

A PROJECT REPORT

ON

“ALUMNI PRESS”

Submitted in partial fulfillment of the requirements
of the degree of

Bachelor of Engineering

in

Electronics and Telecommunication

by

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University of Mumbai
2018-19

CERTIFICATE



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This is to certify that the project entitled “ **ALUMNI PRESS** ” is a bonafide work of **KHAN SHAKIB SUFEEL (15ET31)**, **TURKI MOHD SOHAIL JAVED (15ET47)**, **AZAR MAJID RASHID (16DET53)**, **KHAN AKBAR FARUQ (16DET59)** submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the degree of Bachelor of Engineering in Department of Electronics and Telecommunication Engineering.

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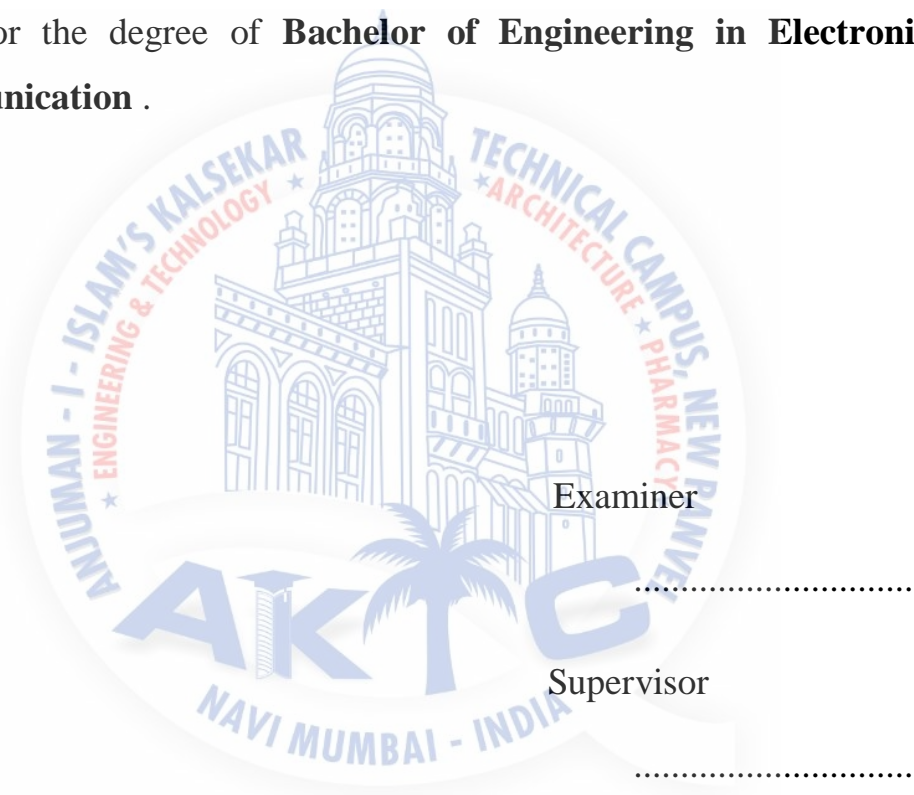
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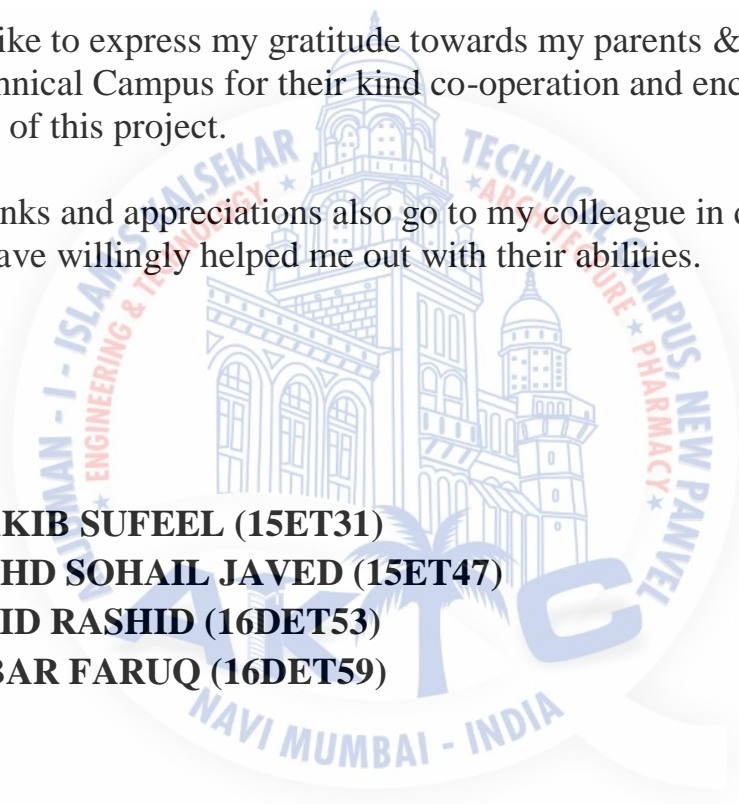
We My thanks and appreciations also go to my colleague in developing the project and people who have willingly helped me out with their abilities.

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Abstract

Alumni Press is providing common platform for every institute. Owing to the need to have all the Alumni (already passed out students) must be connected to the Institute, resulted in sharing their experiences , views , ideas, guidance , motivations and strategies. The objective of Alumni Press application is to allow old and new students of the college to communicate with each other. This allows students to know about each other and their current activities. This press highlights the feature of communication, which will enable the current students to have interaction with the alumni of the college for getting various updates on current industry trends, projects and various referral opening in the corporate world. This portal will serve the cause of integrating all the stakeholders of Institute such as , Alumni, College students , Faculties to avail the guidance and knowledge sharing on various domains. In this project we proposed the Dynamic Architectural design of the Reunite Portal, which enable the two way communication between all stakeholders.

