

ALUMNI TRACKING SYSTEM

Pradnya Jadhav¹, Sheetal Gavali², Prof. Gauri Brahmnnakar³

Student, Department of E&TC, NBN SINHGAD School of Engineering, Pune, India^{1,2}

Associate Professor, Department of E&TC, NBN SINHGAD School of Engineering, Pune, India³

Abstract: *Alumni Tracking System is application based platform that will help student , alumni to connect together with the help of this application. This application can be accessed throughout the world. Anyone can access the data from anywhere. We were developed a real time application using java language, The project aims to improve current tracking procedure of college graduates and providing alumni data to college faculties.*

I. INTRODUCTION

The existing system is a computerised system but which is maintained at individual database i.e., in excel sheets, it's a time delay process. And maintaining all the records in excel sheet is difficult nowadays tracking of alumni data is very difficult task for the college management system and faculties for that purpose we are going to develop android application which are based on Google firebase Technology. In that we are going to create a database of the college graduates or alumni. The alumni information database is a web base application that can be accessed throughout the world. While we open android application, we will see a registration page after that we need to do registration by filling basic details for e.g. First name, last name, mobile no, email-id then we have to click on the submit button. After that we get one verification mail.

Same procedure followed for student and alumni. with the help of this app the co-ordination between student, alumni, and college faculties or admin are smoothly. This application is a real time base application, data is stored and synchronised in a real time to every connected client .in that we can update, insert and delete a data. There will be give option for update. Based on this deploy the existing system and we need to work on the new system which will be helpful to the all graduates and currently pursuing fresher. Existing system are very costly so they want to deploy the existing system instead of using costly system we are going to provide standalone and application-based system which is easy to access and easy to use for all and basically this is the real time application so you need to fully control how you engage with alumni and the experience they get. This management platform will allow you to keep control of the data about the alumni engage them through this medium.

II. BRIEF LITERATURE SURVEY

[1] K.J. Dochen studies, the university of Texas Elementary school is a charter school operated by the university of Texas, he faced problem of to track the educational achievements of its alumni and compare them to determine the effects of university of Texas elementary school. He found out the solution of the problem he researches the many papers and design methods for the alumni tracking purpose and he recommended data to collect and plan of actions including the necessary information.

[2] Ronald s. studies, alumni are graduates of any higher education institution that plays vital role in the quality education they are considered most valuable asset. They face difficulties to online communication with alumni and their HEI's (higher education institution). That's why he designed web-based alumni tracking information system. That is highly needed by institutions. He thought that this application is not only used for communication but also for the placement and linking with alumni.

[3] Ruth. G Lucion. studies, to develop alumni tracking system design to allow university to trace its alumni using the internet, he faced the problems like where alumni' s are currently working, what is their current employment status, and what skills they have and what type of skills the company required from them. He found out the solution

on it and that's why he develops this system by adding the comprehensive report which are necessary for planning, updating the employment status and skills.

[4] Prof. Reena Somani studies how to gather the alumni data on urgent basis for that purpose she develops the online based application which contained alumni's data including personal details and current job status. It's aimed to developing a mobile application and web portal which will be useful for the college graduates. She used the asp .net core service for storing the alumni data .and provide back-end service for data.

[5] Mr. Mahesh Patil, studies the C4.5 algorithm for the purpose of quick find out the alumni information and management on the institute level He found the difficulties to store the data on institute level only for that purpose he used the algorithm and he develop the web portal. he thought that the existing system is a traditional system for that he used the C4.5 algorithm. the main aim of the system is to overcome the drawbacks in traditional system.

