ALUMNI TRACKING SYSTEM

Miss. Shahin Chaudhry¹, Miss. Poonam Ingle², Mr. Tanmay Indulkar³, Prof. Supriya Joshi⁴

1-2Student, Dept. Information and Technology, A. C. Patil college of engineering, Maharashtra, India
4Associate Professor, Dept. Information and Technology, A. C. Patil college of engineering, Maharashtra, India

---***---

Abstract - *Alumni profiling is vital in an educational institution. The bottleneck lies in gathering complete and real-time information for better engagement with the alumni and real time information is important in decision making process Keeping track of alumni profiles and maintaining contact with them are of important concern of the university. It is an effective way to access and evaluate curricular programs of a university. In most cases, the college and alumni are not connected to each other, so, to be able to connect them we will address the following issues:1. Tracking the alumni 2. Providing dynamic information of alumni3. Assessing the impact of the alumni in their respective industries.*

1. INTRODUCTION

In today's world it is very important to keep track of the students who have graduated from college. In the current scenario the database or record of alumni is maintained by college is static, because of this the real time information of the alumni is not present on any central platform. So, to overcome this there is a need for a system which can keep our college graduates in real time so that the college staff can check their student's status. Alumni Tracking system is an online based application that helps to enhance the tracking of college graduates. Keeping track of alumni profiles and maintaining contact with them are of important concern of the university. Me and my group members in this project got motivated for this when we saw that it is a very difficult job for the college staff to collect and update information of the students manually. So, our goal is to reduce the time and effort required for the college to collect and update the information and it's an effective way to assess and evaluate curricular programs of university. In most cases, there is a disconnect between the university and its alumni. It collects alumni data upon the graduation of the student. This information rarely gets updated. To be able to address the disconnect, the research will address the dynamic avenue for alumni engagement.

As of today, most of the colleges are keeping the alumni records in the static format. This information is to be updated manually for each and every or through by creating a google form or something like that, which is a very time consuming job for both college authorities and as well as for students.

A. Objectives:

1.Objective of our proposed work helps in analysis of all graduates and helps faculty to sort the alumni data quickly so it saves time.

2.One of the major objectives of this system is to keep persistent records of all the college graduates.

3.To develop, encourage and fellowship among the students, teachers, senior staff of the college.

4.To develop, encourage and fellowship among the students, teachers, senior staff of the college.

5.Providing dynamically access to staff.

B. Scope:

1.Contact alumni officer:

It would be very useful if the members of the alumni website which former students of college could directly contact the alumni through the web site**.**

2.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 website. That is why it would be useful to be able to set some information, such as contact details as private or public.

1.1   LITERATURE SURVEY

[1]Alumni Tracking Using Google Map API and Social Media based on GPS and LBS:**This work was carried out in 2016 by Nikita Mittapelli, SnehalChavan, JyotiKumari.**

Development of mobile internet technology and wide usage of SmartPhones is increasing rapidly, so more focus has been given to network access techniques and interactive applications through mobile phones. Android, an open source platform has become popular in smart phones and used more by people. Aim of our project is to develop an android application which will be useful to track all the alumni by their social media account information using web API's. All this information will be stored in the database or server and it will be visible to the admin or professor in charge. We will be tracking the location of alumni by GPS (Global Positioning System), if the internet is not available the LBS Location Based Services will be used and the location will be plotted on Google Maps. Alumni to alumni messaging facility (chatting module) is provided through GCM(Google Cloud Messaging) technology.

