A PROJECT REPORT

ON

"STUDENT INFORMATION SYSTEM"

Submitted to
UNIVERSITY OF MUMBAI

In Partial Fulfilment of the Requirement for the Award of

**BACHELOR'S DEGREE IN
COMPUTER ENGINEERING**

BY

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KHAN NAYAAB MOIZ AHMED	16DCO56
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**UNDER THE GUIDANCE OF
PROF. APEKSHA M. GOPALE**

**DEPARTMENT OF COMPUTER ENGINEERING
Anjuman-I-Islam's Kalsekar Technical Campus
SCHOOL OF ENGINEERING & TECHNOLOGY**
Plot No. 2 3, Sector - 16, Near Thana Naka,
Khandagaon, New Panvel - 410206
2019-2020

**AFFILIATED TO
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CERTIFICATE

This is certify that the project entitled

'STUDENT INFORMATION SYSTEM"

submitted by

KHARMALE AKSHAY KANS	**14CO29**
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is a record of bonafide work carried out by them, in the partial fulfilment of the requirement for the award of Degree of Bachelor of Engineering (Computer Engineering) at *Anjuman-I-Islam's Kalsekar Technical Campus, Navi Mumbai* under the University of MUMBAI. This work is done during year 2019-2020, under our guidance.

Date: / /

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At last we must express our sincere heartfelt gratitude to all the staff members of Computer Engineering Department who helped me directly or indirectly during this course of work.

<div align="right">

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</div>

Project I Approval for Bachelor of Engineering

This project entitled *Student Information System¨* by *Kharmale Akshay Kans, Khan Nayaab Moiz Ahmed, Siddiqui Shamshad Hussain* is approved for the degree of *Bachelor of Engineering in Department of Computer Engineering.*

Examiners

1. ....
2. ....

Supervisors

1. ....
2. ....

Chairman

....

Declaration

We declare that this written submission represents our ideas in our own words and where others ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in our submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

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ABSTRACT

Tittle: Student Information System

(SIS) Student Information System enables us to access all of the necessary forms of information required by the users or the teachers to manage their own or others authorized record, let's say students records in an automated manner over the internet at any point in time. The information or the documents of the candidates or students are manipulated in such a way that it provides an alliance with the system to balance the student's information. The organizations such as big universities make use of or recycle the records of the students very effectively and efficiently. All the data available in the form of digital documents which are updated, modernize and renovated time to time by the department or the administration, which in this case is the faculties and the higher authorities in an organization, are most likely to be treated as sensitive data for every section. The college details as well as the student's details along with the course and batch details followed by curriculum and placement details and more importantly academic-related records and reports with all the necessary resources are taken care of or handheld by the (SIS) Student Information System. The Student information system allows us to examine and analysed all the interest, affairs and transactions in the college, Different ambiguity and uncertainties can be produced and established on various substitute or preferences related to the student's semester including the courses and the examination.

Keywords: sis, student information system, sims, software, web-based portal, attendance management, students' records, Database, HTML, SQL.

Glossary :

A :

Academic Level - This signifies the Year of Study of a student.

Academic Institution - There is only one academic institution in SIS, i.e. AIKTC.

C :

Course ID - A unique number is assigned to a course in the system.

D :

Database - a structured set of data held in a computer,especially one that is accessible in various ways.

G :

Grading Basis - Grades that are assigned for the course.

O :

Open Enrollment Appointments - Add Drop Period.

R :

Requisites - Requisites refers to pre-requisite or co-requisite of a course. If students do not meet the pre-requisite or co-requisite requirements of a course and have special grounds for enrollment, they may submit a request with justifications to override the requisite requirements.

S :

Student Information Systems (SIS) - Student Information Systems usually include academic structure, campus community, recruiting and admissions, curriculum management, student records, student financials, academic advisement and self service.

T :

Test Component - Codes are used to stand for subjects of an examination, e.g. A09 stands for Economics.

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Chapter 1

Introduction

A software application which is basically a web-based designed known as Student Information System to introduce an organised information trading environment for teachers, student and the college and universities. In many institutions, this is very difficult to maintain student data. Due to this reason, it is very inconvenient to access information about any student. This system will be used to maintain records of the students that are registered in or that have completed academic course. Providing an appropriate registration system or a channel to the new candidates. Maintaining each and every account of the candidate in a non-document format from subscription or we can say enlistment to the end of the academic. Modernizing the information accessible by the department on their workspace whenever required in just a fraction of seconds. By having an Integrated control over the records of the candidates or the students. The student information system is a computerized or programmed version of hand-operated or manual student management system. The students can audit their data and records whenever they feel so.

1.1 Purpose

Every educational institution has to manage a huge amount of student data on a daily basis. Student information systems help organize, categorize this information, saving valuable amount of time from the teachers, students and everyone else involved in the education process. The majority of student data can be quite complex and often, with-

out a student information system, that information can be lost on the way. SIS systems reduce manual workload and labor as they make daily tasks easier and error-free.

By collecting student data, teachers can assess the progress of their students or manage daily workload and track student's attendance.

1.2   Project Scope

The students of colleges register for courses then their data has been stored into the databases of the information system. When teachers required the information about any student, they can access through the Student Information System. Students and teachers can access attendance, academic progress. SIS supports a ton of functions that are useful from the admission of the students in the college to the graduation of them. The students can request their documents which are submitted in the institute at the time of admission when their graduation gets completed.

1.3   Project Goals and Objectives

- To provide a proper registration channel/ system to the new students.

- To maintain all the accounts of the students in digital form from enrollment up to the end of the study.

- To update the information available to the departments at their desk whenever required in just a click away.

- To have a centralized control over the records of the students.

1.4 Organization of Report

The report is organized as follows : The introduction is given in Chapter 1. It describes the fundamental terms used in this project.It describes the Goal, Objectives and scope of this project. The Chapter 2 describes the review of the relevant various techniques in the literature systems. It describes the pros and cons of each technique with how to overcome those cons using new technology.

The project planning includes members and capabilities of this project, roles and responsibilities of each member, Budget of Project and Project timeline is describe in Chapter 3. The Chapter 4 describes Functional and Nonfunctional Requirements of project. Along with this it also explain features of system and constraints of system.

The Chapter 5 includes Design Information with Class Diagram, Sequence Diagram and System Architecture. Implementation of each module is explained in Chapter 6. Chapter 7 shows final Test Cases and Test Results. Chapter 8 includes Screenshot of outputs and Conclusion and Future Scope of Project is described in Chapter 9.

Chapter 2

Literature Survey

2.1 College Student Management System Design Using Computer Aided System

In this paper, they developed the college student management system based on the web portal. They have used the database system to store the data. In this system, students information like there attendance, employment, course type are storing. But the student information is not secure because they are not using the login system because of this anyone can access the information.

2.1.1 Disadvantages of Paper

a. In this system, it does not have an alumni module which can not have the track on pass out students.

b. In this system, it also does not have online fees payment module.

c. Not using the security system.

2.1.2 How to overcome the problems mentioned in Paper

a. Encrypting the students information by adding login system.

b. Fees payment module can be added in this system.

c. Requesting module can be added in this system.

2.2 Development of a Student Database Management System for a University

In this paper, the system is the automation of the manual record management of the students which helps them to access their data easily at any time and anywhere. After providing the login credentials home page appears which shows the notifications and the activities of the college. It stores all the important information of the students in one place very securely.

2.2.1 Disadvantages of Paper

a. The login and registration are not secure in the database because of not using any security algorithms.

b. It does not contain requesting module to access documents submitted at the time of admission.

2.2.2 How to overcome the problems mentioned in Paper

a. Security can be improved by using security algorithms like sha1 or sha256 or md5.

b. By adding the requesting module in the system students can access their documents any time.

2.3   Web Based Student Information Management System

In this paper, students information is store by creating the database using PHP and MySQL. The students and faculties can access the information system by login into it. After the login students can access their courses, college notifications, the exam and placement updates. Faculties can access student information, update student course details.

2.3.1   Disadvantages of Paper

a. It does not have fees module in which students can not access their pending fees information.

b. Administrator can only add the new student.

2.3.2   How to overcome the problems mentioned in Paper

a. Adding the fees module can make student easier to access their fees information.

b. By verifying the student via an email, the new student can get access to the system.

2.4   Existing System

We have reviewed the existing Student Information System of the MasterSoft. In this system, they are maintaining student records like their personal records, academic progress. Teachers can access the data of any student at any time. The online fees payment module is also included in the system.

2.5   Technical Review

HTML, CSS, and PHP are acronyms for different coding languages used for displaying webpages on the internet. Each has a different purpose and function and they work together to deliver beautiful websites with updated content to your web browser.

HTML stands for Hyper Text Markup Language, CSS for Cascading Style Sheets, and PHP for PHP Hypertext Preprocessor.

2.5.1   Advantages of Technology

a. HTML is the flesh and bones of a website, defining its structure.

b. CSS is the clothing, allowing designers to make site-wide changes more easily.

c. PHP assembles each piece of the website and prepares it for your viewing pleasure.

2.5.2   Reasons to use this Technology

a. The ML part of HTML, or Markup Language, refers to how the language is structured: with mark up. A simple text document is marked up with tags that define the role of the text between the tags.

b. The style sheets are cascading in that there can be a number of conflicting rules that can be applied to a particular tag but the most specifically targeted rules will override less specifically targeted rules.

c. PHP is very convenient for making page templates for a website, so that if you want to change a common element of a site such as the header or navigation, you only have to change it once instead of on every page of the entire website.

Chapter 3

Project Planning

3.1 Members and Capabilities

Table 3.1: Table of Capabilities

SR. No	Name of Member	Capabilities
1	Kharmale Akshay	Database, UI Design
2	Khan Nayaab	UI Design, Backend Design
3	Siddiqui Shamshad	Database, Backend Design

Work Breakdown Structure

1. All of the members are equally important in developing the project.

2. We work on a different part of the project based on one's capability.

3. Firstly we came up with documentation, And based on the documentation we set our goal and created a blueprint.

4. We then started going hands-on with the project to develop it according to the flow as decided earlier.

3.2 Roles and Responsibilities

Table 3.2: Table of Responsibilities

SR. No	Name of Member	Role	Responsibilities
1	Kharmale Akshay	Team Leader	UI Design
2	Khan Nayaab	Team Member	Backend Design
3	Siddiqui Shamshad	Team Member	Database

3.3   Assumptions and Constraints

a. To reduce the stress and work of administrative of colleges.

b. Students and teachers can access information easily.

c. Teachers can send notifications at any time to all students.

3.4   Project Management Approach

a. Planning of project.

b. Defining the scope of the project.

c. Estimation of time and It's management.

d. Creating Gantt Charts and properly assigning tasks to members.

e. Reporting the progress of project with the guide.

3.5   Ground Rules for the Project

a. Properly planning and gathering relevant information is very important.

b. Developing a Blueprint of the project and work accordingly.

c. All the members should report to the guide whenever required

d. Setting up small goals every week.

e. Achieving the small goal within that span of time.

f. Keeping tracks of the progress towards project.

3.6   Project Budget

a. It is a light project.

b. Cost of the project is very low and efficient.

3.7   Project Timeline

Task Name	Aug			Sep					Oct
	Aug 11	Aug 18	Aug 25	Sep 1	Sep 8	Sep 15	Sep 22	Sep 29	Oct 6	Oct 1
Implementation plan for current semester									
Literature Review									
System Architecture									
Use Case Diagram									
Class Diagram									
Sequence Diagram									
DFD Diagram									
Flowchart									
Home Page, Register,Login,Admission form									
Milestone									

Task Name		Jan				Feb				
	9	Jan 5	Jan 12	Jan 19	Jan 26	Feb 2	Feb 9	Feb 16	Feb 23	Mar 1	Mar 8
Implementation of Notification Module										
Implementation of Alumni Module										
Integration with Exam cell database										
Database implementation for alumni module										
Testing										
Milestone										

Chapter 4

Software Requirements Specification

4.1 Overall Description

4.1.1 Product Perspective

The product is an open source. It is an web based system.This system is used to store and access data of students. This system is an independent from any other third party system. This system is made for students and colleges who can easily access the data of students. By login into the system the students can access there data and faculties also access the data of students for their information.

4.1.2 Product Features

There are two major features in this system.
The first feature is the accessing the students data at any time through the system. Any authenticated user can access the data of students about there academics, career and the marks.
The second feature of this system is the notification. The faculties or administration of college can send the important notifications at any time by accessing the system. Also the important notices can be displayed on the system in the notices section.

4.1.3 User Classes and Characteristics

This system contains the two types of users. The first one are students and the second are the faculties. The first user, student can only view the information of there academics during there education. They

can not modify or change the information without proper authentication.

The second user, faculties or administration can access the student's information for analysis of students achievement's and for their progress. Faculties can change the students information by authenticating them in the system. Faculties also send the important notifications to the students through the system.

4.1.4 Operating Environment

This system can operate on any environment. Hardware specifications:

- Intel Core i3 5 gen processor or any equivalent.

- 4 GB RAM & 500 GB Disk Space(for Desktop and Laptop)

Software Specifications:

- Microsoft Windows 7 or later / Ubuntu 12.0 LTS or later / MAC OS 10.1 or later.

- Xampp / Wamp Server for Windows.

- Mysql, Phpmyadmin and Apache Server.

- HTML 5, CSS 3 & PHP compatible Web browser

- Web-browser:chrome,Mozilla,Internet Explorer

4.1.5 Design and Implementation Constraints

This system focuses one of the features at time. It is not able to provide two or more services at a time.At any instant only one of the services is accessible.