III. METHODOLOGY TO IMPLEMENT

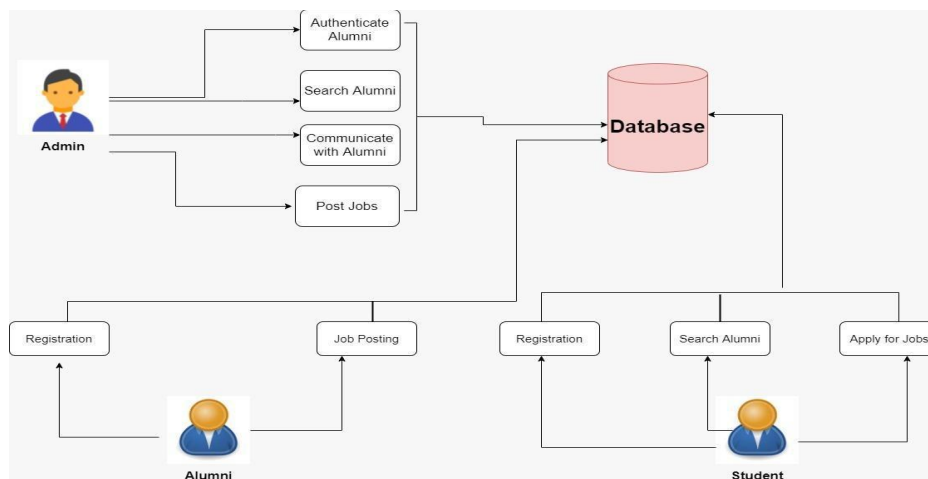


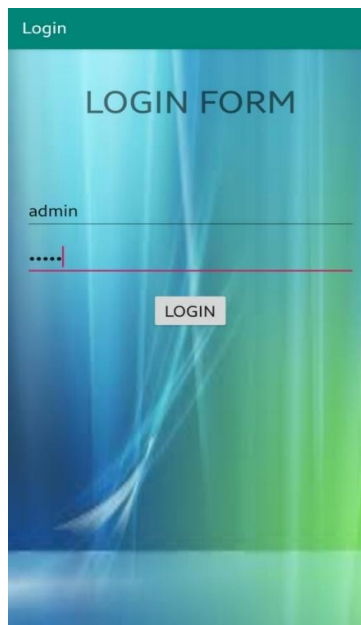
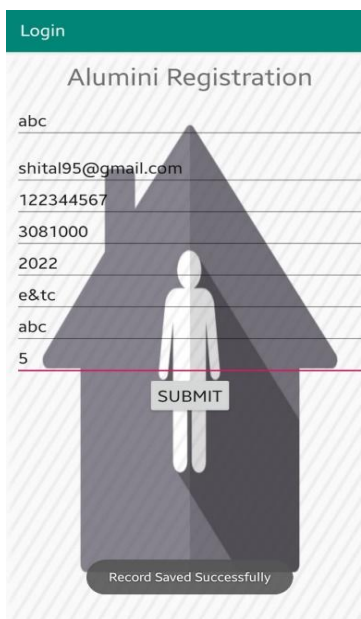
FIGURE: DIAGRAM OF ALUMNI TRACKING SYSTEM BLOCKS

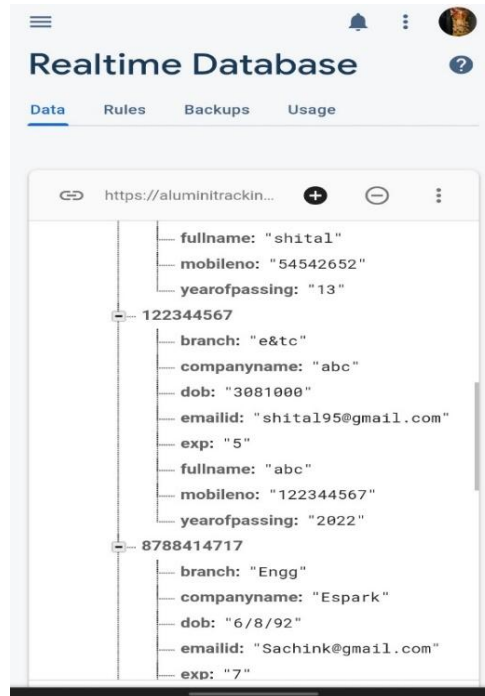
From the above diagram we will understand the working of the tracking System from admin to alumni.