[2] *Gathering Alumni Information from a Web Social Network: It was carried in 2016 Gabriel Resende Goncalves; Anderson A. Ferreira; Guilherme Tavares.*

In this paper we study an undergraduate program must prepare its students for the major needs of the labor market. One of the main ways to identify what are the demands to be met is creating a manner to manage information of its alumni. This consists of gathering data from program's alumni and finding out what are their main areas of employment on the labor market or which are their main fields of research in the academy. Usually, this data is obtained through available forms on the Web or forwarded by mail or email; however, these methods, in addition to being laborious, do not present good feedback from the alumni. Thus, this work proposes a novel method to help teaching staffs of undergraduate programs to gather information on the desired population of alumni, semi automatically, on the Web. Overall, by using a few alumni pages as an initial set of sample pages, the proposed method was capable of gathering information concerning a number of alumni twice as bigger than adopted conventional methods

[3]A Chatbot-based Interactive Question Answering System:**This work is carried in 2015 by Silvia Quarteroni and Suresh Manandhar.Interactive**

Interactive question answering (QA) systems, where a dialogue interface enables follow up and clarification questions, are a recent field of research. We report our experience on the design, implementation and evaluation of a chatbot-based dialogue interface for our open-domain QA system, showing that chatbots can be effective in supporting interactive QA.

1.2 PROBLEM DEFINITION

As of today, most of the colleges are keeping the alumni records in the static format. This information is to updated manually for each and every or through by creating a google form or something like that, which is a very time consuming job for both college authorities and as well as for students, To overcome the issue of manually updating the alumni information in the database and to reduce the time requirement.

2. PROPOSED SYSTEM

A Data Collection

Step 1: Providing specific keyword to crawler.

Step 2: Crawler tracks the student's data through different websites like Facebook and LinkedIn.

Step 3: Then it will match the provided keyword from those pages.

Step 4: Crawler makes it offline if the keyword is match then store into the database or in excel sheet.

B Data Sorting

Step 1: After getting the data, arranging the records of students.

Step 2: Choosing a specific field like year of passing, batch, post using comparison-based sort.
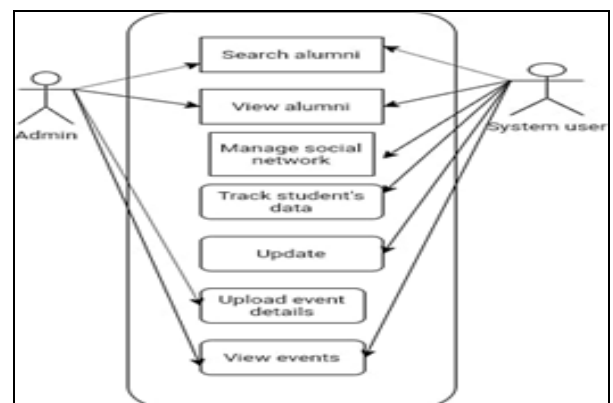
C Data Storing

Step 1: Firstly, here we are going to make a format in such way that the tracked data will be store mannerly.
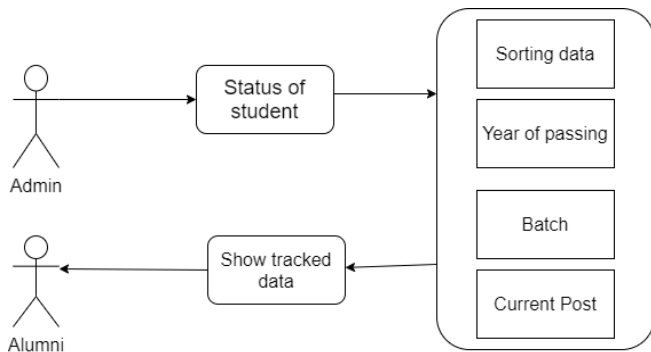
Step 2: After making format (batch, year of passing, post etc.), we'll upload the tracked data using crawler.

2.1 WORKFLOW

A. Use case diagram

B. Activity diagram

2.2 IMPLEMENTATAION METHODS

1. Crawler

The web today contains a lot of information and it keeps on increasing everyday. Thus, due to the availability of abundant data on the web, searching for some particular data in this collection has become very difficult. Emphasis is given to the relevance and robustness of data by the on-going researches. Although only relevant pages are to be considered for any search query but still huge data needs to be explored. Crawler is a program which traverse through the web, searching for the relevant information using algorithms. A web crawler always downloads web pages only in fraction, thus for getting relevant pages in first few downloads there is a need for prioritizing web pages. Different algorithms are used for selecting the pages to be downloaded.