4.2 System Features

This system has the some features which are very useful to the users of it. The system features are mention in the following section one by one.

4.2.1 System Feature

Notification

Description and Priority

This is the one of the feature of the system. It can be used to send important notification to the students about there education and college events. It is the most important feature because it can be use at any time easily to inform the students about messages by the college authorities.

Stimulus/Response Sequences

Stimulus: Faculty accesses the system by login into it.
Response: System gives the access to faculty to send the notification.
Stimulus: Faculty accesses the notification section.
Response: System gives the permission to select students.
Stimulus: Faculty selects the students or class whom they want to notify.
Response: System sends the notifications to the students.

Functional Requirements

REQ-1: Functional internet connection is required to access the system.
REQ-2: Authentication from the system.
REQ-3: Access to the database for selecting students.

4.2.2 System Feature

Academics

Description and Priority

This is the another feature of the system. By accessing it students can access their academics data at any time. Faculties can also access and change or update students data by using this feature.

Stimulus/Response Sequences

Stimulus: Faculty and student accesses the system by login into it.
Response: System gives the access to faculty and students to acess the data of academics.
Stimulus: Faculty accesses the data or update the data of the students.
Response: System saves the updated data into database.
Stimulus: Faculty logs out of system.
Response: Data get saves and displayed to the student.

Functional Requirements

REQ-1: Functional internet connection is required to access the system.
REQ-2: Authentication from the system.
REQ-3: Access to the database for selecting students and updating the information.

4.3 External Interface Requirements

4.3.1 User Interfaces

It is very light web system, so the GUI is very simple. Home page provides the information about the college and the department. Also their is login and registration option for the students and faculties. After the login students can access the their information and fill the forms for bus or railway concession and for ID cards. Faculties access the

students information for check their performance and gives them tips to improve performance.

4.3.2   Hardware Interfaces

This web system requires permission of some of the hardware commodities. One need to give internet access to load the system. One should also give database access to save the information of the students.

4.3.3   Software Interfaces

The software we have used for this system are HTML, CSS, and PHP. The HTML gives the platform to design the front-end of the system as well as to design the system. CSS provides the support to designing the system by providing cosmetic changes to the simple design. The PHP provides the software to connect the database to the system and to develop the back-end of the system.

4.3.4   Communications Interfaces

The login or sign-up page is used for the users to communicate with system. System also uses the email services to verify the user and to access their login credentials. System also uses SMS service to send notifications to the students.

4.4   Nonfunctional Requirements

4.4.1   Performance Requirements

Performance of overall system is very efficient and well optimize. From the time taken to capture the data entered by user and process it everything is well organized.

4.4.2 Safety Requirements

This system contains the critical data about the students. The databases that are accessed are locally executed. Any update in the database may occurs the databases to crash.

4.4.3 Security Requirements

The security is more important requirement because system databases contains the very sensitive information about the students studying in the college. So we have to give proper access to the authenticated users only.
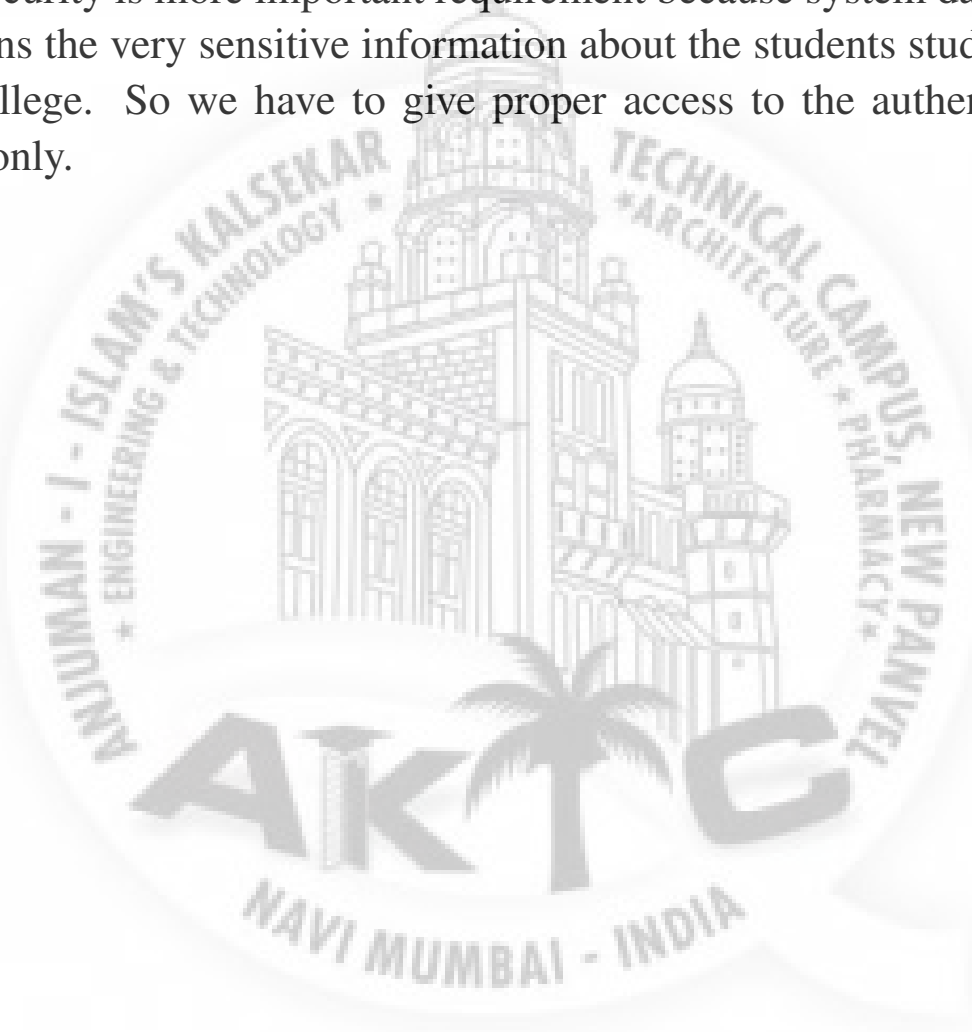
Chapter 5

System Design

5.1 System Requirements Definition

5.1.1 Functional requirements

The basic functions that the system must provide and focus on the needs and goals of the end users.

a. Login and Sign-up to System.

b. Storing students academics information.

c. Sending important notification to the students.

d. Accessing Alumni students information to administration of college.

e. Details of Fees payment of the students.

f. Requesting the documents from the college through the system.

Use-case Diagram

A use case diagram at its simplest is a representation of a user's interaction with the system that shows the relationship between the user and the different use cases in which the user is involved.In our system User will interact with use cases like Academics, Fees, Alumni, Notifications.

Figure 5.1: Use Case

Data-flow Diagram

A data-flow diagram is a way of representing a flow of a data of a process or a system. The DFD also provides information about the outputs and inputs of each entity and the process itself. Given below is Level 0, Level 1, and Level 2 DFD of system.
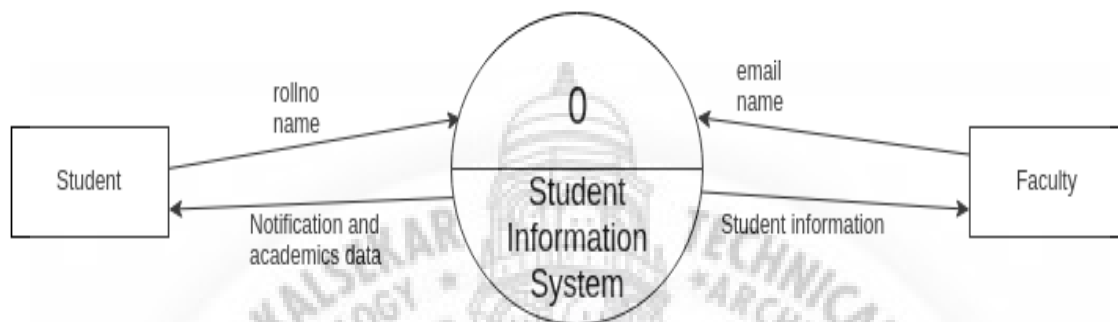
Figure 5.2: Data-flow Diagram Level 0
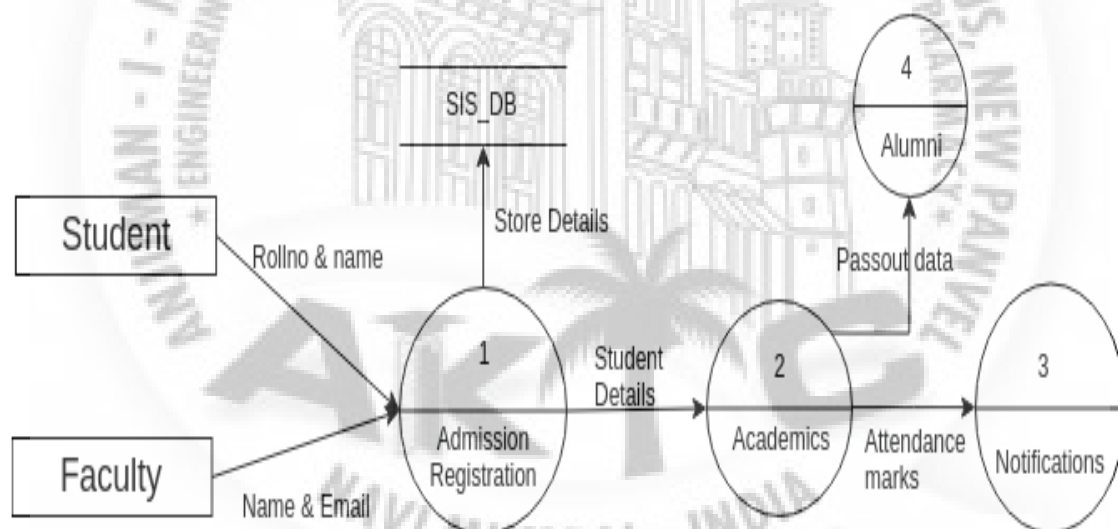
Figure 5.3: Data-flow Diagram Level 1
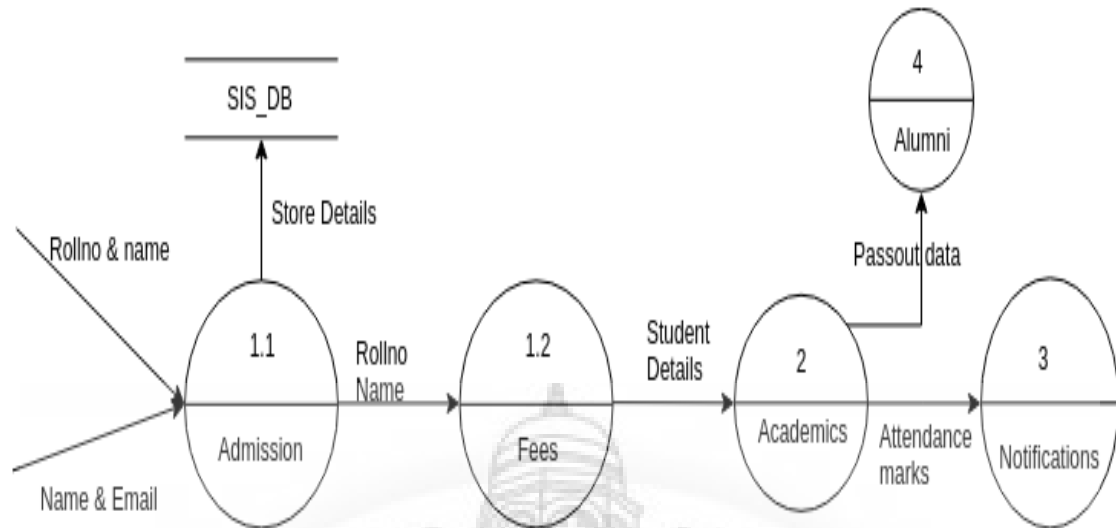
Figure 5.4: Data-flow Diagram Level 2
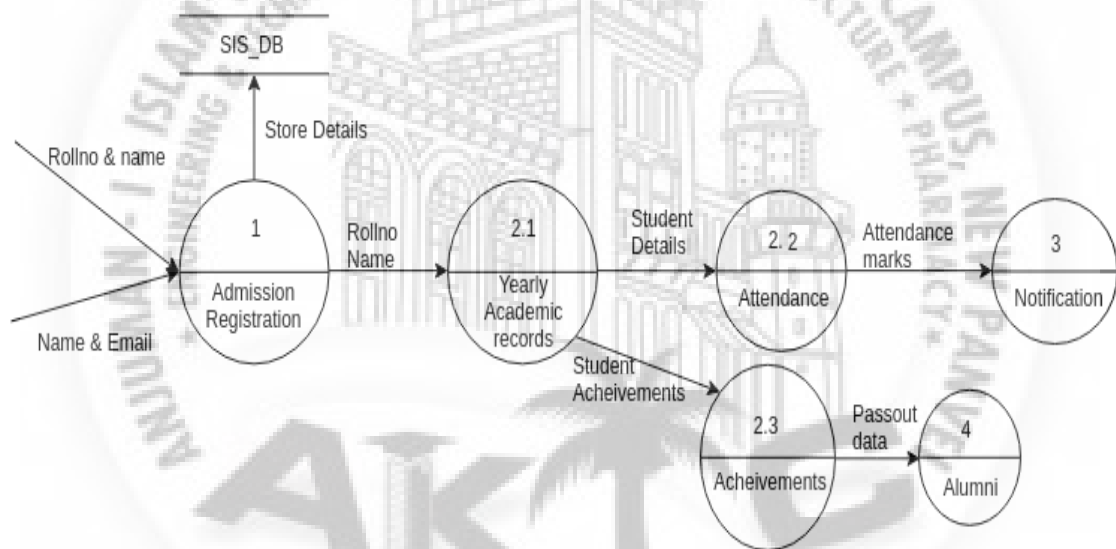
Figure 5.5: Data-flow Diagram Level 2
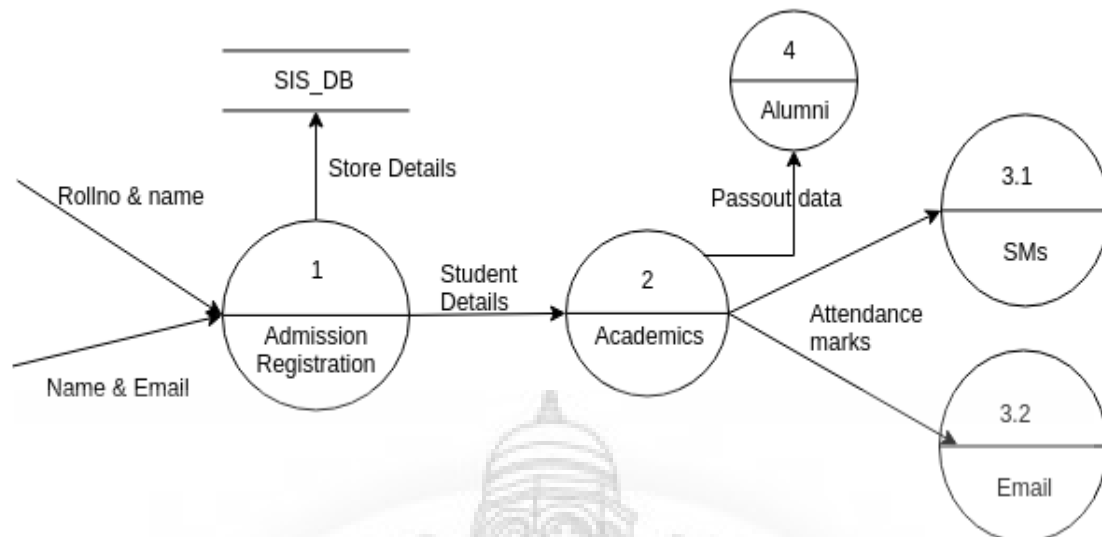
Figure 5.6: Data-flow Diagram Level 2

