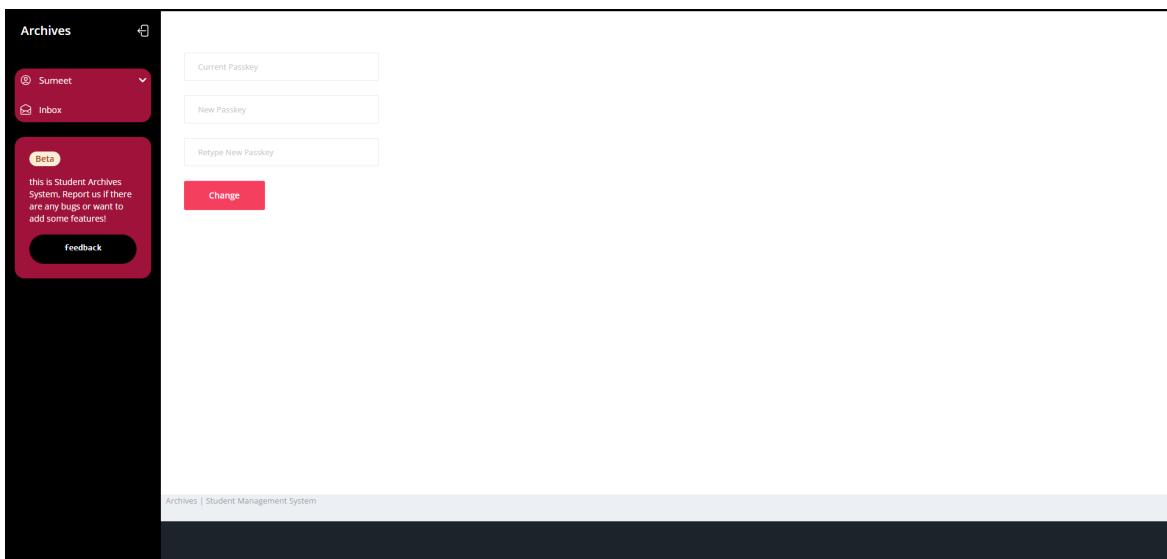


Figure : Student Password Reset / Change

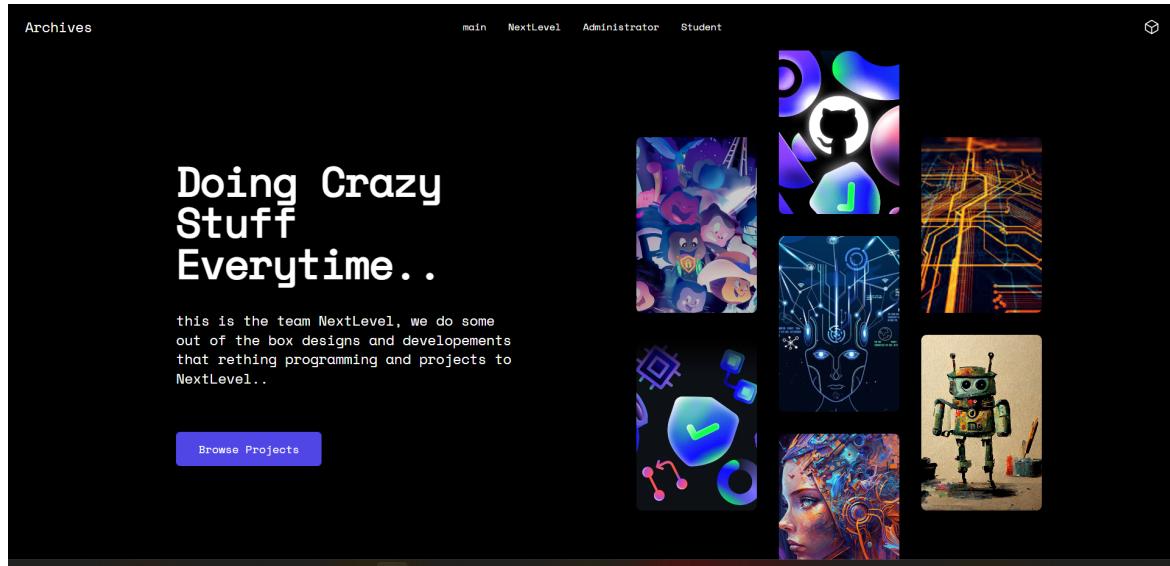


Figure : About Page

CHAPTER 7**CONCLUSION**

In conclusion, the Student Management System is a comprehensive solution designed to simplify the process of students irrespective of branch & semesters. by using modern web technologies and integrating efficient functionalities, the system offers users a convenient, efficient platform for faculty to manage students, ensuring a seamless experience.

This report highlights the architecture, functionalities, and benefits of the system, demonstrating its value in facilitating hassle-free registration system.

CHAPTER 8

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