A System Design Project Report on

LMC Connect

Submitted in partial fulfillment of the degree of
Bachelor of Computer Applications
VI Semester

Submitted by

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Under the Supervision of
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(Autonomous)

CERTIFICATE

This is to certify that the System Design Project entitled

LMC Connect

has been designed and developed by

Vishnu Tanwar

In partial fulfillment of the degree of BCA VI Semester Examination 2020, under our supervision and guidance.

Prof. (Dr.) Priyadarshi Patni   **Prof. (Dr.) Priyadarshi Patni**
Director   Director,
Faculty of Computer Sc   Faculty of Computer Sc

Date:06/June/2021

Acknowledgement

We are grateful to our respectable teacher, **Prof. (Dr.) Priyadarshi Patni**, whose insightful leadership and knowledge benefited us to complete this project successfully. Thank you so much for your continuous support and presence whenever needed.

However, we would like to express our deep appreciation and indebtedness to our teachers and supervisors for their endless support, kindness, and understanding during the project duration.
Also, we would like to thank all our relatives, family, and friends who supported us in one way or another.

Vishnu Tanwar

Contents

1. Introduction

The aim of the project is to build an interactive system between alumni, students and institution .A system that will be able to manage alumni data of a institution and provide easy access to the same. The alumni will also be interested to maintain relations with their institutions. Alumni can communicate to the students regarding job opportunities and the students can share the department technology activities to the alumni.

This is an online website that allows former students to take benefits of services that an institution offers after courses.

The alumni network is becoming important in the development of the institution because of their vast potential that benefits both the institution and the students.

2. Need

•Support System: An engaged alumni network allows the university to benefit from the skills and experience of our graduates, by offering their support to students, to the institution and to each other. If we keep them well informed and well engaged, alumni are our most loyal supporters and our best mentors, offering invaluable marketing and promotion across their personal and professional networks.

• Sharing skill or knowledge: Talented alumni will likely have a wealth of experience and skills to share with current students via talks and meets. In certain cases, this could go even further with alumni offering to practically support students in work placements and help them launch their careers.

• Assistance in Employability: Alumni network has a real life benefit for current students. Alumni also donate their valuable time to offer career support to current students. This enhances the students experience and gives them that competitive edge in today's tough job market. The alumni network of a college is one of the biggest sources of placement opportunities to the students. Alumni can help students get placed at their respective field.

• Mentorship and Scholarships Alumni can play an active role in voluntary programs like mentoring students in their areas of expertise. They also play a significant role in contributing scholarships to deserving students. Alumni get in touch with students and share their expertise and best practices in a given field.

3. Existing System with Limitations

The Existing system is a computerized system but it is maintained at individual databases i.e. in excels sheets, so it's a time delay process and maintaining all the records in Excel sheets is difficult. If they want any record, they have to search all the records. It doesn't provide multiple user accessibility and also doesn't have different user privileges. The existing system is built with numberless excel sheets that are created by each user. These sheets may be collated by an alumni organization and shared with all the alumni but this activity may not be frequent. The system is difficult to maintain on a regular process and it also have a privacy issues.

Limitations:

- The current system is not completely computerized and manual system in entering students and staff data and handling it.

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- There is no centralized database maintenance.

- There is no easy access to the particular student's record. The student cannot easily navigate through the database.