5.1.2 System requirements (non-functional requirements)

These are non-functional system properties such as availability, performance and security etc. They define functions of a system, services and operational constraints in detail.

a. Usability - Application implementation is feasible using technologies that are accessible to the end-users.

b. Portability - The interfaces are compatible with web browsers.

c. Performance Efficiency -Application is able to perform well in a proper time constraint.

d. Multi User System -Application is able to consider the presence of more than one user in the same environment. All the features of the system operates properly for all users and provides proper transparency.

e. Time Efficiency - Time taken for the executing of system is less.

5.2   System Architecture Design

A system architecture is the conceptual model that defines the structure, behavior, and more views of a system. An architecture description is a formal description and representation of a system, organized in a way that supports reasoning about the structures and behaviors of the system.
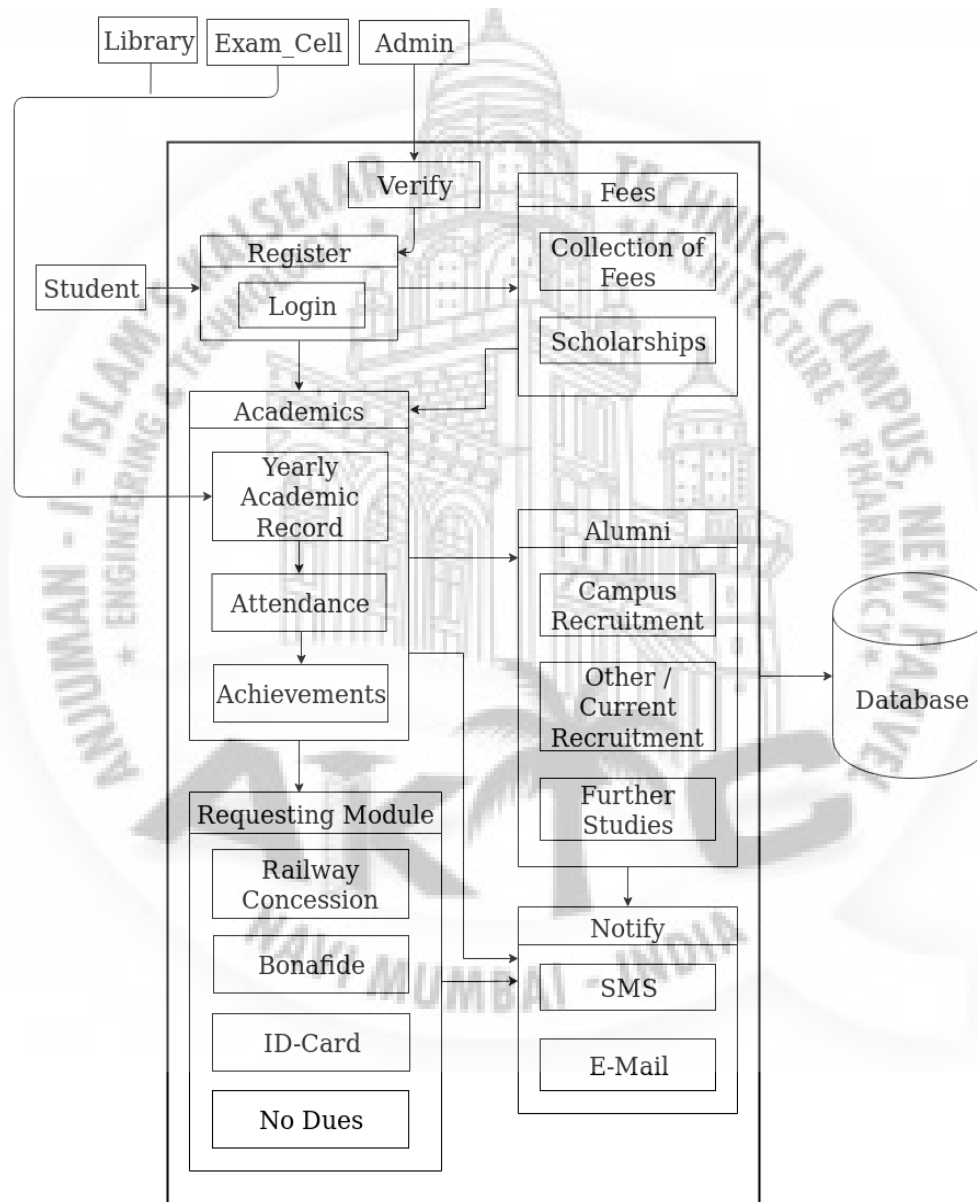
Fig:- System Architecture of Student Information System

Figure 5.7: System Architecture

5.3   Sub-system Development

This system consists of five modules which are Academics, Fees, Alumni, Requesting and Notify. The academics module consists of yearly academic records of the student, their attendance and achievements. Fees module consists of collection of fees and scholarships. Alumni module consists of data of pass-out students. Notify module consists of SMS and Email notifications.

5.3.1   Registration Module

A user enters the details of username password. The passwords are stored in sha256 encrypted hash ensuring the security aspects. With the help of username password a user will be able to gain access to the Web Portal.After Registration of User It Automatically Login the User to Portal Login to the System and new page appear for admission form.
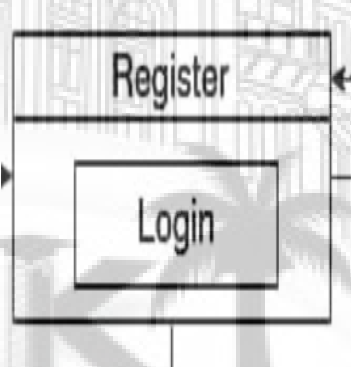
Figure 5.8: Registration Module

5.3.2   Academics Module

After filling the admission form, the student's and faculty can access the student yearly academic records, there attendance for the current semester and the achievements of the student in the whole academics by entering the roll number and the name of student.
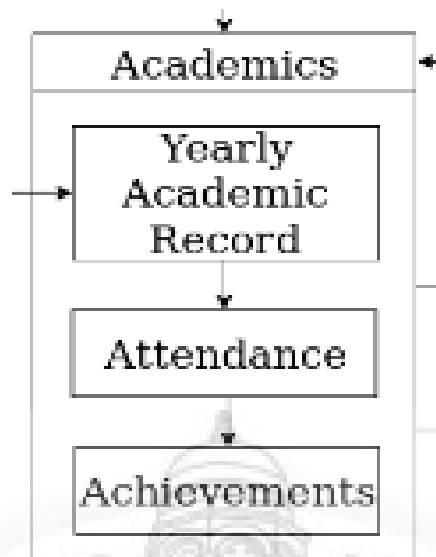
Figure 5.9: Academics Module

5.3.3 Fees Module

The student and faculty can access the data about the fees by entering the roll number, current year and name of the student. Fees module contains the collection of fees and the scholarships of the student.
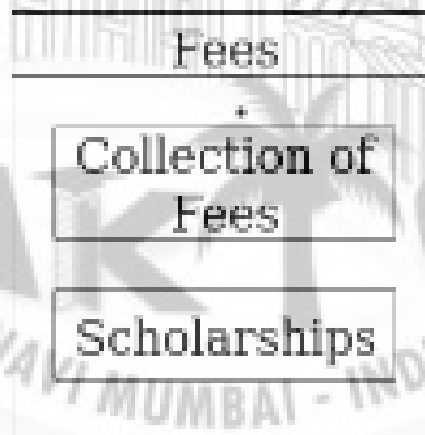
Figure 5.10: Fees Module

5.3.4 Alumni Module

In the alumni module faculty can access the data about the pass-out students from the campus every year. The alumni module contains the data about the alumni whether they are recruited from campus or from the out side of the campus. It also contains the data of alumni

current job. It also contains the data of alumni who are going for further studies.
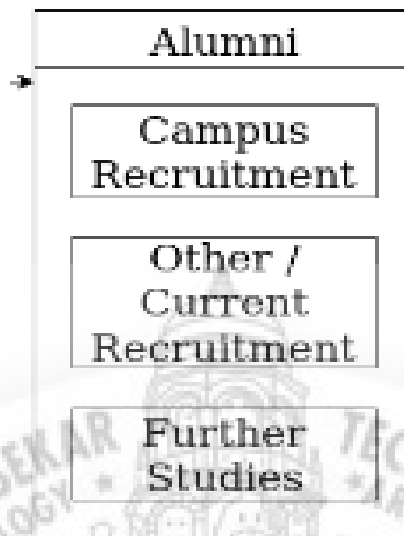
Figure 5.11: Alumni Module

Requesting Module

In the requesting module student of campus can get railway Concession, Bonafide, ID-card, and the No Dues. The pass-out student's can get there original documents from the college by using this module.
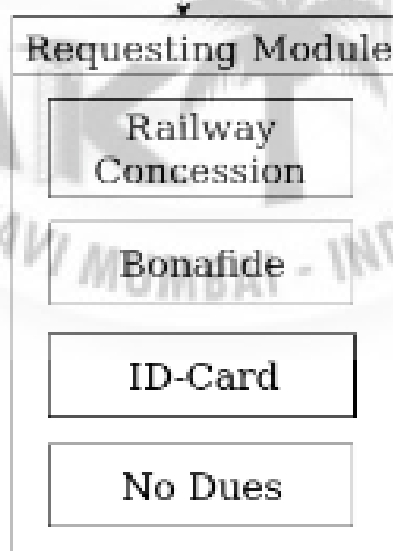
Figure 5.12: Requesting Module

Notification Module

In the notification module the college authorities will inform the student"s and there parents about there monthly attendance and about there Unit Test marks and also the end semester marks by using the **SMS** and the **E-mail** and also the important notices about the campus.

Figure 5.13: Notification Module

5.4 Systems Integration

System integration (SI) is an engineering process or phase concerned with joining different subsystems or components as one large system. It ensures that each integrated subsystem functions as required. SI is also used to add value to a system through new functionalities provided by connecting functions of different systems.