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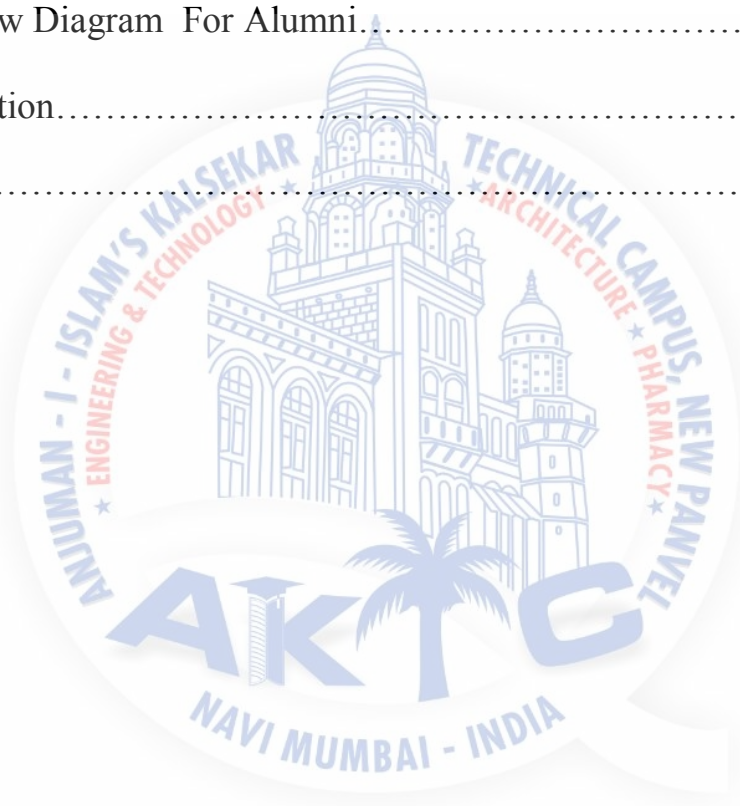
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Chapter 1

Project Overview

1.1 Introduction

We are formulating the best alumni web portal which will facilitate effective communication platform through online chatting, profile viewing and personal messaging within three stake- holders of the institute viz- College , College students , Alumni[1].

This portal will be providing direct contact of the alumni with the students as well as the staff members. The desired query of the existing students will be answered faster. This keeps the students updated with the current updates and demands of the industrial market. The students neither posting nor chatting can also silently be updated with the ongoings in the college as well as the market[2].

This portal highlights the feature of communication, which will enable the current students to have interaction with the alumni of the college for getting various updates on current industry trends, Internship opportunity, sponsored projects and various referral opening in the corporate world [3]. This portal will serve the cause of integrating all the stakeholders of Institute such as , Alumni, College students , Faculties to avail the guidance and knowledge sharing on various domains. In this project we proposed the Dynamic Architectural design of the Alumni portal, which enable the two way communication between all stakeholders.

1.1.1 Motivation

- Although our college website is quite attractive but it lacks with the feature of communication with the alumnis.
- This creates a problem for the current students in terms of guidance , internships , industrial knowledge.It also lacks the instant solution to the problem which are related to education and career.
- It does not provide any idea about the news and current status of jobs in different companies and industry.



1.2 Proposed System Architecture

This proposed system architecture consists of three layers in which user interface acts as a middleware. The user can interact with the system with the help of user interface.

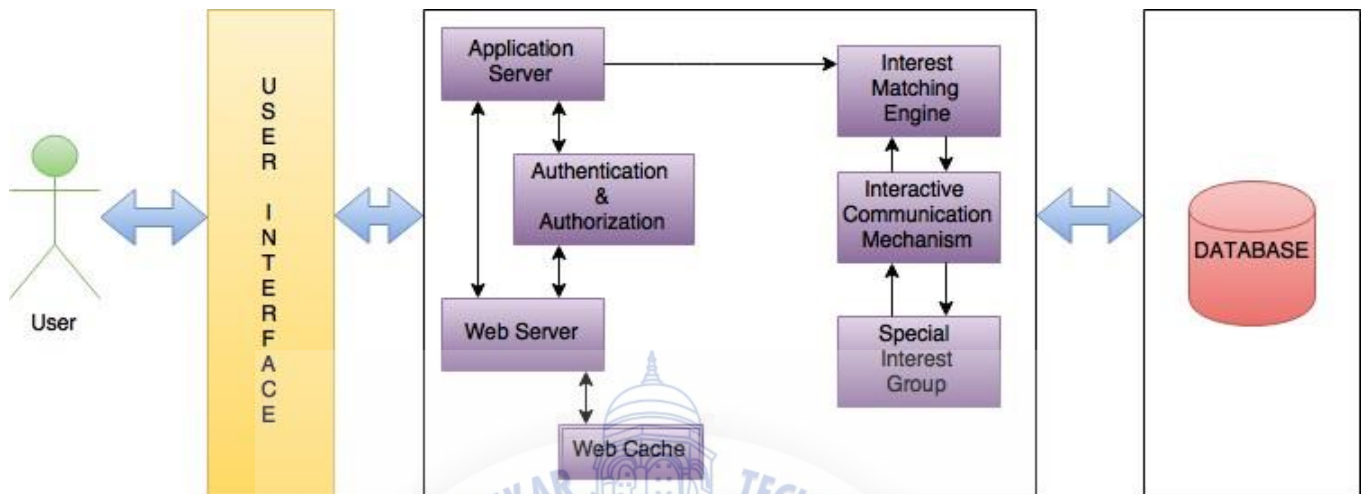


Figure 1.1: System Architecture

The explanation of the above architecture is as follows: User first interacts with the system through the web address of alumni portal (alumni.aiktc.org)

Dynamic Architecture: It consists of Application server which is used to facilitate the application management in term of interest matching area, Interactive communication mechanism and Special interest group that is connected to the web application and indirectly to the web cache. After login of the students their user name and password are authenticated by the authentication module. The authentication module first verify from the web application and then give the access to the user.

Interest matching Area: Based upon the question rise from both the side (Students/Expertise/Alumni Students) about their interest area it shows list of expertise in particular area and user will able to know as per the requirement.

Database: Database is used for storing the details fetched from the different modules of the websites by the Phpmyadmin.

1.2.1 Formulation of Problem With using Technology

Now a days the education became one of the desired need of the peple, but unfortunately what if the student is sincere but unaware about the current market status and the market requirement.