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- It cannot be used frequently.
- Data can be losses.
- This system cannot maintain regularly.
- There is security and privacy problem may occur.
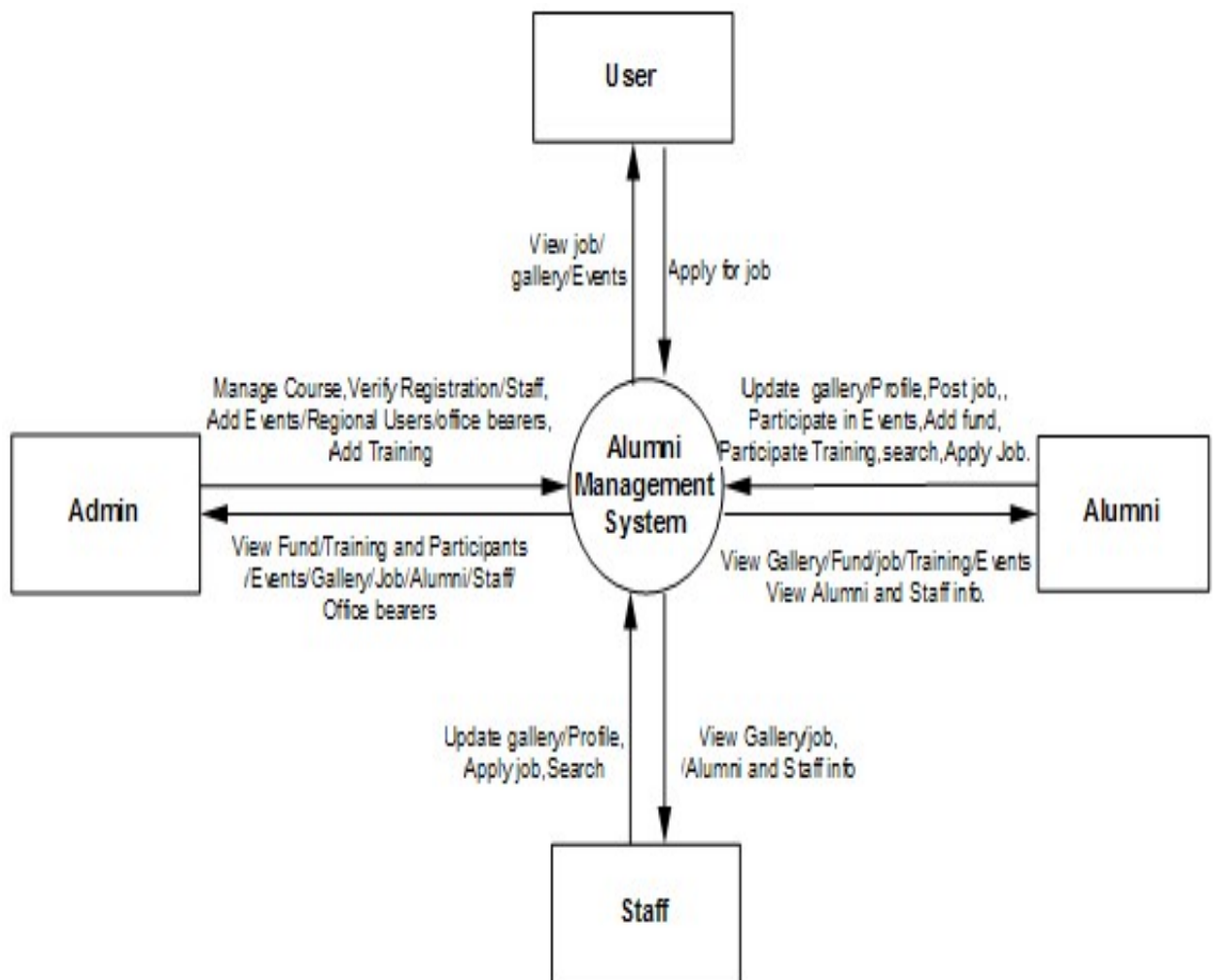- This is a large process to maintain all user details.

4. Proposed System

The Proposed system is a computerized system but which is maintained at centralized databases i.e. in automated forms it's a very fast process. And maintaining all the records in online systems database which makes it very easy to access and retrieve data from the database. If they want any record they can easily search all the records. It provides multiple user accessibility and also has different user privileges. So the system is accessible for all the employees of the organization

Advantages over Existing System

- It is completely automated system in handling the college database.

- This system provides centralized database maintenance

- This system provides easy access to the particular alumni account or his/her complete details

- This system provides student to easily navigate through the application for more information in a most secure manner.

- It is very easy to manage historical data in database.

- It is very easy to record the information of the colleges and about the students in the databases. This system is secured.
- This system provides a single point of network as they connect all the people connected to the university at a single place allowing interactions, exchange of ideas and other information.
- The system is an application for managing and accessing Alumni information regularly.

5. Process / Working

User

View job/
gallery/Events
Apply for job

Manage Course, Verify Registration/Staff,
Add Events/Regional Users/office bearers,
Add Training

Update gallery/Profile, Post job,,
Participate in Events, Add fund,
Participate Training, search, Apply Job.

Admin

**Alumni
Management
System**

Alumni

View Fund/Training and Participants
/Events/Gallery/Job/Alumni/Staff/
Office bearers

View Gallery/Fund/job/Training/Events
View Alumni and Staff info.

Update gallery/Profile,
Apply job, Search

View Gallery/job,
/Alumni and Staff info

Staff

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6. Feasibility Study

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Since we are going to develop a system, it is fair to see some conditions regarding to cost clients (end users), security and time of performing the activity. Feasibility is the preliminary study undertaken to determine whether the solution considered to accomplishing the requirement is practically successful and workable in the software application.