5.4.1 Class Diagram

In software engineering, a class diagram in the Unified Modeling Language is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations, and the relationships among objects.Our System consist of six Classes Student, Fees, Academics, Alumni, Notify and Request.
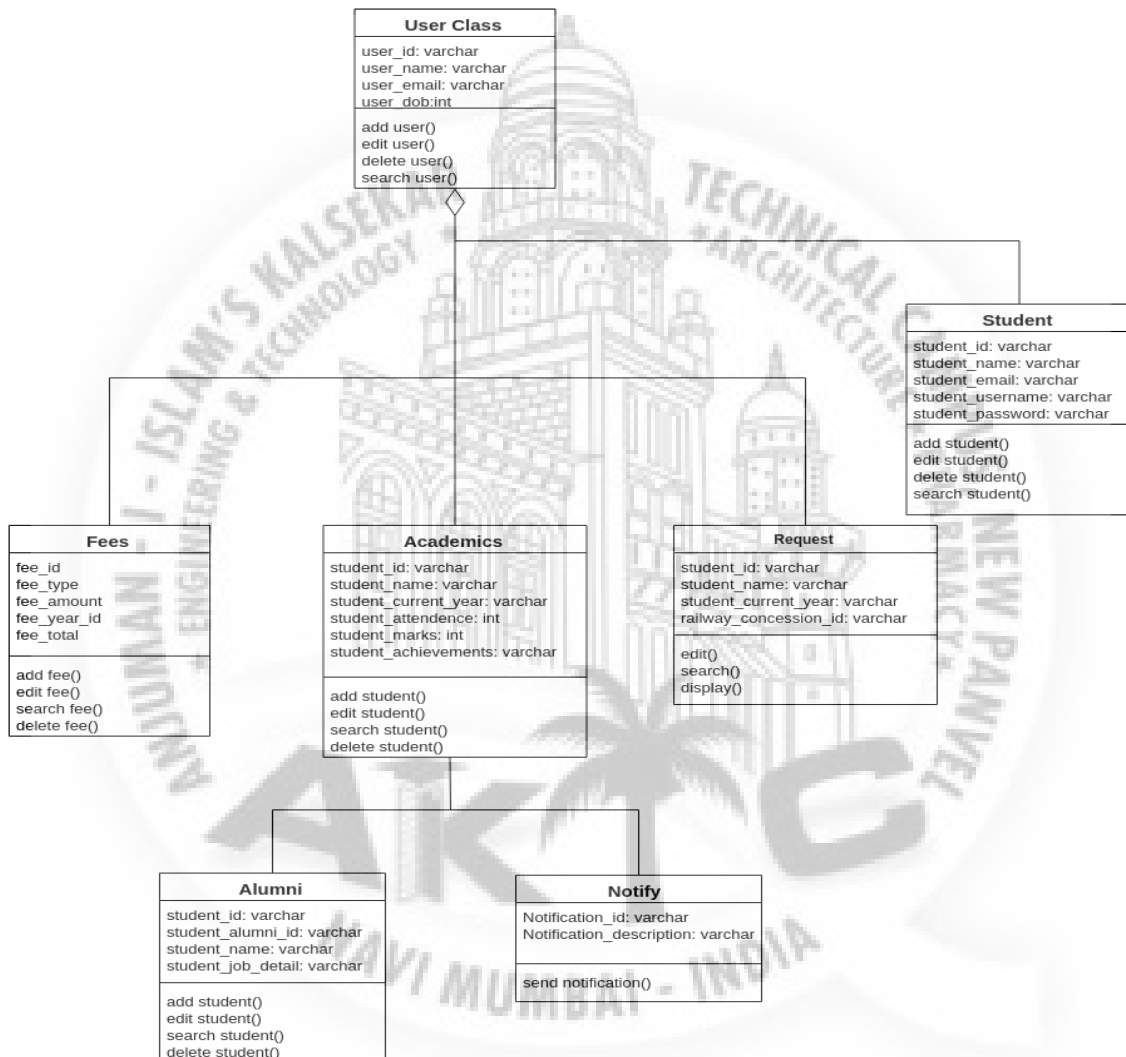
Figure 5.14: Class Diagram For SIS

5.4.2 Sequence Diagram

A sequence diagram shows object interactions arranged in time sequence. It depicts the objects and classes involved in the scenario and the sequence of messages exchanged between the objects needed to carry out the functionality of the scenario.
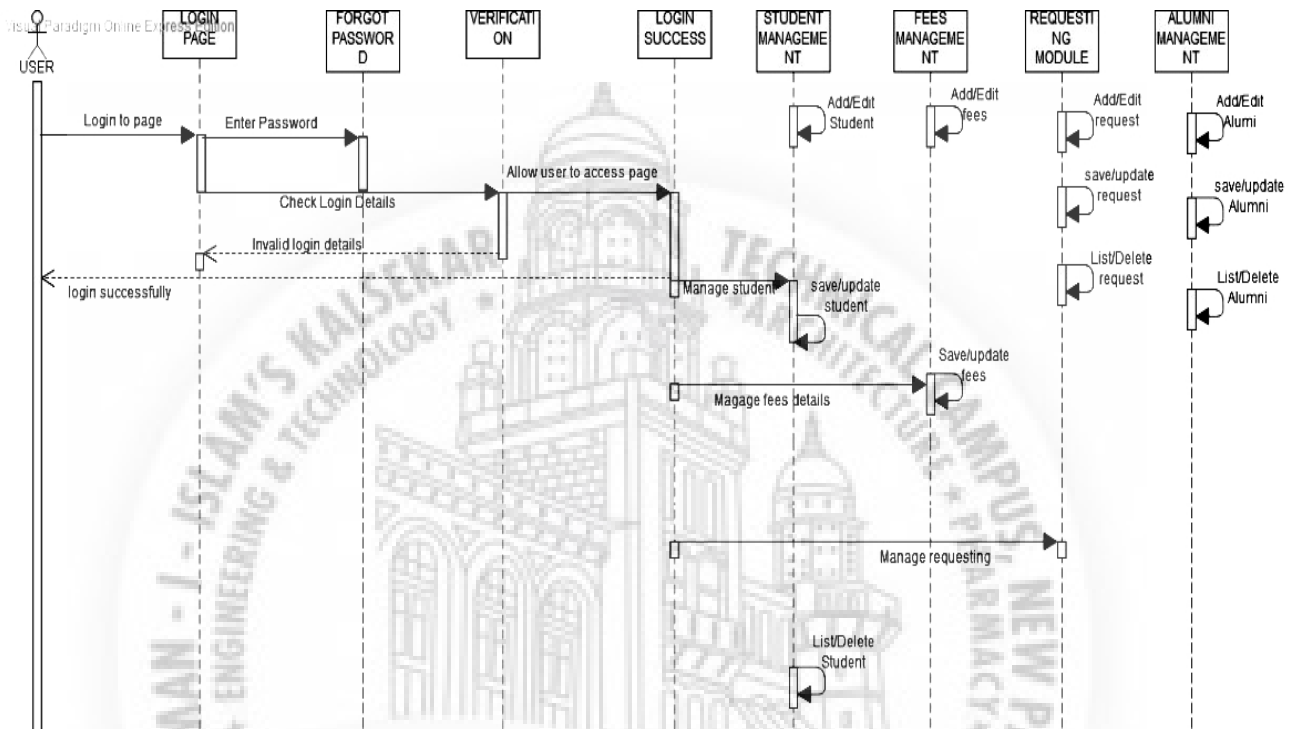
Figure 5.15: Sequence Diagram For SIS

Chapter 6

Implementation

6.1   Home

This part of system is implemented using HTML, CSS and PHP. This page shows the details about the college and the department. This is the main page of the system from where user starts accessing the system.