This is the major problem with the students that they are unable to get more and more information about the surrounding "Whats going on..?" The Problem occurred with the students at the time of career guidance, Project title selection, Internships, Domain related queries, any query related to the syllabus or something which is very new concept for them etc.

Because of the lack of knowledge the student decides with their own ways may wrong or right. If luckily they got the desired goal then no issue but imagine what if they have selected something very wrong. After the wrong choice the thing which has been done is only the wastage of time. Always remember "Your golden advice can save others precious times."

The proposed architecture, by making use of Phpcode, offers a solution to those problems.. Problem can be solve by reducing the distance between the students with their alumni and the faculties so that they can get the correct guidance or the advice and can utilise their time in best way.

The implemented Alumni Portal will provide the features like chat, post, department wise chat and be able to connect with all the alumni students and the faculties also.

Chapter 2

Literature Review

2.1 Harvard Alumni-(www.alumni.harvard.edu)

- Front page of this portal shows the features like login tab so that the alumnus can login easily , ways to connect for connecting the junior and the pass out students ,make gift for various occasions like birthdays or anything else.
- With that Harvard provides Features News for surrounding informations , Lecture details which describes the schedule , events and the Notice are displayed on home page itself with the present event.
- Also gives the Donor Initiative Chance for the scenario when the alumni student he/she feels that they can help the college in terms of donation so that will be possible with this.
- With all this we have observe the unique feature that , it provides the clubbed video on the home page and this thing makes the whole portal very much attractive.

2.2 IIT Kanpur Alumni-(www.alumni.iitkanpur.edu)

- IIT has Gallery with many images , Lectures details with specific day and time , contacts which shows whom all are connected with this portal, woman alumni convention as separate for the woman only on the Home page.
- Features are Gallery present on the home page , visit for guide allocations is

given so that the junior student can get the solution or the advice for their difficulties .

- Notice with highlighted form is shown for better visualization also gives the Donor.
- IIT Kanpur shows information events about present on every page where the current events are highlighted also there is a separate women alumni convention and that is the unique feature.



2.3 Alumni Princeton University-(www.alumni.princeton.edu)

- This portal has different things in their front page like Calendar for the current and the in coming occasions and in order to get about their own informations there is a tab i.e. About usa.
- This portal is provides the features that is same as the IIT KANPUR like Gallery present on the home page , visit for guide allocations is given so that the junior student can get the solution or the advice for their difficulties.
- But the different thing is that this portal provides the scholar ship in terms of donor initiative for the collage requirement purpose.
- Providing the unique feature like the alumnus are categorized on the basis of regions communities of networks so that the students who belongs to the same area will get listed together.

2.4 ITMB Alumni Association -(www.alumni.itmb.edu)

- In the home page this portal shows the search tab for searching the alumni student whether he/she is connected in the portal or not .
- provides the similar features like all portals HARVARD ALUMNI PORTAL , IIT KAN- PUR, Alumni Princeton University.
- The notice are present in the highlighted form not only for the better visualization but also for making the portal active.
- Also provided Donor initiative for college .
- And the unique feature which makes ITMB Alumni Association more unique is the search tab which is shown on every page .

2.5 UCLA Alumni -(www.alumni.ucla.edu)

- The UCLA Alumni Portal's home page layout is very much attractive , shows the similar features like all the portal which we have discussed yet.
- But unfortunately there is no notice section because of that the portal not shows any surrounding informations.
- And also the donor initiative is present in the form of scholarship but the basic concept is same.
- Here the alumnus are connected by the social networks which reduce the distance between the pass out and the junior students and that makes the portal unique as compare to the other portals.



Chapter 3

Requirement Analysis

3.1 Platform Requirement :

3.1.1 Supportive Operating Systems :

The supported Operating Systems for client include:

- Windows xp onwards
- Linux any flavour.

Windows and Linux are two of the operating systems that will support comparative website. Since Linux is an open source operating system, This system which is will use in this project is developed on the Linux platform but is made compatible with windows too. The comparative website will be tested on both Linux and windows.

The supported Operating Systems for server include: The supported Operating Systems For server include Linux. Linux is used as server operating system. For web server we are using apache 2.0

3.2 Software Requirement :

The Software Requirements in this project include:

- Apache

- PhpMyAdmin
- Internet Explorer, Mozilla FireFox, Google Chrome etc.

3.3 Hardware Requirement :

3.3.1 Hardware Required For Project Development:

- 1 GB Ram.
- 40 GB Hard Disk Minimum. Intel Core.



Chapter 4

Technology Details

4.1 PHP:

INTRODUCTION TO PHP

PHP is the latest incarnation of PHP (PHP: Hypertext Preprocessor)-a programming, language devised by Rasmus Lerdorf in 1994 for building dynamic, interactive Websites. Since then, it's been evolving into a full-fledged language in its own right, thanks to the hard work of all the people who contribute to its development.

A sure sign that PHP is maturing (OO) principles and improved support for XML the zend engine (the part that interprets and executes PHP code) now enables PHP5 developers to implement, among a host of other things, graceful application-wide error handling.

With all the new features and functionality that PHP5 provides, it's important for programmers to "upgrade" their understanding in order to best make use of this powerful Web scripting tool. And that's why it is important for you, the reader to invest your time learning about the latest and greatest that the people developing PHP5 have to offer.

You know it's a language for writing computer programs, so the real questions is "what sort of programs can you write with it?" in technical terms, PHP's main use is as a cross-platform, html embedded, server-side web scripting language. Let's take a moment to examine these terms.

Pure HTML documents, for all their versatility, are little more than static arrangements of text and pictures, albeit nicely presented ones. However, most of the sites you find on the web aren't static but dynamic even interactive. They can show you a list of articles containing a particular word, in which you are interested, show you the latest news, even greet you by name when you log on. They enable you to interact, and present you with different information according to the choice you make.

4.2 Javascript:

INTRODUCTION TO JAVASCRIPT

An explanation of exactly what JavaScript is has to begin with Java. Java is a new kind of Web programming language developed by Sun Microsystems. A Java program, or applet, can be loaded by an HTML page and executed by the Java Interpreter, which is embedded into the browser.