A. Breadth first search algorithm

This algorithm aims uniform search across the neighboring URLs present at the same level. This algorithm starts at the root URL and searches all the neighboring URLs at the same level. If the goal is reached, then it is reports success and the search terminates. If it is not, search proceeds down to the next level, sweeping the search across the neighboring URLs at that level and so on until the goal is reached. When all the URLs are searched, but the objective is not met then it is reported as failure.

B. Path Ascending crawling algorithm

This algorithm crawls each path from the home to the last file of that URL. This nature of the crawler helps to get more information from that site. In the above way a crawler ascends to every path in each URL (Uniform Resource Locator) that it intends to crawl.

2.3 RESULT AND DISCUSSION

First we automated Google Chrome or controlled by the our developed software.
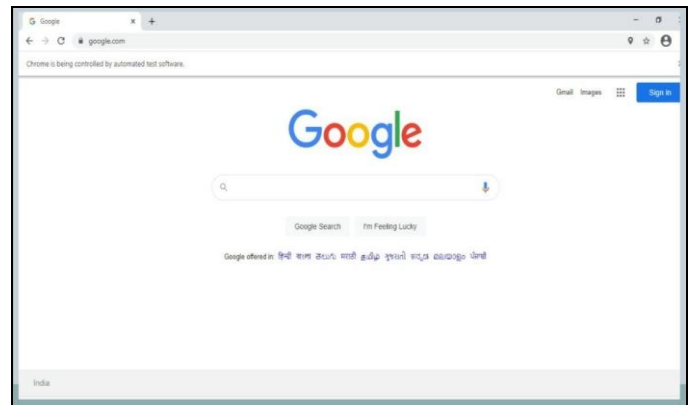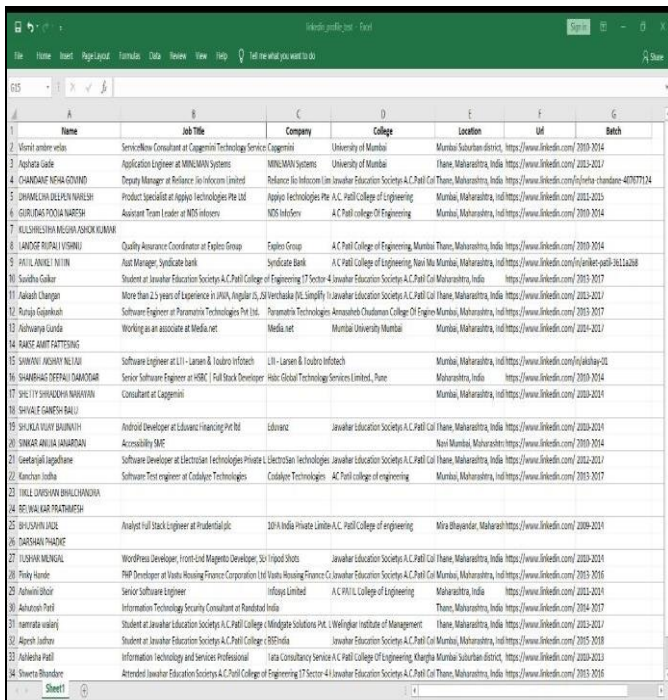
This below screenshot show, It will automatically open our provided profile or id.
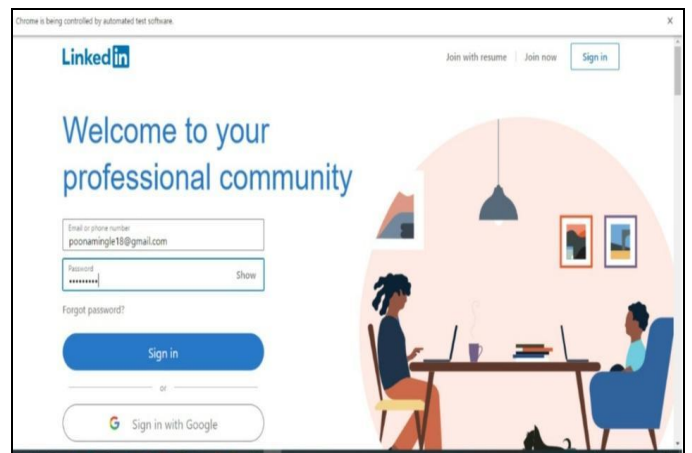
Then it will take to our profile automatically, after that we will try to scrap the alumni.
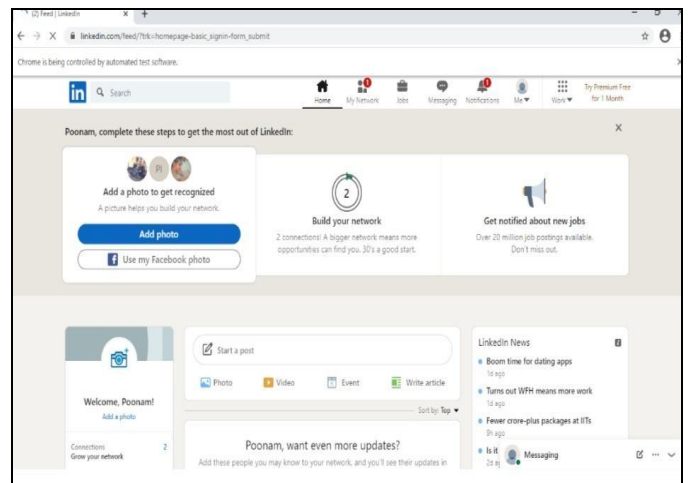
After fetching the result will be automatically stored into a CSV file.