Figure 6.1: Home

Figure 6.2: Home

Figure 6.3: Home

Index.html

```
1    <!DOCTYPE HTML>
2  <html>
3
4  <head>
5      <title>Home</title>
```

```
6
7
8      <link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
9
10     <link href="css/style.css" rel='stylesheet' type='text/css' />
11
12     <link href="css/font-awesome.min.css" rel="stylesheet">
13     </head>
14
15 <body>
16     <!-- header -->
17     <header>
18         <div class="container">
19             <div class="header d-lg-flex justify-content-between align-items-
                    center py-2 px-sm-2 px-1">
20                 <!-- logo -->
21                 <div id="logo">
22                     <h1><a href="index.html">AIKTC</a></h1>
23                 </div>
24                 <!-- //logo -->
25                 <!-- nav -->
26                 <div class="nav_w3ls ml-lg-5">
27                     <nav>
28                         <ul class="menu">
29                             <li><a href="index.html">Home</a></li>
30                             <li><a href="#events">Notifications </a></li>
31                             <li><a href="#about">About</a></li>
32
33                             <li><a href="#contact">Contact </a></li>
34                             </ul>
35                     </nav>
36                 </div>
37                 <!-- //nav -->
38             </div>
39         </div>
40     </header>
41     <!-- //header -->
42
43     <!-- banner -->
44     <div class="main-w3pvt mian-content-wthree text-center" id="home">
45         <div class="container">
46             <div class="style-banner mx-auto">
47                 <h3 class="text-wh font-weight-bold">Welcome to <span>AIKTC</
                        span><br>Best for Education </h3>
48             </div>
49         </div>
50     </div>
51     <!-- //banner -->
52
53     <!-- banner bottom -->
54     <section class="w3ls-bnrbtm py-5" id="about">
55         <div class="container py-xl-5 py-lg-3">
56             <h3 class="title-w3 mb-md-5 mb-sm-4 mb-2 text-center font-weight-
                    bold">About Us</h3>
57             <div class="row">
58                 <div class="col-lg-6 text-center">
59                     <img src="images/aiktc.jpeg" alt="about" class="img-fluid mt
                            -4" style="width: 100%;height: 75%" />
60                     <img src="images/aiktc1.jpeg" alt="about" class="img-fluid
                            mt-4" style="width: 100%;height: 75%"/>
61                     <img src="images/aiktc2.jpeg" alt="about" class="img-fluid
```

```html
                                        mt-4" style="width: 100%;height: 60%"/>
62                      <img src="images/aiktc3.jpeg" alt="about" class="img-fluid
                                        mt-4" style="width: 100%;height: 75%"/>
63                      <img src="images/aiktc5.jpeg" alt="about" class="img-fluid
                                        mt-4" style="width: 100%;height: 75%"/>
64                      <img src="images/aiktc7.jpeg" alt="about" class="img-fluid
                                        mt-4" style="width: 100%;height: 75%"/>
65                  </div>
66 <script>
67 var myIndex = 0;
68 carousel();
69
70 function carousel() {
71   var i;
72   var x = document.getElementsByClassName("img-fluid mt-4");
73   for (i = 0; i < x.length; i++) {
74     x[i].style.display = "none";
75   }
76   myIndex++;
77   if (myIndex > x.length) {myIndex = 1}
78   x[myIndex-1].style.display = "block";
79   setTimeout(carousel, 2000); // Change image every 5 seconds
80 }
81 </script>
82                  <div class="col-lg-6 pr-xl-5 mt-4">
83                      <h3 class="title-sub mb-4">WELCOME TO AIKTC CAMPUS</h3>
84                      <p class="sub-para">Established in 2011, AIKTC is spread
                                over 10.50 acres of virgin land with more than 2.36 lakh
                                sq.ft of built-up area and still expanding. Its is (
                                minority institution) built to provide an integrated
                                learning environment for students from all communities
                                .</p>
85                      <p class="sub-para pt-4 mt-4 border-top">It is an
                                outstanding technological campus where students are
                                trained & taught by qualified teachers and trainers to
                                attain their full potential. AIKTC provides Best of
                                Facilities for quality education, research and practice
                                in all the professional Programmes in Engineering &
                                Technology, Pharmacy and Architecture, ranging from
                                Diploma to Degree to Post Graduate courses.</p>
86                  </div>
87              </div>
88          </div>
89      </section>
90  <!-- gallery -->
91      <div class="gallery-cont text-center pb-5" id="gallery">
92          <div class="container py-xl-5 py-lg-3">
93              <h3 class="title-w3 mb-sm-5 mb-4 text-center text-bl font-weight-
                        bold">Our Gallery </h3>
94              <div class="row news-grids text-center no-gutters">
95                  <div class="col-md-4 gal-img">
96                      <a href="#gal1"><img src="images/aiktc10.jpeg" alt="Gallery
                                Image" class="img-fluid" style="height: 100%"></a>
97                  </div>
98                  <div class="col-md-4 gal-img">
99                      <a href="#gal2"><img src="images/aiktc11.jpeg" alt="Gallery
                                Image" class="img-fluid"></a>
100                 </div>
101                 <div class="col-md-4 gal-img">
102                     <a href="#gal3"><img src="images/aiktc8.jpeg" alt="Gallery
                                Image" class="img-fluid"></a>
```
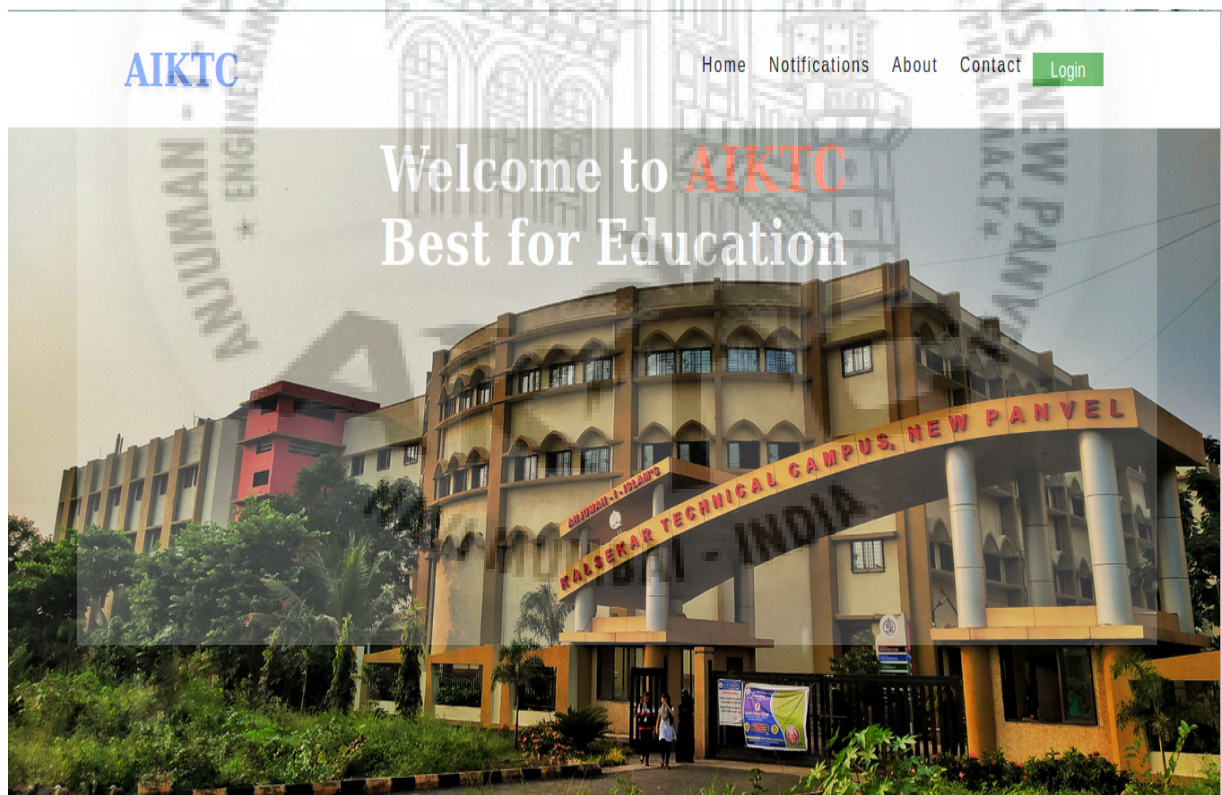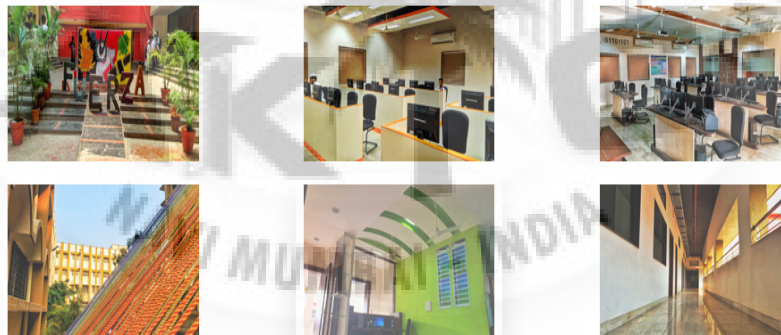
```html
103              </div>
104           </div>
105           <div class="row news-grids text-center no-gutters">
106               <div class="col-md-4 gal-img">
107                   <a href="#gal4"><img src="images/aiktc9.jpeg" alt="Gallery
                          Image" class="img-fluid"></a>
108               </div>
109               <div class="col-md-4 gal-img">
110                   <a href="#gal5"><img src="images/aiktc6.jpeg" alt="Gallery
                          Image" class="img-fluid"></a>
111               </div>
112               <div class="col-md-4 gal-img">
113                   <a href="#gal6"><img src="images/aiktc4.jpeg" alt="Gallery
                          Image" class="img-fluid"></a>
114               </div>
115           </div>
116
117           <!-- gallery popups -->
118           <!-- popup-->
119           <div id="gal1" class="pop-overlay animate">
120               <div class="popup">
121                   <img src="images/aiktc10.jpeg" alt="Popup Image" class="img-
                          fluid" />
122
123                   <a class="close" href="#gallery">&times;</a>
124               </div>
125           </div>
126           <!-- //popup -->
127           <!-- popup-->
128           <div id="gal2" class="pop-overlay animate">
129               <div class="popup">
130                   <img src="images/aiktc11.jpeg" alt="Popup Image" class="img-
                          fluid" />
131
132                   <a class="close" href="#gallery">&times;</a>
133               </div>
134           </div>
135           <!-- //popup -->
136           <!-- popup-->
137           <div id="gal3" class="pop-overlay animate">
138               <div class="popup">
139                   <img src="images/aiktc8.jpeg" alt="Popup Image" class="img-
                          fluid" />
140
141                   <a class="close" href="#gallery">&times;</a>
142               </div>
143           </div>
144           <!-- //popup3 -->
145           <!-- popup-->
146           <div id="gal4" class="pop-overlay animate">
147               <div class="popup">
148                   <img src="images/aiktc9.jpeg" alt="Popup Image" class="img-
                          fluid" />
149
150                   <a class="close" href="#gallery">&times;</a>
151               </div>
152           </div>
153           <!-- //popup -->
154           <!-- popup-->
155           <div id="gal5" class="pop-overlay animate">
156               <div class="popup">
```

```
157              <img src="images/aiktc6.jpeg" alt="Popup Image" class="img-
                    fluid" />
158
159              <a class="close" href="#gallery">&times;</a>
160          </div>
161        </div>
162      <!-- //popup -->
163      <!-- popup-->
164      <div id="gal6" class="pop-overlay animate">
165          <div class="popup">
166              <img src="images/aiktc4.jpeg" alt="Popup Image" class="img-
                    fluid" />
167
168              <a class="close" href="#gallery">&times;</a>
169          </div>
170        </div>
171      <!-- //popup -->
172
173        <!-- //gallery popups -->
174      </div>
175    </div>
176    <!-- //gallery -->
177
178
179    <!-- contact-->
180    <section class="contact py-5" id="contact">
181        <div class="container py-xl-5 py-lg-3">
182            <h3 class="title-w3 mb-sm-5 mb-4 text-center text-wh font-weight-
                  bold">Contact Us</h3>
183            <div class="contact_grid_right pt-4">
184                <form action="CU.php" method="post">
185                    <div class="row contact_left_grid">
186                        <div class="col-lg-6 con-left" data-aos="fade-up">
187                            <div class="form-group">
188                                <input type="text" name="name" id="name" class="
                                    form-input" placeholder="please enter your
                                    name" required="required" value=""/>
189                            </div>
190                            <div class="form-group">
191                                <input type="text" name="rollno" id="rollno"
                                    class="form-input" placeholder="please
                                    enter your RollNo" required="required"
                                    value=""/>
192                            </div>
193                            <div class="form-group">
194                                <input type="email" name="email" id="email"
                                    class="form-input" placeholder="please enter
                                     your email-id" required="required" value=""
                                    />
195                            </div>
196                            <div class="form-group">
197                                <textarea name="msg" id="msg" class="form-input"
                                     placeholder="leave your message here....."
                                    style="height:150px"></textarea>
198                            </div>
199                            <div class="sub-honey">
200                                <button class="form-input btn" type="submit">
                                    Submit</button>
201                            </div>
202                        </div>
203                    </div>
```

```html
204                    </form>
205                </div>
206            </div>
207        </section>
208        <!-- // contact -->
209
210        <!-- footer -->
211        <footer class="py-5">
212            <div class="container py-xl-4 py-lg-3">
213                <div class="row footer-grids">
214                    <div class="col-lg-2 col-6 footer-grid">
215                        <h3 class="mb-sm-4 mb-3">Navigation</h3>
216                        <ul class="list-unstyled">
217                            <li>
218                                <a href="index.html">Index</a>
219                            </li>
220                            <li>
221                                <a href="#about">About Us</a>
222                            </li>
223                            <li>
224                                <a href="#gallery">Our Gallery</a>
225                            </li>
226                        </ul>
227                    </div>
228                    <div class="col-lg-2 col-6 footer-grid">
229                        <h3 class="mb-sm-4 mb-3">Some More</h3>
230                        <ul class="list-unstyled">
231                            <li>
232                                <a href="register.html">Apply Now</a>
233                            </li>
234                            <li>
235                                <a href="#events">Notifications</a>
236                            </li>
237                        </ul>
238                    </div>
239                    <div class="col-lg-2 col-6 footer-grid footer-contact mt-lg-0 mt
                        -4">
240                        <h3 class="mb-sm-4 mb-3">Get In Touch</h3>
241                        <ul class="list-unstyled">
242                            <li>
243                                022-2748-1247 / 48 / 49
244                            </li>
245                            <li>
246                                <a href="mailto:info@example.com">aiktc.
                                    newpanvel@gmail.com</a>
247                            </li>
248                        </ul>
249                    </div>
250                </div>
251            </div>
252        </footer>
253        <!-- // footer -->
254        <!-- move top icon -->
255        <a href="#home" class="move-top text-center">
256            <span class="fa fa-angle-double-up" aria-hidden="true"></span>
257        </a>
258        <!-- //move top icon -->
259 </body>
260 </html>
```

6.2   Registration Module

This module is implemented using HTML, CSS and PHP. This module takes input from the user by using HTML form and stores the data of registration in the database for login the user to the system. The data entered in the login form is compared with the data stored in the database and if it matches then it gives access to he system.

Figure 6.4: Registration Module

Register.html

```
1  <!DOCTYPE HTML>
2  <html>
3
4  <head>
5      <meta charset="utf-8">
6      <meta http-equiv="X-UA-Compatible" content="IE=edge">
7      <title>Register</title>
8
9      <link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
10
11     <link href="css/style.css" rel='stylesheet' type='text/css' />
12
13     <link href="css/font-awesome.min.css" rel="stylesheet">
14
15     <script>
16
17         // Function to check Whether both passwords
```

```
18              // is same or not.
19              function checkPassword(form) {
20                  password1 = form.pass.value;
21                  password2 = form.cpass.value;
22
23                  // If password not entered
24                  if (password1 == '')
25                      alert ("Please enter Password");
26
27                  // If confirm password not entered
28                  else if (password2 == '')
29                      alert ("Please enter confirm password");
30
31                  // If Not same return False.
32                  else if (password1 != password2) {
33                      alert ("\nPassword did not match: Please try again ...")
34                      return false;
35                  }
36
37                  // If same return True.
38                  else{
39                      alert("Registeration Successful ...")
40                      return true;
41                  }
42              }
43          </script>
44  </head>
45
46  <body>
47
48      <!-- header -->
49
50      <header>
51          <div class="container">
52              <div class="header d-lg-flex justify-content-between align-items-
                    center py-2 px-sm-2 px-1">
53                  <!-- logo -->
54                  <div id="logo">
55                      <h1><a href="index.html">AIKTC</a></h1>
56                  </div>
57                  <!-- //logo -->
58                  <!-- nav -->
59                  <div class="nav_w3ls ml-lg-5">
60                      <nav>
61                          <ul class="menu">
62                              <li><a href="index.html">Home</a></li>
63                              <li><a href="index.html#events">Notifications </a></
                                li>
64                              <li><a href="index.html#about">About</a></li>
65                              <li><a href="index.html#contact">Contact </a></li>
66
67                          </ul>
68                      </nav>
69                  </div>
70                  <!-- //nav -->
71              </div>
72          </div>
73      </header>
74      <!-- //header -->
75
76      <!-- inner banner -->
```

```html
    <div class="inner-banner-w3ls py-5" id="home">
        <div class="container py-xl-5 py-lg-3">
            <!-- register -->
            <div class="modal-body mt-md-2 mt-5">
                <h3 class="title-w3 mb-5 text-center text-wh font-weight-bold">
                    Register Now</h3>
                <form action="reg.php" method="post" onSubmit = "return
                    checkPassword(this)">
                    <div class="form-group">
                        <label class="col-form-label">Username</label>
                        <input type="text" class="form-input" name="uname" id="
                            uname" placeholder="Your Roll No." required="
                            required">
                    </div>
                    <div class="form-group">
                        <label class="col-form-label">Email</label>
                        <input type="email" class="form-input" name="email" id="
                            email" placeholder="example@email.com" required="
                            required">
                    </div>
                    <div class="form-group">
                        <label class="col-form-label">Password</label>
                        <input type="password" class="form-input" name="pass" id
                            ="pass" placeholder="*****" required="required">
                    </div>
                    <div class="form-group">
                        <label class="col-form-label">Confirm Password</label>
                        <input type="password" class="form-input" name="cpass"
                            id="cpass" placeholder="*****" required="required">
                    </div>

                    <button type="submit" class="btn button-style-w3">Register </
                        button>
                    <script type="text/javascript" src="js/main.js"></script>
                </form>
            </div>
            <!-- //register -->
        </div>


    </div>
    <!-- //inner banner -->
</body>

</html>
```

Reg.php

```php
<?php
if($_POST)
{
    $name=$_POST['uname'];
    // $rollno=$_POST['rollno'];
    $email=$_POST['email'];
    $password=$_POST['pass'];

    $password=sha1($password);

    $con = mysqli_connect('localhost','root','root','aiktc');
```

```
12     if (!$con)
13      {
14         echo 'Could not connect:'
15         . mysqli_connect_error();
16      }
17
18     $query="Insert into register values ('$name','$email','$password')";
19         $result=mysqli_query($con,$query);
20     if(!$result){
21             echo "<br>".mysqli_error($con);
22         }
23         else{
24
25             header("Location:index.html");
26             echo '<br><h1>Your data is successfully Inserted.</h1>';
27         }
28 }
29
30     else{
31     header('Refresh:0, url=RegisteR.html');
32     }
33 ?>
```


