

Dynamic Website for Alumni Association of BSFMSTU

Course Code: CSE 3242

Course Title: Web Engineering Sessional

Submitted By-

Md. Mosaddik Habib
Student ID: 19111102

Atia Binte Alaal
Student ID: 19211105

Md. Ashikur Rahman
Student ID: 19111121

Saiful Islam
Student ID: 19111129

Mahfuzur Rahman
Student ID: 19111133

Submitted To-

Department of Computer Science and Engineering
in partial fulfillment of the requirements for the degree of Bachelor of Science in
Computer Science and Engineering.

Supervised by-

Mohammad Hasan
Lecturer
Department of CSE



Bangamata Sheikh Fojilatunnesa Mujib Science Technology University
Melandaha, Jamalpur
February , 2023

ACKNOWLEDGMENTS

We would like to express our deepest gratitude to our supervisor Mohammad Hasan for his guidance on this project showing us the path of conducting successful research and above all for always being there as our mentor. He shared his wisdom with us in analyzing subject matters and at the same time valued our thinking approach to synthesize those topics. His suggestions drove us towards better ways of thinking, his reviews enriched us in solving problems, and his support gave us strength at the time of our disappointment. We shall forever cherish the memories of working with him. We deeply thank our friends and families for always believing in us even at the moment when we were losing our confidence.

ABSTRACT

The project is innovative in all the aspects since no such application is available right now to connect students and alumni of university apart from a facebook page. It will provide more customizability, more effective user interface, more modularity. This application will be the best source for jobs, donation and knowledge sharing for institute. It will maintain a repository of not only the personal but also the professional details of alumni. It will maintain the privacy of user by letting him/her to message the "queries directly into the inbox of concerned person. Also if anybody wants to discuss something, then a common discussion forum is available. Interaction between alumni and institute will be on regular basis through e-newsletter. An alumni can donate to its AlmaMater using this application. It will reduce the gap between alumni, students and the institute by providing them a common platform to interact and to stay updated and connected with campus activities.[1]

Keywords: Innovative,Customizability,Modularity,AlmaMater.

TABLE OF CONTENTS

	Page
List of Figures	iv
1 Introduction	1
1.1 Features of the Our Online Alumni System	1
2 Review of Literature	3
2.1 Background Study	3
3 Objectives	4
4 Methodology	5
4.1 Flow chart	5
5 Hardware Software specifications	6
5.1 Hardware specifications	6
5.2 Software Specification	6
6 Conclusion	7
Bibliography	8

LIST OF FIGURES

FIGURE	Page
4.1 Flow chart for Alumni association in BSFMSTU	5

CHAPTER 1

INTRODUCTION

Alumni meet is an event celebrated in every institute so to allow your alumni to renew bonds with past classmates and cherish their relationship with faculties and staff members. The alumni association creates and keeps alumni interest in their Education guild and develops an interest to contribute to their Alma matter. Alumni Meeting is a networking event conceived to exchange experiences and to share ideas with current students, faculties, and staff.[2]

Our Online Alumni Application is helpful for the alumni to get updated with latest information and news from the institution or the old pals. Vice versa the institution can have regular contacts and updates from the old students. In todays world, the Online Alumni system is the best way to find, connect and communicate with old friends and institutions. This advanced Alumni Management System will be developed with future-ready technology that can be further developed into an android app. The level of convenience and usability will get to next level with user-friendly interface and quick access to all features. The android apps for Alumni Management System will come preloaded with useful features and will have the scope to be further modified as per requirements. The diverse functionalities that will available on the web browser will be carried down to the app as well. Having its app on Android brings huge scope of participation from the alumni and provides an extra appeal for the users to join the platform from across the world.

1.1 Features of the Our Online Alumni System

- Simple log in system
- New and only actual student can fill up registration form.
- Members can search for others member
- Customized search option (Member can search by region, company, batch or department etc)
- Database will be well sorted, so that member can be found by customized search
- Current news will appear at the top of the landing page
- Member can leave short comment about the post or event

- Member can upload his or her CV (downloadable PDF file)
- Member can update their profile
- Member can donate
- Member can contact with committee for face to face help. (medium: Email)

CHAPTER 2

REVIEW OF LITERATURE

In the past, alumni relations, or engagement, tended to be treated as a stand-alone activity divorced from fundraising and other advancement activities. Indeed, some alumni associations were entirely independent of their parent institutions, and whilst their members interacted with each other, they had very little interaction with the institution. Also, Alumni Website was developed using a static page rather than dynamic page. And also, in existing system, maximum work goes on manually and it is error prone system, it takes time for any changes in the system.[3]

2.1 Background Study

The alumni portal is accessible for ex-students and not for current students. This is a major barrier to the flow of information and guidance to the existing student. The institution maintains separate portal for existing students. This has following disadvantages: 1) Maintaining two portals is costly 2) No link between the Alumni portal and varsity portal for existing students 3) No direct flow of information from ex-students to current students 4) No SMS or email notification in case of any events posted, alumni have to log in to portal to know about new events or updates Alumni have to go to varsity for any document that is required for higher studies for which he has to take a leave from their office or find time from their busy schedule. [4]

C H A P T E R 3

OBJECTIVES

- To refresh the old memories and to connect with one another, both socially and professionally. Besides, provide a forum for alumni to maintain bonds that can prove to be an invaluable career asset.
- To provide a common platform provided for passed out students / Alumni of BSFMSTU.
- To recognize the personal/professional achievements of the Alumni.
- To promote cultural, academic, and literary advancement of its members.
- To support the President, Board of Trustees, staff, faculty and student body of the University in their efforts to improve the institution.