[2] Ige Tanvi Dattatray1 Fulse Anjali Vyankat2, Patil Priti Parmeshwar3-Alumni Web Portal

[3] I.P. Vuksanovic, B. Sudarevic, "Use of web application frameworks in the development of small applications," MIPRO, 2011 Proceedings of the 34th International Convention, (2011), pp.458,462, 23-27.

[4] Shaimaa Q. Sabria, Akeela M. Ahmadb & Maiwan B. Abdulrazaq A-Design and implementation of student and alumni web portal, Sept., 2017.

3. PLAN OF WORK
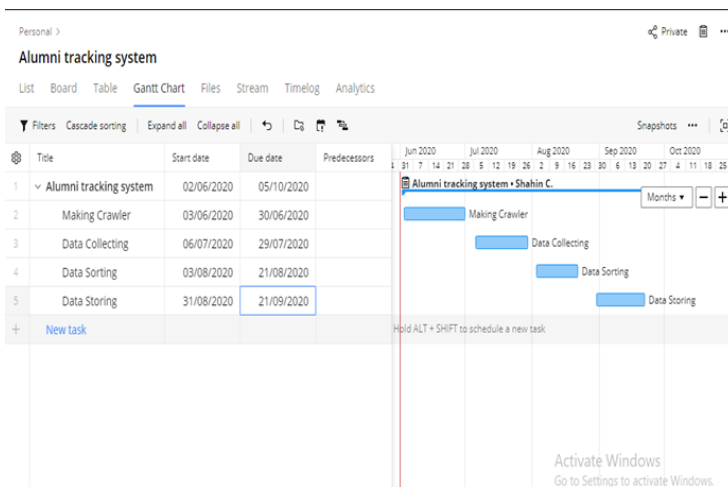
4. CONCLUSION

The database of alumni is maintained by college which is static, Due to this reason the real time information of alumni is not present on any central platform. So, our system will solve this problem which can keep all college graduates in real time.

5. REFERENCES

[1] Scales, K, Owen, *C.,* Shiohare, S., Leonard, M., "Preparing for Program Accreditation Review Under ABET Engineering 2000: Choosin Outcome Indicators", Journal of Engineering Education*,* Vol. 87, NO. 3, 1998.