Figure 6.5: Login

Login.html

```
1    <!DOCTYPE HTML>
2 <html>
3
4 <head>
```

```
5      <title >Home</title >

6

7

8      <link href="css/bootstrap.css" rel='stylesheet' type='text/css' />

9

10     <link href="css/style.css" rel='stylesheet' type='text/css' />

11

12     <link href="css/font-awesome.min.css" rel="stylesheet">

13     <style >

14  body {font-family: Arial, Helvetica, sans-serif;}

15

16  /* Full-width input fields */

17  input[type=text], input[type=password] {

18     width: 100%;

19     padding: 12px 20px;

20     margin: 8px 0;

21     display: inline-block;

22     border: 1px solid #ccc;

23     box-sizing: border-box;

24  }

25

26  /* Set a style for all buttons */

27  button {

28     background-color: #4CAF50;

29     color: white;

30     padding: 1px 20px;

31     margin: 3px 0;

32     border: none;

33     cursor: pointer;

34  }

35

36  button:hover {

37     opacity: 0.8;

38  }

39

40  /* Extra styles for the cancel button */

41  .cancelbtn {

42     width: auto;

43     padding: 10px 18px;

44     background-color: #f44336;

45  }

46

47  /* Center the image and position the close button */

48

49

50  .container {

51     padding: 16px;

52  }

53

54  span.psw {

55     float: right;

56     padding-top: 16px;

57  }

58

59  /* The Modal (background) */

60  .modal {

61     display: none; /* Hidden by default */

62     position: fixed; /* Stay in place */

63     z-index: 1; /* Sit on top */

64     left: 0;

65     top: 0;
```

```css
66    width: 100%; /* Full width */
67    height: 100%; /* Full height */
68    overflow: auto; /* Enable scroll if needed */
69    background-color: rgb(0,0,0); /* Fallback color */
70    background-color: rgba(0,0,0,0.4); /* Black w/ opacity */
71    padding-top: 60px;
72  }
73
74  /* Modal Content/Box */
75  .modal-content {
76    background-color: #fefefe;
77    margin: 5% auto 15% auto; /* 5% from the top, 15% from the bottom and centered
            */
78    border: 1px solid #888;
79    width: 80%; /* Could be more or less, depending on screen size */
80  }
81
82  /* The Close Button (x) */
83  .close {
84    position: absolute;
85    right: 25px;
86    top: 0;
87    color: #000;
88    font-size: 35px;
89    font-weight: bold;
90  }
91
92  .close:hover,
93  .close:focus {
94    color: red;
95    cursor: pointer;
96  }
97
98  /* Add Zoom Animation */
99  .animate {
100    -webkit-animation: animatezoom 0.6s;
101    animation: animatezoom 0.6s;
102  }
103
104  @-webkit-keyframes animatezoom {
105    from {-webkit-transform: scale(0)}
106    to {-webkit-transform: scale(1)}
107  }
108
109  @keyframes animatezoom {
110    from {transform: scale(0)}
111    to {transform: scale(1)}
112  }
113
114  /* Change styles for span and cancel button on extra small screens */
115  @media screen and (max-width: 300px) {
116    span.psw {
117      display: block;
118      float: none;
119    }
120    .cancelbtn {
121      width: 100%;
122    }
123  }
124  </style>
125  </head>
```

```html
126 <body>
127 <li><button onclick="document.getElementById('id01').style.display='block'"
        style="width:auto;">Login</button></li>
128                                 <div id="id01" class="modal">
129
130                                     <form class="modal-content animate" action
                                        ="sl.php" method="post">
131
132
133                                     <div class="container">
134                                         <label for="uname"><b>Username</b></
                                            label>
135                                         <input type="text" placeholder="Enter
                                            Username" name="name1" id="name1"
                                            required>
136
137                                         <label for="psw"><b>Password</b></
                                            label>
138                                         <input type="password" placeholder="
                                            Enter Password" name="pass" id="
                                            pass" required>
139
140                                         <button type="submit">Login</button>
141                                     </div>
142
143                                     <div class="container" style="background
                                        -color:#f1f1f1">
144                                         <!--button type="button" onclick="
                                            forgot-password.html" class="
                                            cancelbtn">Cancel</button-->
145                                         <a href="forgotPassword.php">Forgot
                                            Password?</a></span>
146                                         <span class="psw"><p>Don't have an
                                            account?</p>
147                                             <a href="register.html">Register</a
                                                ></span>
148                                     </div>
149                                         <script type="text/javascript" src="js/
                                            log.js"></script>
150                                     </form>
151                                 </div>
152
153                                 <script>
154                                 // Get the modal
155                                 var modal = document.getElementById('id01');
156
157                                 // When the user clicks anywhere outside of
                                    the modal, close it
158                                 window.onclick = function(event) {
159                                     if (event.target == modal) {
160                                         modal.style.display = "none";
161                                     }
162                                 }
163                                 </script>
164 </body>
165 </html>
```

sl.php

```php
1   <?php
```

```php
$con = mysqli_connect("localhost","root","root","aiktc");
if (!$con)
  {
  die('Could not connect: ' . mysqli_error());
  }
  $name=$_POST['name1'];
  $password=$_POST['pass'];

  $password=sha1($password);
  $cnf=mysqli_query($con,"select name,password from register where name='$name'
       and password='$password'");
  if(mysqli_num_rows($cnf)==1){
        echo"loged in";
        //redirect to the info page
        header("Location:Admission.html");
  }
  else{

        //redirect to the loginpage of user login
        header("Location:index.html");
        echo 'not loged in';
  }

?>
```

6.3   Notification

This module is implemented using HTML, CSS and PHP. This module displays the important notifications to students on the system. The notifications can only uploaded by faculties or administration.
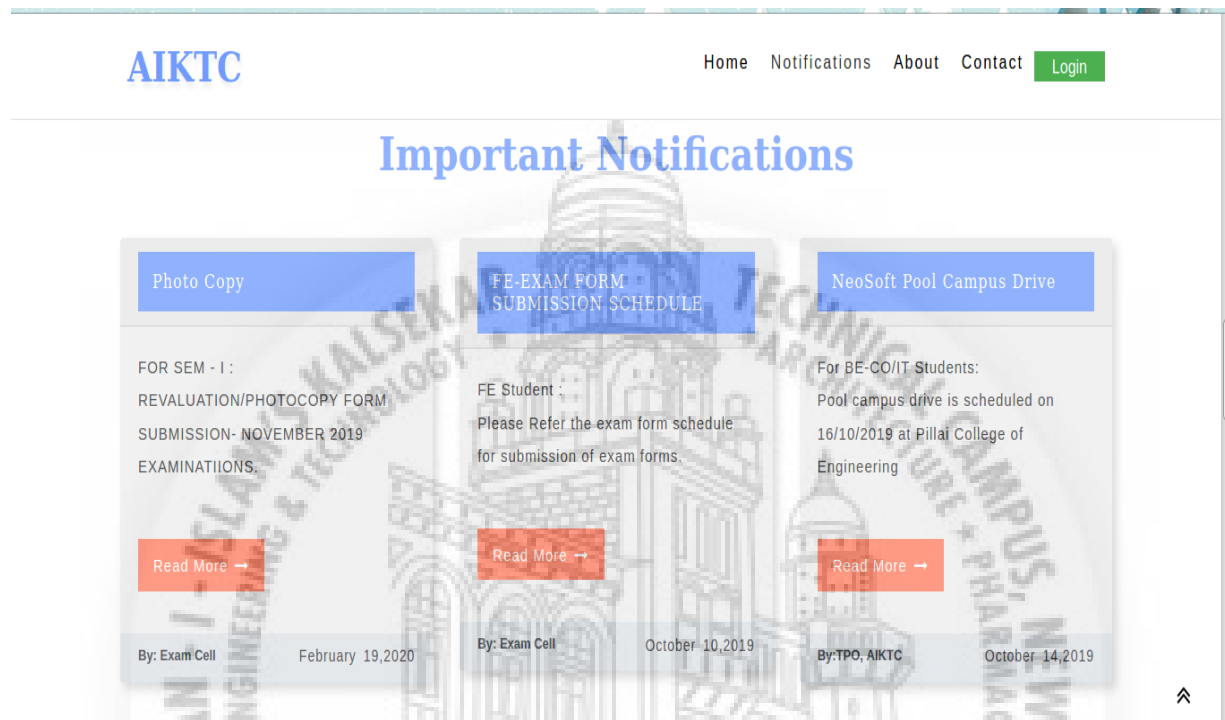

Figure 6.6: Notification Module

```
1    <section class="blog_w3ls py−5" id="events">
2        <div class="container py−xl−5 py−lg−3">
3            <h3 class="title−w3 mb−5 text−center font−weight−bold">Important
                Notifications </h3>
4            <div class="row mt−4">
5                <!−− blog grid −−>
6                <div class="col−lg−4 col−md−6 mt−lg−0 mt−5">
7                    <div class="card">
8                        <div class="card−header m−0">
9                            <h5 class="blog−title card−title m−0">
10                               <a href="single.html">Photo Copy</a>
11                           </h5>
12                       </div>
13                       <div class="card−body">
14                           <p class="text−left">FOR SEM − I : <br>
15                           REVALUATION/PHOTOCOPY FORM SUBMISSION− NOVEMBER 2019
                               EXAMINATIIONS. </p>
16                           <a class="service−btn mt−xl−5 mt−4 btn" href="http
                                   ://aiktcexamcell.blogspot.com/2020/02/notice−fe−
                                   sem−i−sem−i.html" target="_blank">Read More<span
                                   class="fa fa−long−arrow−right ml−2"></span></a>
17                       </div>
18                       <div class="card−footer blog_w3icon border−top pt−2 mt−3
                               d−flex justify−content−between">
19                           <small class="text−bl">
```

```
20                          <b>By: Exam Cell </b>
21                      </small>
22                      <span>
23                          February 19,2020
24                      </span>
25                  </div>
26              </div>
27          </div>
28          <!-- //blog grid -->
29          <!-- blog grid -->
30          <div class="col-lg-4 col-md-6 mt-lg-0 mt-5">
31              <div class="card">
32                  <div class="card-header m-0">
33                      <h5 class="blog-title card-title m-0">
34                          <a href="single.html">FE-EXAM FORM SUBMISSION
                              SCHEDULE</a>
35                      </h5>
36                  </div>
37                  <div class="card-body">
38                      <p class="text-left">FE Student :<br>Please Refer
                          the exam form schedule for submission of exam
                          forms.</p>
39                      <a class="service-btn mt-xl-5 mt-4 btn" href="http
                          ://aiktcexamcell.blogspot.com/2019/10/notice-fe-
                          exam-form-submission-schedule.html" target="
                          _blank">Read More<span class="fa fa-long-arrow-
                          right ml-2"></span></a>
40                  </div>
41                  <div class="card-footer blog_w3icon border-top pt-2 mt-3
                      d-flex justify-content-between">
42                      <small class="text-bl">
43                          <b>By: Exam Cell </b>
44                      </small>
45                      <span>
46                          October 10,2019
47                      </span>
48                  </div>
49              </div>
50          </div>
51          <!-- //blog grid -->
52          <!-- blog grid -->
53          <div class="col-lg-4 col-md-6 mt-lg-0 mt-5">
54              <div class="card">
55                  <div class="card-header m-0">
56                      <h5 class="blog-title card-title m-0">
57                          <a href="single.html">NeoSoft Pool Campus Drive
                              </a>
58                      </h5>
59                  </div>
60                  <div class="card-body">
61                      <p class="text-left">For BE-CO/IT Students:<br>
62                      Pool campus drive is scheduled on 16/10/2019 at
                          Pillai College of Engineering </p>
63                      <a class="service-btn mt-xl-5 mt-4 btn" href="https
                          ://docs.google.com/forms/d/e/1
                          FAIpQLSd_s5VTHKOT72mEwMpc_Q5SkLs40Tl_gdaBQAlNrTVKg8xwVA
                          /viewform?usp=pp_url" target="_blank">Read More<
                          span class="fa fa-long-arrow-right ml-2"></span
                          ></a>
64                  </div>
65                  <div class="card-footer blog_w3icon border-top pt-2 mt-3
```

```
                              d-flex  justify-content-between">
66                            <small  class="text-bl">
67                                <b>By:TPO,  AIKTC </b>
68                            </small>
69                            <span>
70                                October  14,2019
71                            </span>
72                        </div>
73                    </div>
74                </div>
75                <!-- // blog  grid  -->
76            </div>
77
78        </div>
79    </section>
```

6.4   Academics

In this module students have to fill the admission form and the details about the academics. This form is developed using the HTML, CSS and PHP.