Java is a complex language, similar to C++. Java is object-oriented and has a wide variety of capabilities; it's also a bit confusing and requires an extensive development cycle. That's where JavaScript comes in.

JavaScript is one of a new breed of Web languages called scripting languages. These are simple languages that can be used to add extra features to an otherwise dull and dreary Web page. While Java is intended for programmers, scripting languages make it easy for nonprogrammers to improve a Web page.

JavaScript was originally developed by Netscape Corporation for use in its browser, Netscape Navigator. It includes a convenient syntax, flexible variable types, and easy access to the browser's features. It can run on the browser without being compiled; the source code can be placed directly into a Web page.

You can program in JavaScript easily; no development tools or compilers are required. You can use the same editor you use to create HTML documents to create JavaScript, and it executes directly on the browser (currently, Netscape or Microsoft Internet Explorer).

JavaScript was originally called Live Script, and was a proprietary feature of the Netscape browser. JavaScript has now been approved by Sun, the developer of Java, as a scripting language to complement Java. Support has also been announced by several other companies.

Although useful in working with Java, you'll find that JavaScript can be quite useful in its own right. It can work directly with HTML elements in a Web page, something Java can't handle. It is also simple to use, and you can do quite a bit with just a few JavaScript statements.

4.3 HTML/CSS

INTRODUCTION TO HTML/CSS

HyperText Markup Language, commonly referred to as HTML, is the standard markup language used to create web pages. Along with CSS, and JavaScript, HTML is a cornerstone technology used to create web pages, as well as to create user interfaces for mobile and web applications. Web browsers can read HTML files and render them into visible or audible web pages.

HTML describes the structure of a website semantically and, before the advent of Cascading Style Sheets (CSS), included cues for the presentation or appearance of the document (web page), making it a markup language, rather than a programming language.

Cascading Style Sheets (CSS) is a style sheet used for describing the presentation of a document written in a markup language like html CSS is a cornerstone technology of the worl wide web, alongside HTML and javascript.

CSS is designed to enable the separation of presentation and content, including layout and color. This separation can improve content, provide more flexibility and control in the specification of presentation characteristics, enable multiple webpages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content.

Separation of formatting and content also makes it feasible to present the same markup page in different styles for different rendering methods, such as on-screen, in print, by voice (via speech-based browser), and tactile devices. CSS also has rules for alternate formatting if the content is accessed on a mobile.

The name cascading comes from the specified priority scheme to determine which style rule applies if more than one rule matches a particular element. This cascading priority scheme is predictable.

4.4 MySQL

INTRODUCTION TO MYSQL

MySQL is a fast, easy-to-use RDBMS used for databases on many Web sites. Speed was the developers' main focus from the beginning. In the interest of speed, they made the decision to offer fewer features than their major competitors (for instance, Oracle and Sybase). However, even though MySQL isles full featured than its commercial competitors, it has all the features needed by the large majority of database developers. It's easier to install and use than its commercial competitors, and the difference in price is strongly in MySQL's favor.

MySQL is developed, marketed, and supported by MySQL AB, which is a Swedish company. The company licenses its two ways:

- **Open source software:** MySQL is available via the GNU GPL (General Public License) for no charge. Anyone who can meet the requirements of the GPL can use the software for free. If you're using MySQL as a database on a Web site (the subject of this book), you can use MySQL for free, even if you're making money with your Web site.
- **Commercial license:** MySQL is available with a commercial license for those who prefer it to the GPL. If a developer wants to use MySQL as part of a new software product and wants to sell the new product, rather than release it under the GPL, the developer needs to purchase a commercial license. The fee is very reasonable.

Finding technical support for MySQL is not a problem. You can join one of several e-mail discussion lists offered on the MySQL Web site at www.mysql.com. You can even search the e-mail list archives, which contain a large knowledge base of MySQL questions and answers.

Chapter 5

System Design

5.1 Design Approach

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization. Once the software requirements have been analyzed and specified the software design involves three technical activities design, coding, implementation and testing that are required to build and verify the software. The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customer requirements into finished software or a system. Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps. Preliminary design is concerned with the transformation of requirements into data.

5.2 Software Architecture Design

Our system is follow the three tier architecture .

First tier: The GUI(Graphical User Interface) in our project deals with the interface for the user where the user can fire a query and gets the desired answers from the alumni. The GUI provides a platform for the user to communicate with the database.

Second tier: The middle tier is the block where the actual processing of our project is done. This block connects the GUI to the database i.e. It acts as a connector as well as communicator which connects the database and helps in transfer of data between the GUI and the database.

Third tier: Database tier is the tier used for the storage of data. This tier contains all the data that is needed for the processing of the whole project. The data about the alumni including their name, address, designation and other related information is stored. The querying process gets completed by obtaining the data from the data collection database. Other Dynamic features are fetched from the database.