1. Technical Feasibility

With the use of the tools and resources which were available with us, it was highly
Feasible to develop LMC Connect. We did a detailed study of the various requirement of the system and on in-depth analysis concluded that it was possible to technically develop the project..
All the requirements of the college management System are satisfied by Manager. It is able to efficiently mimic the present system with many added features and productivity tools. Thus we can conclude that project is LMC Connect technically feasible to develop and implement.
2. Behavioural Feasibility

- It evaluates and estimates the user attitude or behaviour towards the development of new system.

- It helps in determining if the system requires special effort to educate, retrain, transfer, and changes in employee's job status on new ways of conducting business.

3. Economic Feasibility

 Economic feasibility is the study of "the measure of cost effectiveness?" That is because we sometimes call economic feasibility as cost benefit analysis. In this study we cannot be approved in deepness since the study is still at the beginning of the project. However, there is a cost and benefit that we are estimated to show in short and long run.

Tangible Benefits

The tangible benefit of the system is the consequences from the design of web system that can be considered as money values. It includes

- ➢ Reduce cost of the manual data management (reduce expensiveness).

- ➢ Avoid human mistake.

- ➢ Increase speed of activity and services.

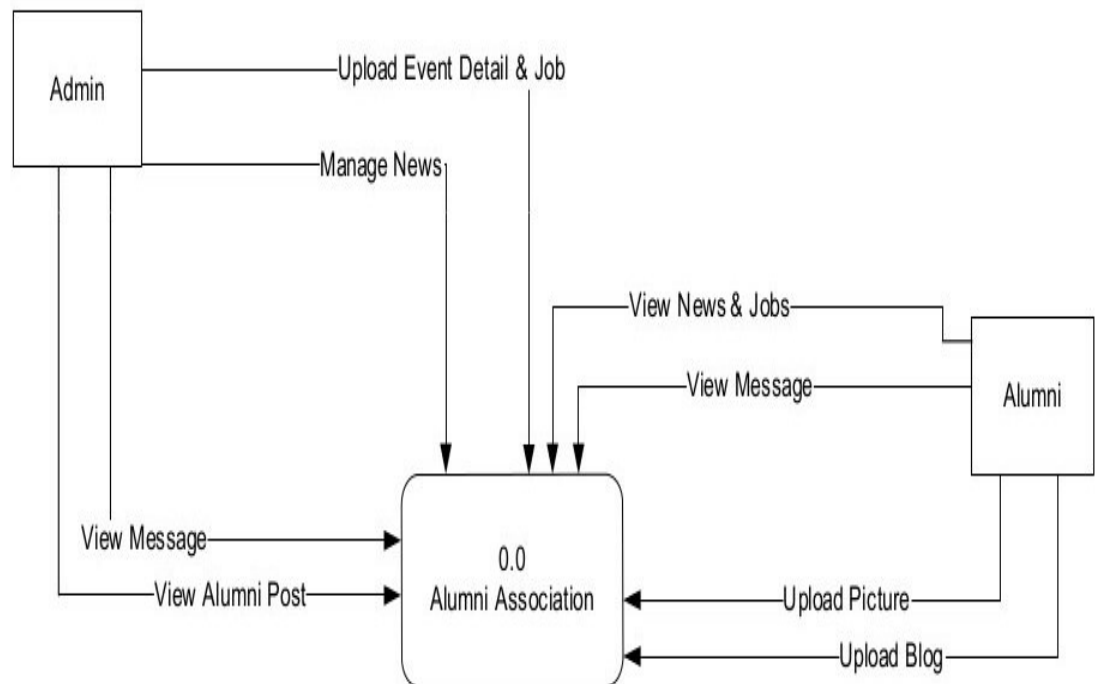- ➢ Give more reliable, accessible and easily manageable and centralized.