Figure 6.7: Academics Module

Admission.html

```html
1
2  <!DOCTYPE HTML>
3  <html>
4
5  <head>
6      <meta charset="utf-8">
7      <meta http-equiv="X-UA-Compatible" content="IE=edge">
8      <title>Admission Form</title>
9
10     <link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
11
12     <!--link href="css/style.css" rel='stylesheet' type='text/css' /-->
13
14     <link href="css/font-awesome.min.css" rel="stylesheet">
15
16     <script type="text/javascript" src="js/main.js"></script>
17     <style>
18 body {background-image: url('images/banner.jpg');}
19
20 /* Chrome, Safari, Edge, Opera */
21 input::-webkit-outer-spin-button,
22 input::-webkit-inner-spin-button {
23   -webkit-appearance: none;
24   margin: 0;
25 }
26
27 /* Firefox */
28 input[type=number] {
29   -moz-appearance: textfield;
30 }
31 /* Full-width input fields */
32 input[type=text], input[type=password], input[type=number], input[type=email] {
33   width: 100%;
34
35   display: block;
36   border: 1px solid #ccc;
37   box-sizing: border-box;
38 }
39
40 /* Set a style for all buttons */
41 button {
42   background-color: #4CAF50;
43   color: white;
44   padding: 1px 20px;
45   margin: 3px 0;
46   border: none;
47   cursor: pointer;
48 }
49
50 button:hover {
51   opacity: 0.8;
52 }
53
54 .container1 {
55   padding: 16px;
56 }
57
58 h3{
59     margin-top: 2%;
60     text-align: center;
```

```
61      font−size: 40px;
62      color: white;
63  }
64
65  fieldset{
66
67      margin: 2% 10% 5% 10%;
68
69      padding: 0% 10% 2% 10%;
70  }
71
72  select{
73      width: 100%;
74      background−color: white;
75      height: 30px;
76  }
77  label{
78      color: white;
79  }
80  nav>ul li{
81      display: inline−block;
82      list−style: none;
83      text−transform: capitalize;
84      font−weight: 400;
85      font−size: 16px;
86      margin: 0 12px;
87      letter−spacing: 2px;
88  }
89  nav>ul li a{
90
91
92      color:#000;
93      }
94  </style>
95  </head>
96
97  <body>
98
99      <!−− header −−>
100
101     <header style="background−color: white;">
102         <div class="container">
103             <div class="header d−lg−flex justify−content−between align−items−
                    center py−2 px−sm−2 px−1">
104                 <!−− logo −−>
105                 <div id="logo">
106                     <h1><a href="index.html">AIKTC</a></h1>
107                 </div>
108                 <!−− // logo −−>
109                 <!−− nav −−>
110                 <div>
111                     <nav>
112                         <ul>
113                             <li><a href="Academics.html">Academics</a></li>
114                             <li><a href="index.html">Logout</a></li>
115                         </ul>
116                     </nav>
117                 </div>
118                 <!−− // nav −−>
119             </div>
120         </div>
```

```
121     </header>
122     <!-- // header -->
123
124                 <h3><b>Admission Form</b></h3>
125                 <fieldset>
126                 <form action="admission.php" method="post">
127
128                     <div class="container1">
129                         <label class="col-form-label">First Name</label>
130                         <input type="text" class="form-input" name="fname" id="
                            fname" placeholder="your First name" required="
                            required">
131
132                         <label class="col-form-label">Last Name</label>
133                         <input type="text" class="form-input" name="lname" id="
                            lname" placeholder="your Last name" required="
                            required">
134
135
136                         <label class="col-form-label">Email</label>
137                         <input type="email" class="form-input" name="email" id="
                            email" placeholder="example@email.com" required="
                            required">
138
139                         <label class="col-form-label">Mobile No.</label>
140                         <input type="number" class="form-input" name="mob" id="
                            mob" placeholder="" required="required">
141
142                         <label class="col-form-label">Address</label>
143                         <input type="text" class="form-input" name="address1" id
                            ="address1" placeholder="" required="required">
144
145                         <label class="col-form-label">Country</label><br>
146                         <select name="country" class="countries" id="countryId"
                            required="required">
147                         <option value="">Select Country</option>
148                     </select><br>
149
150                         <label class="col-form-label">State</label><br>
151                         <select name="state" class="states" id="stateId"
                            required="required">
152                         <option value="">Select State</option>
153                     </select><br>
154
155                         <label class="col-form-label">City</label><br>
156                         <select name="city" class="cities" id="cityId" required=
                            "required">
157                         <option value="">Select City</option>
158                     </select>
159                     <script src="//ajax.googleapis.com/ajax/libs/jquery
                            /1.11.1/jquery.min.js"></script>
160                     <script src="//geodata.solutions/includes/
                            countrystatecity.js"></script><br>
161
162                         <label class="col-form-label">Pincode</label>
163                         <input type="number" class="form-input" name="pin" id="
                            pin" placeholder="" required="required">
164
165                         <label class="col-form-label">SSC Marks</label>
166                         <input type="secimal" class="form-input" name="ssc" id="
                            ssc" placeholder="%" required="required">
```

```
167
168                          <label class="col-form-label">HSC Marks</label>
169                          <input type="decimal" class="form-input" name="hsc" id="
                                 hsc" placeholder="%" required="required">
170
171                          <label class="col-form-label">Diploma Marks</label>
172                          <input type="text" class="form-input" name="dip" id="dip
                                 " placeholder="% or NA for not valid" required="">
173                    </div>
174
175
176                    <button type="submit" class="btn button-style-w3">Submit</
                              button>
177              <a href="record.php" class="btn button-style-w3">&laquo;
                        View Record</a>
178              <script type="text/javascript" src="js/admission.js"></
                        script>
179                    </form>
180              </fieldset>
181
182         <!-- //register -->
183
184
185
186
187    <!-- //inner banner -->
188
189 </body>
190
191 </html>
```

Admission.php

```
1    <!DOCTYPE HTML>
2 <html>
3
4 <head>
5     <meta charset="utf-8">
6     <meta http-equiv="X-UA-Compatible" content="IE=edge">
7     <title>Data</title>
8
9     <link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
10
11     <!--link href="css/style.css" rel='stylesheet' type='text/css' /-->
12     <link href="css/style1.css" rel='stylesheet' type='text/css' />
13
14   <script type="text/javascript" src="js/main.js"></script>
15
16    <style>
17    body {background-image: url('images/banner.jpg');}
18
19 button {
20   background-color: #4CAF50;
21   color: white;
22   padding: 1px 20px;
23   margin: 3px 30px;
24   border: none;
25   cursor: pointer;
26
27 }
```

```
28
29  button:hover {
30      opacity: 0.8;
31  }
32
33      h3{
34        margin-top: 2%;
35        text-align: center;
36        font-size: 40px;
37        color: white;
38  }
39          nav>ul li{
40      display: inline-block;
41       list-style: none;
42      text-transform: capitalize;
43       font-weight: 400;
44       font-size: 16px;
45       margin: 0 12px;
46       letter-spacing: 2px;
47  }
48  nav>ul li a{
49      color:#000;
50  }
51  .container1 {
52    padding: 16px;
53  }
54
55  table{
56      position: fixed;
57      margin: 0% 10% 0% 10%;
58  }
59  th, td {
60      text-align: center;
61  }
62  th{
63      background-color: #ffb3b3;
64  }
65
66  </style>
67  </head>
68
69  <body>
70
71      <!-- header -->
72
73      <header style="background-color: white;">
74          <div class="container">
75              <div class="header d-lg-flex justify-content-between align-items-
                    center py-2 px-sm-2 px-1">
76                  <!-- logo -->
77                  <div id="logo">
78                      <h1><a href="index.html">AIKTC</a></h1>
79                  </div>
80                  <!-- //logo -->
81                  <!-- nav -->
82                  <div class="nav_w3ls ml-lg-5">
83                      <nav>
84                          <ul class="menu">
85                              <li><a href="index.html">Logout </a></li>
86                          </ul>
87                      </nav>
```

```
88                          </div>
89                          <!-- // nav -->
90                      </div>
91              </div>
92          </header>
93      <!-- // header -->
94
95      <!-- inner banner -->
96
97
98                      <h3><b>Your Data </b></h3>
99                      <form action="admission.php" method="post">
100                         <div class="table1">
101  <?php
102  // include "inc/include.html";
103  // require_once 'functions.php';
104  if($_POST)
105  {
106    $Fname=$_POST['fname'];
107    $Lname=$_POST['lname'];
108    $Email=$_POST['email'];
109      $Mobile=$_POST['mob'];
110      $Address1=$_POST['address1'];
111      $Country=$_POST['country'];
112      $State=$_POST['state'];
113      $City=$_POST['city'];
114      $Pin=$_POST['pin'];
115
116      $Ssc=$_POST['ssc'];
117      $Hsc=$_POST['hsc'];
118      $Diploma=$_POST['dip'];
119
120
121      $con = mysqli_connect('localhost','root','root','aiktc');
122      if (!$con)
123       {
124          echo 'Could not connect:'
125          . mysqli_connect_error();
126       }
127
128      $query="Insert into admission values ('$Fname','$Lname','$Email','$Mobile','
             $Address1','$Country','$State','$City','$Pin','$Ssc','$Hsc','$Diploma')"
             ;
129          $result=mysqli_query($con,$query);
130      if(!$result){
131              echo "<br>".mysqli_error($con);
132          }
133          else{
134
135              $mysqli = new mysqli("localhost", "root", "root","aiktc");
136
137
138                  if ($mysqli->connect_error) {
139                      die("Connection failed: " . $mysqli->connect_error);
140                  }
141
142                  $query="Select * from admission where Email='$Email'";
143
144                  $result=mysqli_query($mysqli,$query);
145
146                  echo"<table>
```

```
147                         <tr>
148                         <th>First Name</th>
149                         <th>Last Name</th>
150                         <th>Email</th>
151                         <th>Mobile No</th>
152                         <th>Address</th>
153                         <th>Country</th>
154                          <th>State</th>
155                         <th>City</th>
156                         <th>Pincode</th>
157                         <th>SSC</th>
158                         <th>HSC</th>
159                         <th>Diploma</th>
160                         </tr>";
161                         while($row=mysqli_fetch_row($result)){
162                         echo "<tr>
163                         <td>$row[0]</td>
164                         <td>$row[1]</td>
165                         <td>$row[2]</td>
166                         <td>$row[3]</td>
167                         <td>$row[4]</td>
168                         <td>$row[5]</td>
169                         <td>$row[6]</td>
170                         <td>$row[7]</td>
171                         <td>$row[8]</td>
172                         <td>$row[9]</td>
173                         <td>$row[10]</td>
174                         <td>$row[11]</td>
175                         </tr>";
176                         }
177                         echo"</table>";
178
179                 //header("Location:login.html");
180                     //echo '<br><h1>Your data is successfully Inserted.</h1>';
181             }
182 }
183
184     else{
185     header('Refresh:0, url=Academics.html');
186     }
187 ?>
188 <br>
189 <button class="btn button-style-w3"><a href="Academics.html"></a> Next</button>
190 </div>
191 </form>
192 </div>
193 </div>
194 </div>
195 </body>
196 </html>
```

Figure 6.8: Academics Module

Academics.html

```
1    <!DOCTYPE HTML>
2  <html>
3
4  <head>
5      <meta charset="utf-8">
6      <meta http-equiv="X-UA-Compatible" content="IE=edge">
7      <title>Admission Form</title>
8
9      <link href="css/bootstrap.css" rel='stylesheet' type='text/css' />
10
11     <!--link href="css/style.css" rel='stylesheet' type='text/css' /-->
12
13     <link href="css/font-awesome.min.css" rel="stylesheet">
14
15     <style>
16  body {background-image: url('images/banner.jpg');}
17
18  /* Chrome, Safari, Edge, Opera */
19  input::-webkit-outer-spin-button,
20  input::-webkit-inner-spin-button {
21    -webkit-appearance: none;
22    margin: 0;
23  }
24
25  /* Firefox */
26  input[type=number] {
27    -moz-appearance:textfield;
28  }
29  /* Full-width input fields */
30  input[type=text], input[type=password],input[type=number],input[type=email] {
31    width: 100%;
32
33    display: block;
```

```css
34    border: 1px solid #ccc;
35    box-sizing: border-box;
36 }
37
38 /* Set a style for all buttons */
39 button {
40    background-color: #4CAF50;
41    color: white;
42    padding: 1px 20px;
43    margin: 3px 0;
44    border: none;
45    cursor: pointer;
46 }
47
48 button:hover {
49    opacity: 0.8;
50 }
51
52 .container1 {
53    padding: 16px;
54 }
55
56 h3{
57        margin-top: 2%;
58        text-align: center;
59        font-size: 40px;
60        color: white;
61 }
62
63 fieldset{
64
65        margin: 2% 10% 5% 10%;
66
67        padding: 0% 10% 2% 10%;
68 }
69
70 select{
71        width: 100%;
72        background-color: white;
73        height: 30px;
74 }
75 label{
76        color: white;
77 }
78 nav>ul li{
79    display: inline-block;
80     list-style: none;
81    text-transform: capitalize;
82    font-weight: 400;
83    font-size: 16px;
84    margin: 0 12px;
85    letter-spacing: 2px;
86 }
87 nav>ul li a{
88        color:#000;
89        }
90 </style>
91 </head>
92
93 <body>
94     <!-- header -->
```

```
95
96    <header style="background-color: white;">
97        <div class="container">
98            <div class="header d-lg-flex justify-content-between align-items-
                  center py-2 px-sm-2 px-1">
99                <!-- logo -->
100               <div id="logo">
101                   <h1><a href="index.html">AIKTC</a></h1>
102               </div>
103               <!-- //logo -->
104               <!-- nav -->
105               <div>
106                   <nav>
107                       <ul>
108                           <li><a href="Academics.html">Academics</a></li>
109                           <li><a href="index.html">Logout</a></li>
110                       </ul>
111                   </nav>
112               </div>
113               <!-- //nav -->
114           </div>
115       </div>
116   </header>
117   <!-- //header -->
118               <h3><b>Academics Info</b></h3>
119               <form action="Academics.php" method="post">
120                   <fieldset>
121
122
123               <label class="col-form-label">Roll No</label><br>
124                   <input type="text" name="rollno" id="rollno" class="form-
                      input" placeholder="please enter your roll no" required=
                      "required" value=""/>
125
126               <label for="dept" class="col-form-label">Department</label>
127               <select name="dept" id="dept" class="form-input" required="
                  required">
128               <option value="">Select Department</option>
129               <option value="CO">Computer</option>
130               <option value="CE">Civil</option>
131               <option value="ME">Mechanical</option>
132               <option value="EE">Electrical</option>
133               <option value="EXTC">Electronics & Telecommunications</
                  option>
134               </select>
135
136
137               <label for="year" class="col-form-label">Year </label>
138               <select name="year" id="year" class="form-input" required="
                  required">
139               <option value="">Select Year</option>
140               <option value="FE">FE</option>
141               <option value="SE">SE</option>
142               <option value="TE">TE</option>
143               <option value="BE">BE</option>
144               </select>
145
146               <label for="sem" class="col-form-label">Semester: </label>
147               <select name="sem" id="sem" size="1" class="form-input"
                      required="required">
148               <option value="">Select Semester</option>
```

```html
149                            <option value="1">I</option>
150                            <option value="2">II</option>
151                            <option value="3">III</option>
152                            <option value="4">IV</option>
153                            <option value="5">V</option>
154                            <option value="6">VI</option>
155                            <option value="7">VII</option>
156                            <option value="8">VIII</option>
157                      </select>

159                      <label for="batch" class="col-form-label">Batch </label>
160                      <select name="batch" id="batch" class="form-input" required=
                          "required">
161                      <option value="">Select Batch</option>
162                      <option value="B1">Batch 1</option>
163                      <option value="B2">Batch 2</option>
164                      <option value="B3">Batch 3</option>
165                      <option value="B4">Batch 4</option>
166                      </select>
167                      <br>
168                      <button type="submit" class="btn button-style-w3">Submit </
                          button>
169                  </fieldset>
170              </form>
171   </body>
172   </html>
```