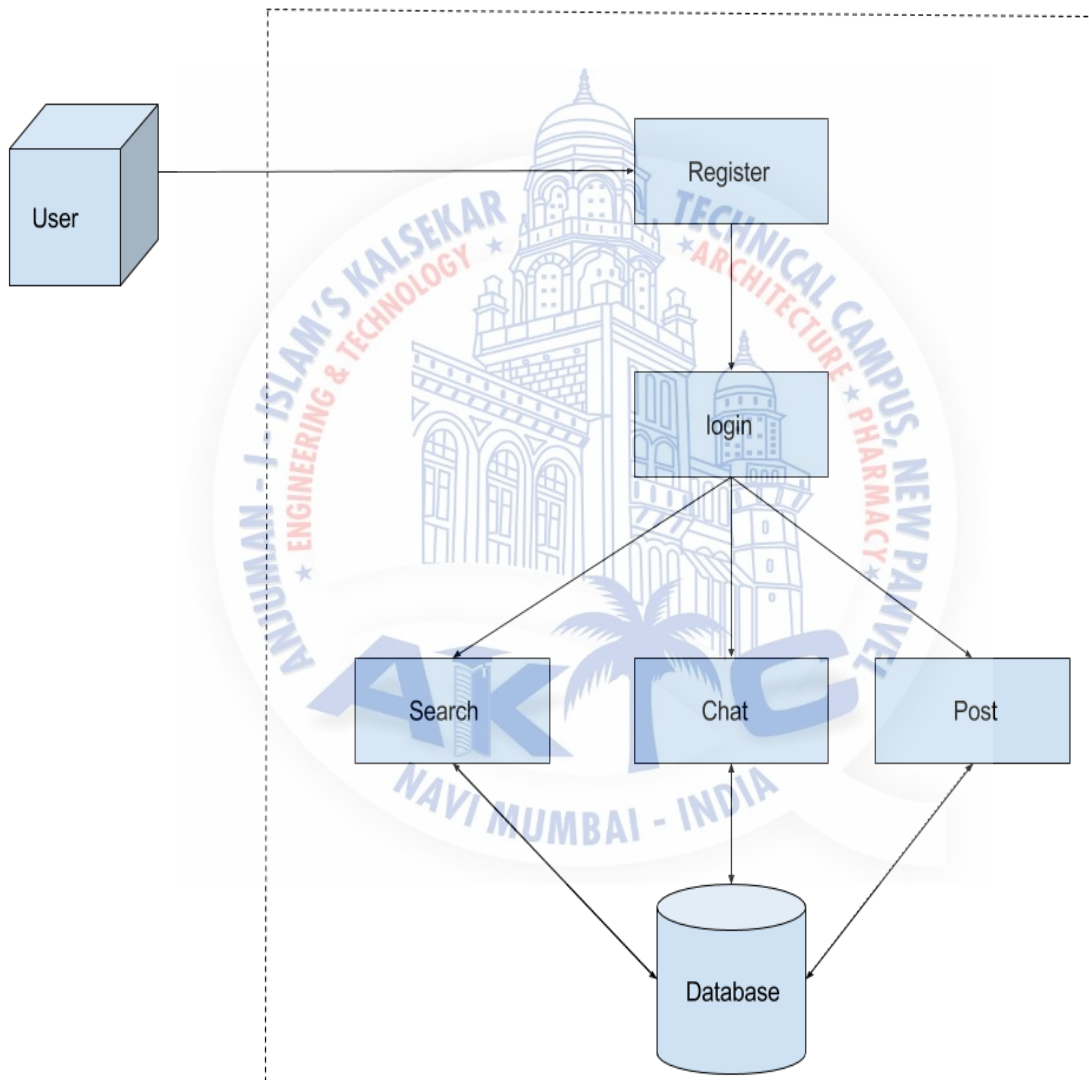


Figure 5.1: Software Architecture Design

5.2.1 Front End Designs

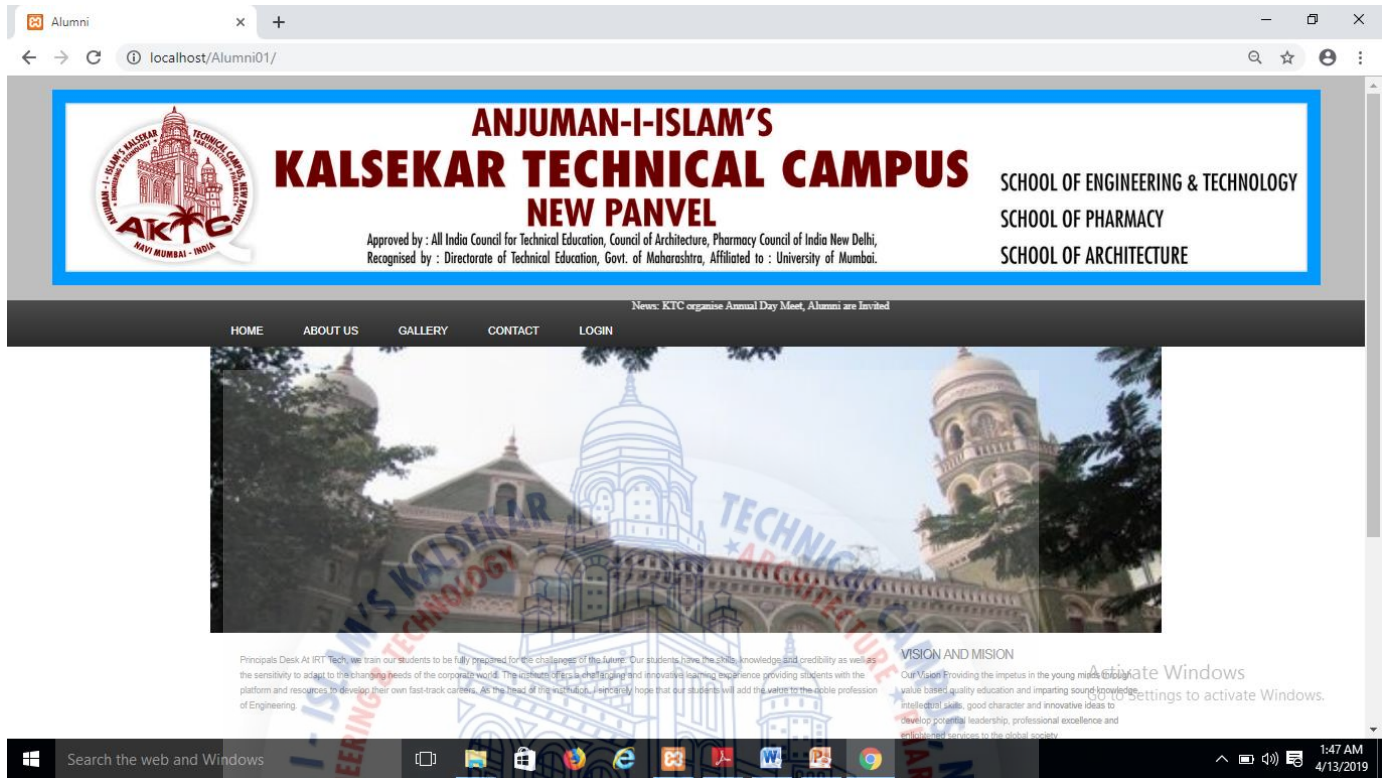


Figure 5.2: Front End Design

5.2.2 Deployment Design

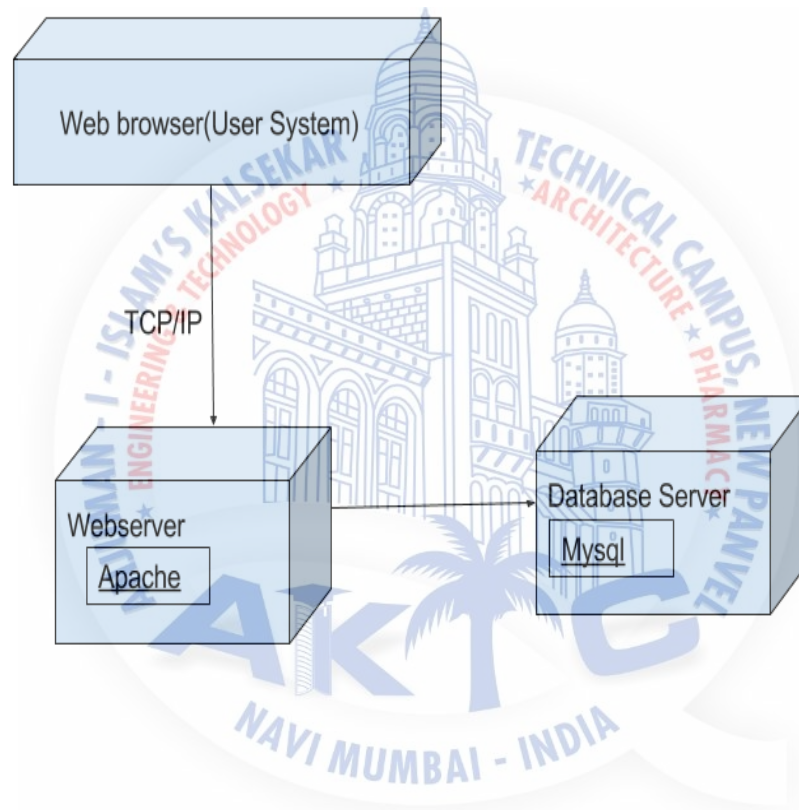


Figure 5.2.2: Deployment Diagram of College Alumni Portal

5.3 Database Design

- 5.3.1. Table Name** : login
- Description** : It is used to store the user login details like username,

password and group id [used as access level].

Field	Type	Null	Default	Comments
srno	int(12)	No		
Uid	mediumtext	No		
Uname	mediumtext	No		
passwd	mediumtext	No		
Name	mediumtext	No		
atype	mediumtext	No		
Status	tinyint(4)	No	0	

5.3.2. Table Name : alumini_member

Description : It is used to store the alumni member details.

Field	Type	Null	Default	Comments
srno	int(12)	No		
Uid	mediumtext	No		
Name	mediumtext	No		
Regno	mediumtext	No		
desig	mediumtext	No		
dept	mediumtext	No		
deptdesi	mediumtext	No		
Mailid	mediumtext	No		
contactno	mediumtext	No		
image	mediumtext	No		
Status	tinyint(4)	No		

5.3.3. Table Name : alumini_evtreg

Description : It is used to store the alumni member details.

Field	Type	Null	Default	Comments
srno	int(12)	No		
eid	mediumtext	No		
evtname	mediumtext	No		
uid	mediumtext	No		
orgmemb	mediumtext	No		