- Admin-in the admin section, He have authority regarding authenticate alumni, search alumni, communicate with the alumni, post and update job details. and this data will be stored in our database system.
- After that, Alumni have to do registration on the same app and fill out the basic details like name, mobile no, email-id and they will have one confirmation mail after successful registration. then they will login themselves by putting username and password, and after that alumnus can post the job details, job requirement, vacancies etc.
- This data will be stored in database and the visible to all the Alumni's who registered they can chat with each other; they can share the information and data.
- Student can also apply for the jobs which shared by alumni and admin. this all data will be stored in the database system and we can access the data through the android app which we will downloaded in our phone.
- Student have to do registration and after that they can see the overall details about the Companies job information, college events and student can search alumni and they take advice from them about the job profile, salary, how to prepare for the campus selection and so on.
- In database management system (DBMS) we can store the alumni's data, DBMS manages all primary aspects of the database, including managing data, manipulation, user authentication and inserting or extracting data. The database defines what's called the data schema or the structure in which data is stored.

IV. RESULT

At present, the University under survey uses the traditional manual system in tracing its alumni. Generally, tracing of alumni is done per college. Every college is regularly conducting homecoming activities as a means of getting in touch with their alumni and in trying to see the relevance of the curriculum in the industry where they are working. The proposed system on the other hand, is designed and developed to automate the gathering of alumni information. The alumni tracking application is a web-based system that is accessible to all alumni. It can also be used as a website/medium for graduates and their respective college alumni coordinators to stay in touch with each other. Important data from the alumni are solicited through this platform. The proposed system on the other hand, is design and developed to automate the gathering of alumni.



V. CONCLUSION AND FUTURE SCOPE

Admittedly, alumni are valuable assets of the institutions of higher education. Thus, the more alumni communication will help the institution for greater opportunities of placement of current students and also it will help to get proper feedback and knowledge development of students as well as institution.

An alumnus tracking application developed will help the alumni to exchange knowledge, job opportunities in their current organizations which will benefit the institution for their placement activities. We had developed this application with current requirement of the institution based on android platform. This will be one app for everyone who are associated with the institute.

We would like to recommend that additional verification procedure be made to ensure that only bonafide alumni can register in the system. Main innovations encompass the inclusion not only of the alumni, but also the current students to the alumni portal, therefore, the link with the institute is strengthened from the beginning with a tendency to bolster the bond between the students (current and alumni) and the educational institution

ACKNOWLEDGMENT

I am thankful to Prof. Gauri Brahmanekar Project Guide, for her co-operation and suggestions. He has made valuable suggestions and gave guidance throughout for completing my project work. I wish to express deep heartfelt thanks to my guide and Head of Department, Dr. Makaranad. M. Jadhav, for giving valuable guidance and direction to my project work. He patiently provided the encouragement and motivation. His comments and precious suggestions made the entire journey to the final accomplishment of this work really pleasant.

I am very much thankful to Dr. Shivprasad P. Patil, Principal, NBN Sinhgad School of Engineering, Pune for providing excellent facilities in the college to carry out this project stage-I work.

I wish to thank all the faculty and staff members of department for their sincere co-operation, kind blessings and warm well- wishes I would like to thank my parents for giving me the determination to pursue undergraduate degree. This work would have been incomplete without the contribution of my family members. There are many more individuals and friends who directly or indirectly contributed in good measure during the work. I extend my sincere thanks to all of them.

REFERENCES

- [1] "OAAA - Oman Academic Accreditation Authority", Oaaa.gov.om. [Online]. Available: http://www.oaaa.gov.om/Institution.aspx#Inst_ReviewDwnld. [Accessed: 25- Oct- 2019].
- [2] Study Programme Quality: Alumni Tracking Information System. In: Kocarev L. (eds) ICT Innovations 2011. ICT Innovations 2011. Advances in Intelligent and Soft Computing, vol 150. Springer, Berlin, Heidelberg.
- [3] Castellano, M.E., Sundell, K.E., & Overman, L.T., (2010, January). Year 1 technical report: Rigorous tests of student outcomes in CTE programs of study. Louisville, KY: National Research Center for Career and Technical Education.
- [4] Christensson, P. (2006). JavaScript Definition. Retrieved 2020, Apr 7, from <https://techterms.com>
- [5] D Yang, Research on Alumni Resources' Effect in Colleges and Universities Development. Value Engineering, 8(2013)975-975 (in Chinese).
- [6] K.J Dochen, The University of Texas Elementary School: designing an alumnus tracking system. (2012).