C H A P T E R 4

METHODOLOGY

To complete the whole project, we will go through some steps. They are:

Step-1:

First, we will design user interface (UI). We will take help of FIGMA or PHOTOSHOP.

Step-2:

Using mark-up language, we will design the front-end part. For front end we will use HTML, CSS. Besides, we will use CSS framework Bootstrap also. To make more interactive we may use JavaScript a little.

Step-3:

After front-end design, we will develop the back-end part. We will use PHP to develop back- end and also will use PHP framework, Laravel.

4.1 Flow chart

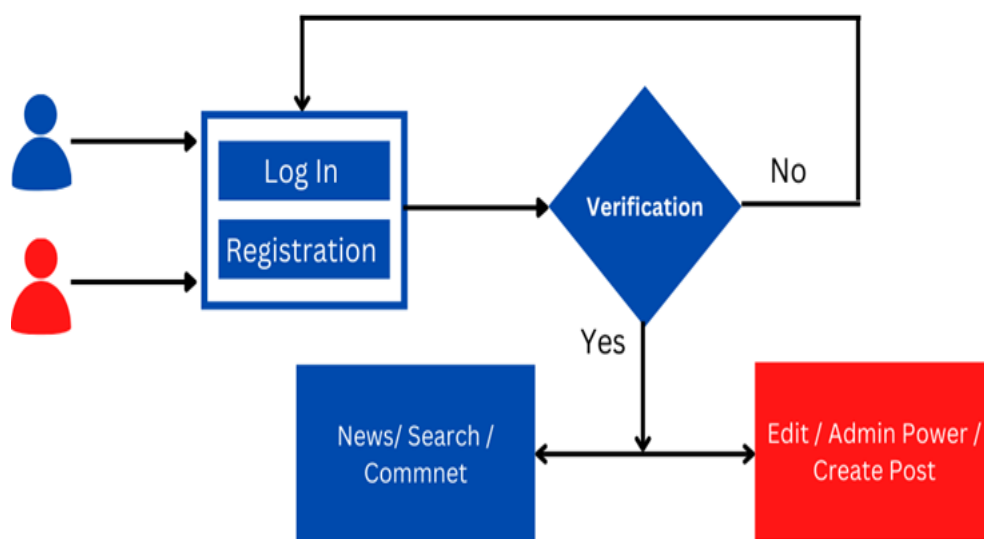


Figure 4.1: Flow chart for Alumni association in BSFMSTU

HARDWARE SOFTWARE SPECIFICATIONS

5.1 Hardware specifications

To host full website, we will need either a physical web server computer or we will hire for dedicated web server from service provider company. But we will need this type of hardware specification at least:

- Processor: from 3.5GHz to 4.10GHz clock speed
- RAM: More than 4GB with 2400MHz Bus Speed
- Space or Disk: 512GB NVMe
- Traffic or Bandwidth: 10,000+ GB per month

5.2 Software Specification

- Operating System (Server): Windows (Developer), Linux based OS (Sever)
- Editor: VS Code or Atom
- Version Control: Git

C H A P T E R 6

CONCLUSION

Searching for the particular batch students is a time taking process. To overcome all the drawbacks of the existing system we go for automate alumni software in which all the data of the members are updated automatically by the student itself. This modification will be updated only with proper validation of the student. The searching for a particular student is done very easily using this software. It is effective communication between teachers, old students.

Complete automation of all operations centrally stored information with zero redundancy. Alumni web site is one such attempt to bring the passed-out students of the varsity closer to their juniors. It helps them to connect, get information and guidance for their career.[5]

BIBLIOGRAPHY

- [1] preet. “(DOC) Abstract n Alumni Association | Kawal Preet - Academia.Edu.” Academia.Edu - Share Research,
https://www.academia.edu/29257418/Abstract_n_alumni_association. Accessed 12 Feb. 2023.
- [2] Alumni Introduction – ZIMCA.” ZIMCA – Best MBA College in Pune,
<https://zimca.in/alumni-introduction/>. Accessed 12 Feb. 2023.
- [3] Development, - International Journal for Scientific Research. “(PDF) Student Alumni System | IJSRD - International Journal for Scientific Research and Development - Academia.Edu.” Academia.Edu - Share Research,
https://www.academia.edu/21905357/Student_Alumni_System. Accessed 12 Feb. 2023.
- [4] Ltd, Reve Systems. “BUET ALUMNI.” BUET ALUMNI, <http://buetalumni.org/>. Accessed 12 Feb. 2023.
- [5] “Download an Alumni Association Java Project Report - 1000 Projects.” 1000 Projects - Free BTech BE Projects | MTech ME Projects | MCA Projects | MBA Projects, 24 Oct. 2011, <https://1000projects.org/download-an-alumni-association-java-project-report.html>.