date	mediumtext	No		
Status	tinyint(4)	No		

Chapter 6

System Development

INTRODUCTION

After the system has been designed physically in detail, the stage is to transfer the system into a working one. Implementation is the stage of a project during which the design of a system is tested, debugged and made operational. So it is the most crucial stage in achieving a successful new system and in giving the users confidence that the new system will work and be effective.

PROJECT DESCRIPTION

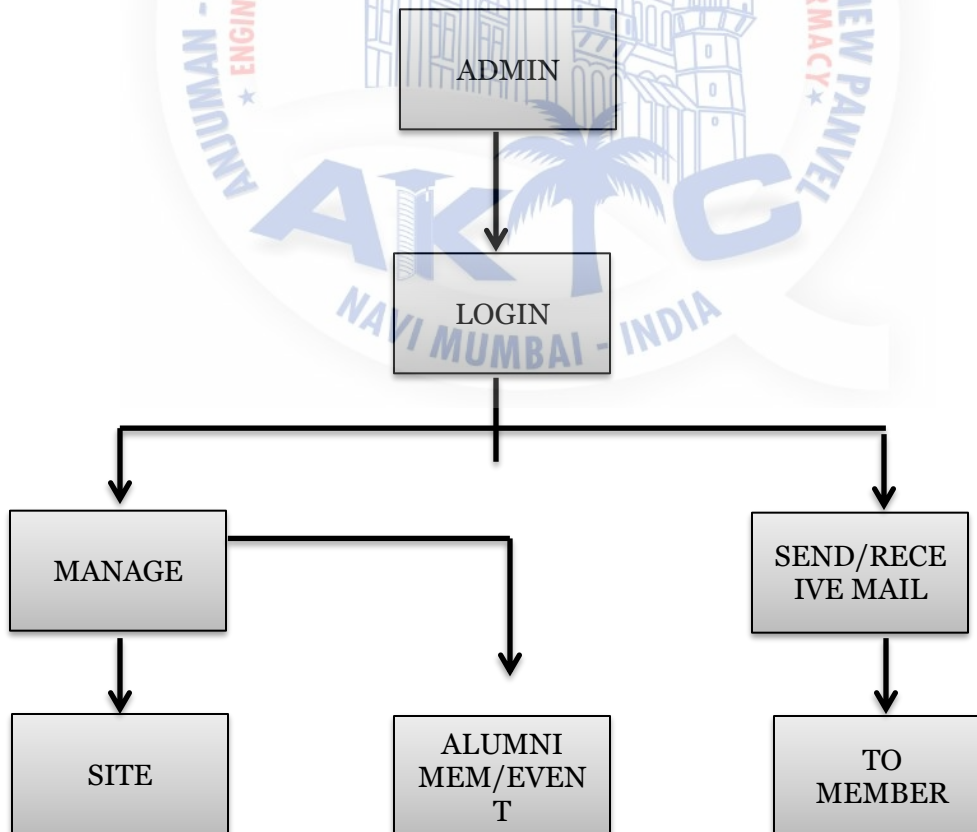
The project we proposed “Alumni Press” is an application used in Colleges for keep track of alumni member details. The above aim can be established by implementing a layout structure modules and each module can have many sub modules. Admin is responsible for adding, editing and deleting the alumni members. Alumni meet information's are sent by admin. User is the alumni members. Admin will provide the username and password to the members. Users can communicate within the other members through this site. User can login through our site and access the service offered by the admin. Alumni events and the venues are all allotted by the admin. User gets the information of the meet up to date immediately when the admin post.