Intangible Benefits

Our system have a number of benefits that we are not to be easily considered as monetary values from the project team aspect to have a chance for exercising real world problem. It includes
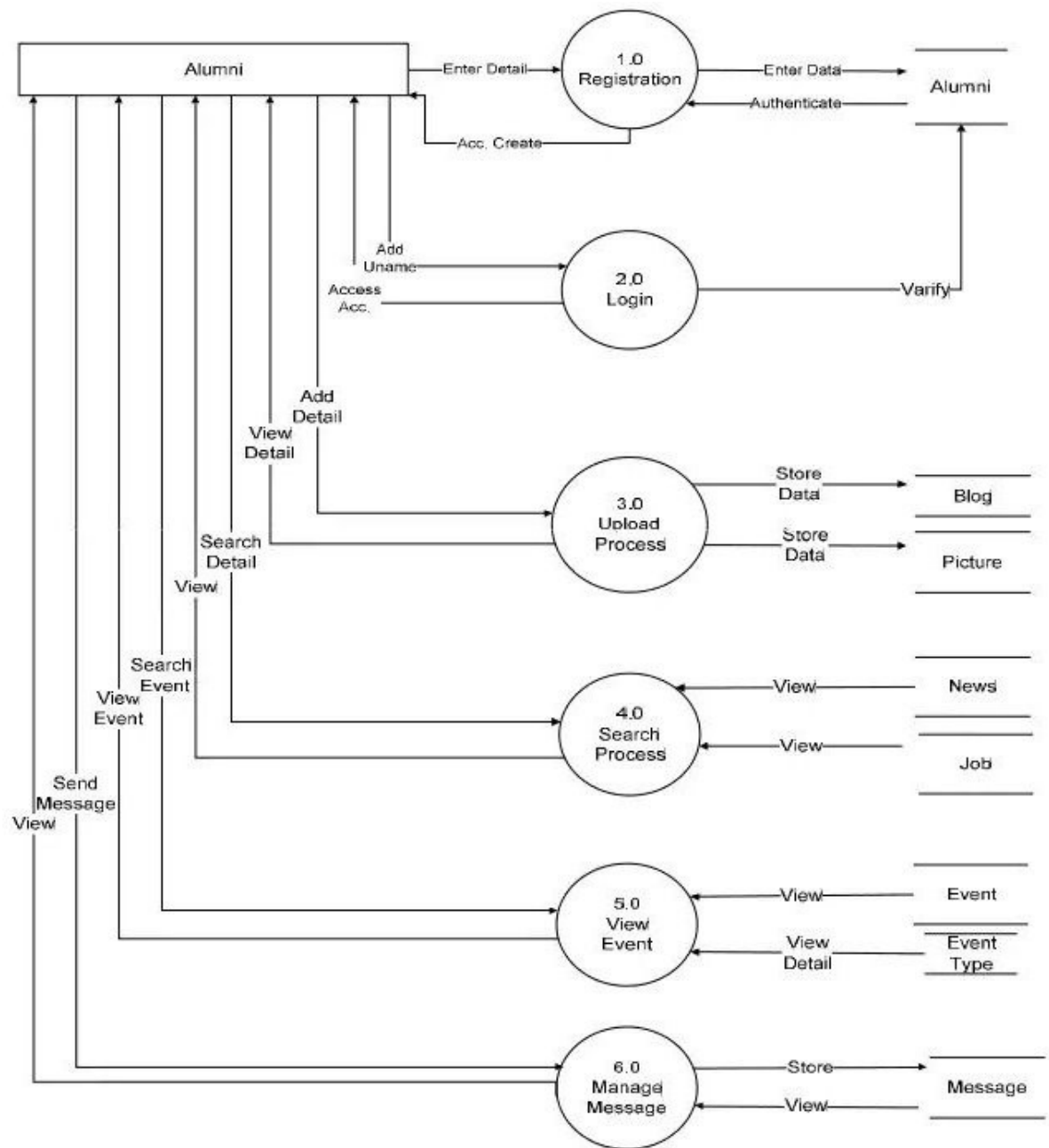
- ➢ Increase portability and improve productivity