Academics.php

```php
1    <?php
2
3    $rollno=$_POST['rollno'];
4    $dept=$_POST['dept'];
5    $year=$_POST['year'];
6    $sem=$_POST['sem'];
7    $batch=$_POST['batch'];
8
9    $con = mysqli_connect('localhost','root','root','aiktc');
10       if (!$con)
11       {
12           echo 'Could not connect:'
13           . mysqli_connect_error();
14       }
15
16       $d=mysqli_query($con,"INSERT INTO academics values ('$rollno','$sem','$dept
            ','$year','$batch')");
17
18       if(!$d){
19         echo "Something went wrong Please Try Again";
20         //header("Location:Info.html");
21         header(error_log(message));
22       }
23       else{
24         echo "Your Data is Entered Successfully";
25
26       }
27
28   ?>
```

Chapter 7

System Testing

System testing is a level of software testing where a complete and integrated software is tested. The purpose of this test is to evaluate the system's compliance with the specified requirements.

7.1 Test Cases and Test Results

Test ID	Test Case Title	Test Condition	System Behavior	Expected Result
T01	Registration	Register and Login	Registered and login successfully	Login to system
T02	Notification	Add Notice	Notice stored	Notice Displayed on system
T03	Admission Form	Filling admission form	accept data	Store data to database

7.2 Sample of a Test Case

Title: Login Page – Authenticate Successfully through database
Description: A registered user should be able to successfully login at the system.

Precondition: The user must already be registered with an roll number, email address and password.
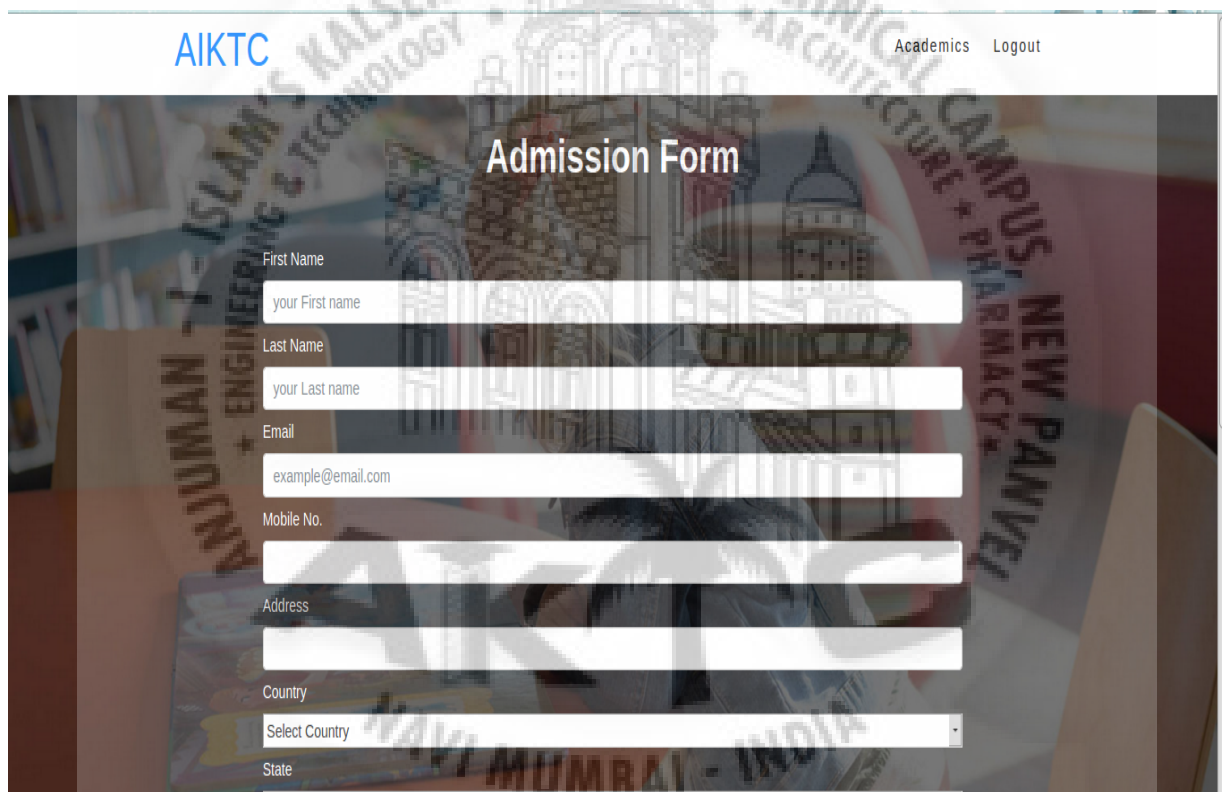
Assumption: An supported browser is being used.

Test Steps:

1. Click on login button on navigation bar.

2. Enter the username and password.

3. Click the 'Login'.

   Expected Result: A page displaying the admission form to fill by the student.

   Actual Result: Login Successfully and Admission form appears to fill.

7.2.1   Software Quality Attributes

Availability-1 : The system shall be available to users all the time.
Availability-2 : The system shall always have something to function and always pop up error messages in case of component failure.
Efficiency-1 : The system should get load easily when it opens by user.
Efficiency-2 : The system shall provide the right tools to support all its features.

Chapter 8

Screenshots of Project

8.1   Main Page

AIKTC

Home Notifications About Contact Login
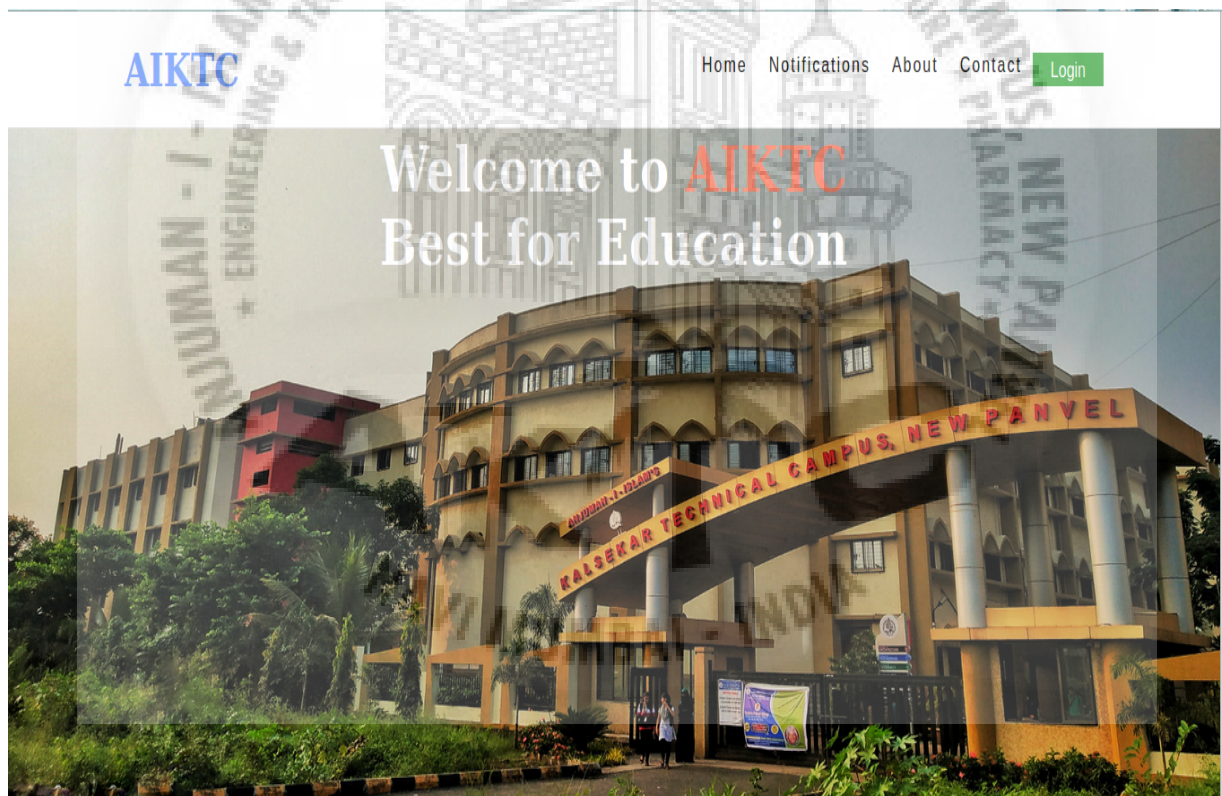
About Us

WELCOME TO AIKTC CAMPUS

Established in 2011, AIKTC is spread over 10.50 acres of virgin land with more than 2.36 lakh sq.ft of built-up area and still expanding. Its is (minority institution) built to provide an integrated learning environment for students from all communities.

It is an outstanding technological campus where students are trained & taught by qualified teachers and trainers to attain their full potential. AIKTC provides Best of Facilities for quality education, research and practice in all the professional Programmes in Engineering & Technology, Pharmacy and Architecture, ranging from Diploma to Degree to Post Graduate

AIKTC

Home Notifications About Contact Login

Our Gallery

8.2 Notification

8.3 Contact Us

8.4 Login

8.5 Registration

8.6   Admission Form

8.7 Academics

Chapter 9

Conclusion and Future Scope

9.1 Conclusion

- Teachers can manage attendance using student information system . So that paperwork can be eliminated.

- Generate attendance reports any time which allows teachers to know student is eligible to attend the exams or not.

- Students as well as parents can track grades effortlessly.

- Thus the project is the user friendly approach.

9.2 Future Scope

The future scope of the system will be as follows:

- The proposed system can be improved by adding automatic roll number generator.

- By merging the exam cell data we can display the results of students.

References

[1] *College Student Management System Design Using Computer Aided System*; L. Meng, International Conference on Intelligent Transportation, Big Data and Smart City, Halong Bay, (2015, pp. 212-215)

[2] *Development of a Student Database Management System for a University*; Dr. K. Venkata Subbiah, D. Dinesh, Ch Suresh, Dr. K. VenkataSubbiah.et al. Int. Journal of Engineering Research and Application, (August 2016)

[3] *Web Based Student Information Management System*; S.R.Bharamagoudar, Geeta R.B., S.G.Totad, International Journal of Advanced Research in Computer and Communication Engineering, (June 2013)

[4] Student Information System, *IITMS*; `https://www.iitms.co.in/products/studentinformation-system-sis/`, (December 2019)

Achievements

1. Publications

   (a) *STUDENT INFORMATION SYSTEM*; Prof.Apeksha M. Gopale, Kharmale Akshay, Khan Nayaab, Siddiqui Shamshad, "International Journal of Scientific Research and Engineering Trends", September2020 (`https://ijsret.com/2020/09/12/ijsret-volume-6-issue-5-sep-oct-2020/`)

2. Project Competitions

   (a) *STUDENT INFORMATION SYSTEM*; Kharmale Akshay Kans, Khan Nayaab, Siddiqui Shamshad, "6th National Level Project Exhibition cum Poster Presentation" , March 2020 (Venue : Universal College of Engineering)

International Journal of Scientific Research and Engineering Trends (IJSRET)

This is to certify that
Kharmale Akshay Kans
has published a paper entitle
"Student Information System"
in International Journal of Scientific Research and
Engineering Trends, in Volume 06, Issue 05, Sept–Oct
2020, Page 2853-2857

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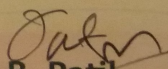In association with
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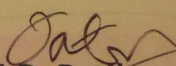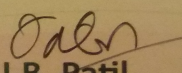
"6th National Level Project Exhibition cum Poster Presentation"

Certificate of Participation

This is to certify that Ms./Mr. ....AKSHAY. KHARMALE.............................

of ...ANJUMAN-I-ISLAM KALSEKAR TECHNICAL CAMPUS.................. has

participated in the "6th National Level Project Exhibition cum Poster
Presentation"

Date: 13th March 2020

Dr. J.B. Patil
(Campus Director)