6.1. Administrator Module

- **Change password** – Admin can change his / her password for periodically for security purpose.
- **Home** – Admin enrolls the home details of the site.

- **About** – Admin enrolls the about details of the site.
- **Contact** – Admin enrolls the about details of the site.
- **Gallery** – Events held in the alumni meet are all viewed in the gallery.
- **Manage Members** – Admin enrolls the alumni member and give the user name and password for them. So that each of them can open and view the details of meeting and the events held.
- **Manage Events** – Events are all enrolled by the admin. So that in each evng who are all going to take place are all enrolled.
- **Manage Gallery** – Admin enrolls the gallery and all viewed in the site.
- **Communicate** – Admin is able to view all message and communicate with all members.

6.1.1. DATA FLOW DIAGRAM FOR ADMIN:

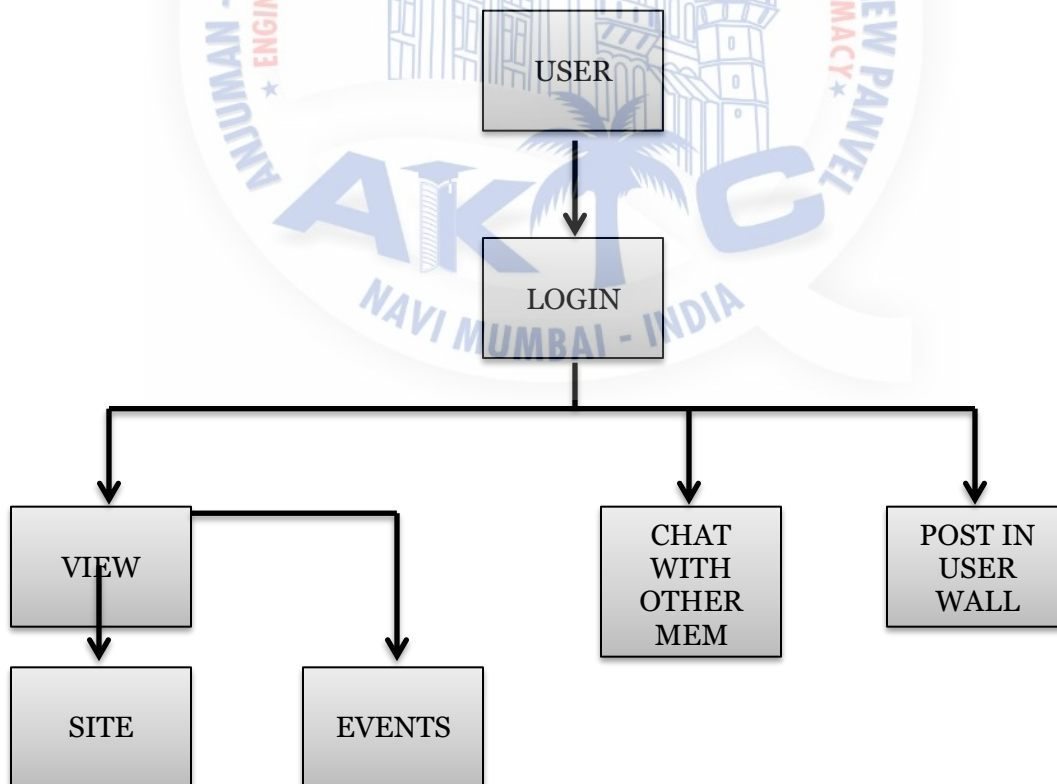


6.2. Alumni Module

- **Change password** – Alumni can change his / her password for periodically for security purpose.
- **Event Management** – Alumni member can view the events held in the meeting. All the members can separately login and view the details and get information about the alumni meet.
- **Gallery** – Event galleries are all viewed by the user. And also the galleries are all viewed in the site also.

Post and Chat- Alumni can able to post in userwall and chat with other alumni members

6.2.1 DATA FLOW DIAGRAM FOR ALUMNI:



Chapter 7

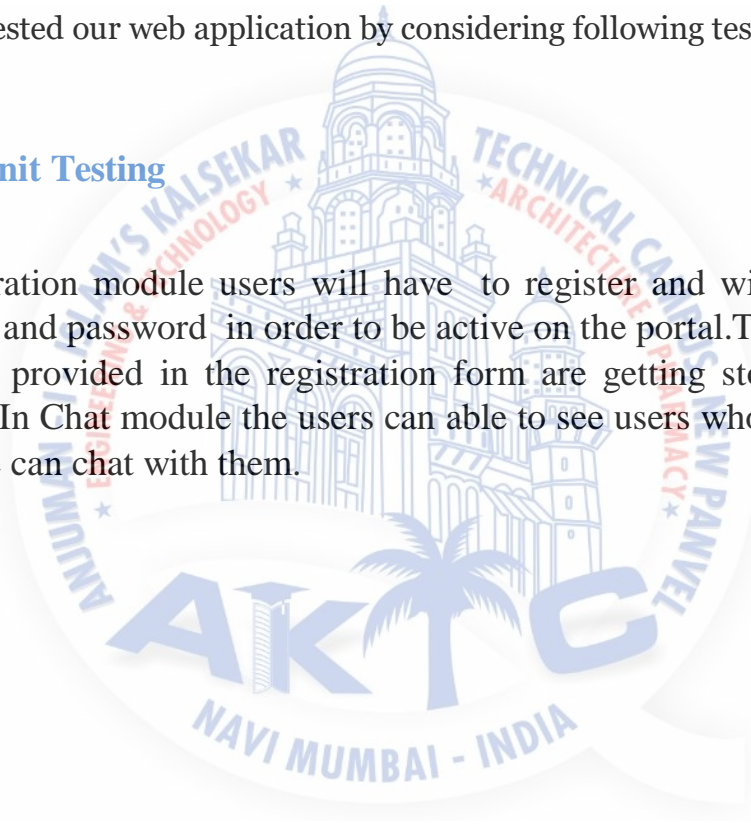
Results and Discussion

7.1 Test cases and Result

We have tested our web application by considering following test cases:

7.1.1 Unit Testing

In Registration module users will have to register and will get their username and password in order to be active on the portal. The value of the fields provided in the registration form are getting stored in the database. In Chat module the users can able to see users who are online and hence can chat with them.