- ➢ Increase reliability, correctness and efficiency

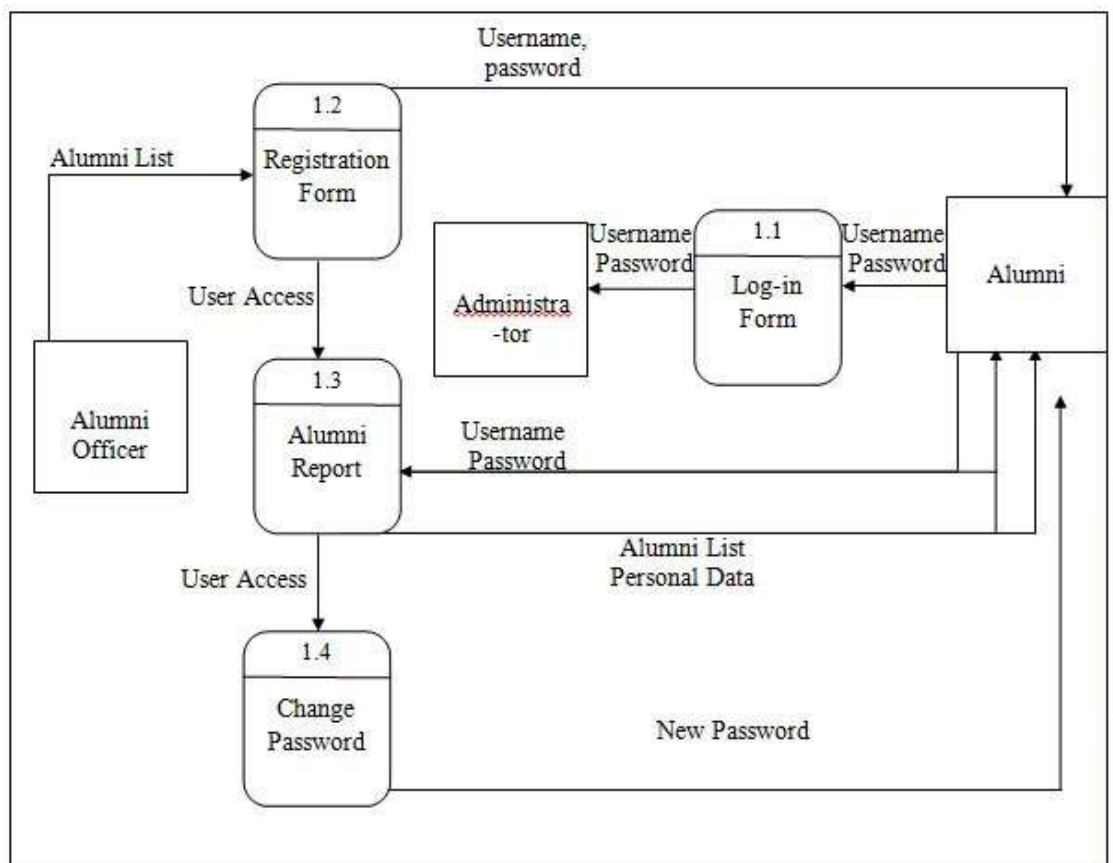- ➢ Get well organized information in short period of time.

7. Data Flow Diagrams

1. Context Level Diagram

2. Level 1 Diagram

3. Level 2 Diagram

8. E R Diagram and Database Tables

NOTE:**Bold** = Primary Key*Italics*= Foreign Key.

9. Project Design (Screenshots)

10. Future Enhancements

Contact alumni officer

It would be very useful if the members of the alumni web site which are former Students of College could directly contact the alumni officer through the web site 'The system that was implemented does not offer this functionality. However it is Easy to find the e-mail address of the alumni officer because it will be placed on the home page of the online community. The contact alumni officer functionality Could be easily implemented using asp, which is also used in order to implement the broadcast e-mail functionality that the alumni web site offers.

Submit CV

It would be very useful if the former students would be able to directly submit their CV using the alumni web site. This could be found very useful because of the fact that College cooperates with many different companies. The CV's would be stored on the server where some companies would be able to access them if they are looking for a new employ. This means that another type of user should be added to the system. As mentioned above, the alumni of College offers many benefits and services to the former graduated students. One of those services is to help the graduated students to get employed. If the alumni students were able to submit a CV and the companies would have been able to access those CV's, the alumni office would be able to help the graduates get employed without direct Interference.

Discussion forum

A very useful functionality form which the alumni members could benefit would

be if the web site had a forum where any discussion could be opened that is related

to a person's field of study. Many universities around the world have a forum

on their alumni web site. The forum could also be used to ask some question.

Setting personal information private or public

Some people would not like the idea that their information could be seen by

everybody that is a member of the alumni web site. That is why it would be useful

to be able to set some information, such as the contact details as private or public.

This could be done very easy with the use of radio buttons,

11. Conclusion

The system design project is aimed to help the students in selecting career option(s). The system is planned to check the different replies by the user and apply an algorithm for the purpose of selecting a proper choice as career.

With the help of carefully selected questions and a strong evaluation algorithm, the system should be able to guide students towards the best path possible and help her create a great career and future.

This system will be available for general public use through the web interface. A non-registered visitor can look at the list of graduates according to year of graduation or a field of study. He can also look at graduates profiles. The level of profile details shown to the public is limited. By default, a public visitor can only see name and surname of a graduate, year of graduation and a field of study. The faculty endeavors to propagate its graduates. Therefore graduates can also add some information about themselves into the system during the study such as working experience, knowledge. Graduates can enable to display this information in their profiles for public visitors. Inserted information can be used as an input for generating graduate's curriculum vitae in pdf format, which is provided automatically. It is in a graduate's competence, which information will be searching pages with their crawlers. A graduate can use it for the building of his virtual web identity on the internet. Our Alumni system solves the problem concerned with graduate's feedback to the faculty with an inquiry module. In this module the faculty can define questions with answers which active graduates can respond. This module should be used for collecting data which are not included in graduate's profiles and have high information value for the faculty.

12. References

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Appendix

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