Fwd: alumni press - majidazar0 x Fileconvector Search x PDF to Doc - PDF.live x html css wiki - trp Yahoo India x User Registration

localhost/Alumni01/signup.php

USER REGISTRATION [BACK](#)

USER NAME *

REGISTER NUMBER *

PASSWORD *

DESIGNATION *

DEPARTMENT *

DEPT DESIGNATION *

MAIL ID *

CONTACT NUMBER *

UPLOAD AN IMAGE [Choose File](#)

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Search the web and Windows

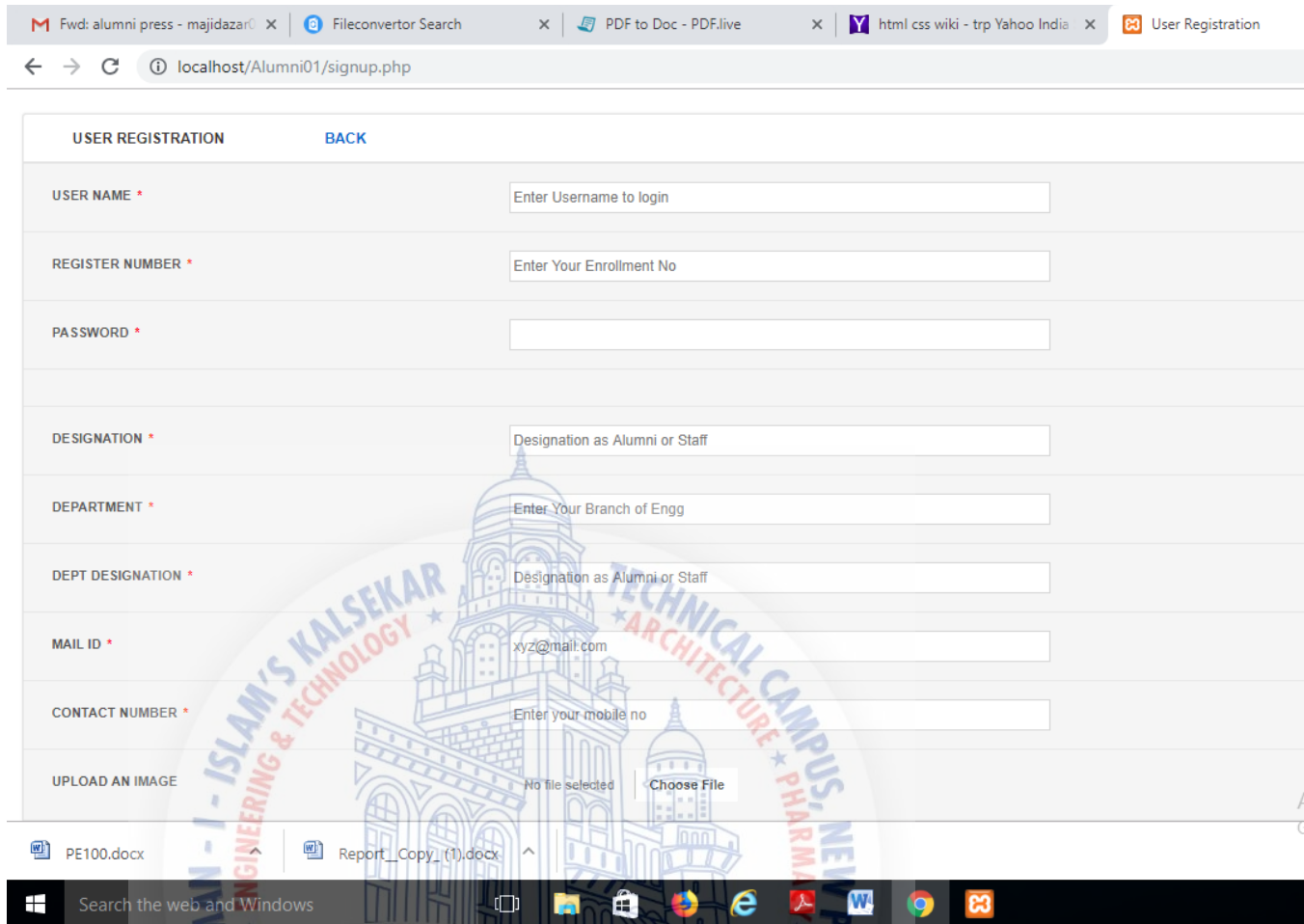


Figure 7.1: Registration



Figure 7.2: Login

7.1.2 Functional Testing

We have tested our web application on the server by integrating all the units of our project. In this testing we focus on the output is as per requirement or not.

In post system the user can post on the portal. The message will be displayed to the user according to his choice. If the user wants to post the message groupwise or department wise the user can do that by selecting the type of post he wants to. Under chat module the registered user can chat with others successfully.

The messages are getting delivered to the one who has been targeted for the delivery. The user will also be able to view the last seen of the other members.

Chapter 8

Conclusion and Future Scope.

8.1 Conclusion

Alumni Portal for any college website is very important. It has been setup to increase interaction, knowledge sharing and networking among the alumni students and also focuses on bringing together alumni students of college. And the primary goal of this report is to connect the alumni students with the college and existing college students with the help of alumni web portal where they can have communication with existing students and college.

8.2 Future Scope

- In order to ease the work, an Android app can also be built.
- To add certain social networking features such as of LinkedIn.
- To involve companies to avail the services of this platform.

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