

An Automated Solution to Training and Placement Cell Activities

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Abstract: The paper is aimed at developing an application as an “An Automated Solution To Training And Placement Cell Activities. It can be accessed and effectively used throughout the organization with proper login enabled. This application can be used for the Placement Officers in the college to manage the student information with regard to placement. Student logging should be able to upload their personal and educational information in the form of a resume. The key feature of this project is that it is one time registration enabled. Our project provides the facility of maintaining the details of the students. The management of Training and Placement is supported by databases, spreadsheets and E-mail communications. It also provides a requested list of candidates to recruit the students based on given query. Administrator logging may also search any information put up by the students. It intends to help fast access procedures in placement related activities and ensures to maintain the details of the students.

Keyword: Automation, Activity, Interface, updating.

I. INTRODUCTION

The use of the Internet and the World Wide Web has revolutionized the provision of information and the facility for the user to take action on the information obtained. Use of the internet to enable students and companies to manage the placement process with the active involvement of the placement coordinator [1]. This led to a unique web-based placement management system developed specifically by the placements practitioner and the software programmer to become An Automated Solution to Training and Placement Cell Activities.

An Automated Solution to Training and Placement Cell Activities provides information on placement providers and the placements they offer so that students may view and assess their opportunities. This web site has developed to inform the students of vacancies and how to prepare for their work integrated learning experience. An Automated Solution to Training and Placement Cell Activities is an application to facilitate students to register, search and apply for jobs. The users can access easily to this and the data can be retrieved easily in no time. In the student registration form, we can give personal details, educational qualifications, and professional skills and upload resume. The job details of the placed students will be provided by the administrator. The job provider and the placements coordinator to take effective actions on the web as follow-on from the information they have viewed. The coordinator

plays an important role in our project. Coordinator provides approval of student registration and updating [2].

Actually their activity is under two steps the first one is, to maintain the list of students and their credit records. The second job is to maintain the company details and based on the company requirements, need to select the students and make the list of students branch wise, which is more complex task, and here informing is through notice boards, whereas this is also a bit old fashioned task, which can be automated in our proposed system by sending mails to the respective candidates [3].

It will reduce the paper work and utilize the maximum capabilities of the setup and organization as well as it will save time and money, which are spending in making reports and collecting data. It can be access throughout the organization and outside as well with proper login provided. This system can be use as an application for college to manage the student information concerning placement [4].

II. LITERATURE SURVEY

The existing system does all process manually. Placement officers register the information of students. If any modifications or updates are required in the profile of any student, it has to be done manually. This is tedious and time consuming, lack of security of data, took more man power, and consumes large volume of paper and space. This process is so difficult when number of user's increases [1].

Searching is done manually based on company criteria. TPO will identify the eligible students by looking the excel sheet. TPO has to see each and every student marks and their eligibility. No searching method is provided. The student will get notified through traditional method i.e. using notice board. There may be chances of loss of opportunity. The students were not being made aware of the TPO activity. Since the number of students are growing and management has to handle records of all students. It is facing a little bit problems in maintaining the records of students. It is required to design of a computerized automation solution to training & placement cell to speed up capability [2].

The present system is not completely computerized. The Training and Placement cell have been carrying out their several jobs manually which makes the job complicated and tedious most of the times. To make this laborious job simple and accurate the best way is computerization, automation of the current environment [3].

For example, in the current system placement officer has to collect each and every student details for placements. Placement officer and student have to consult each other directly if any information is needed. If any new company come for placements, placement officer and his staff has to search the student details manually and they have to find the eligible candidates for that part cure placement [4].

In dec-2013, Mr.Nilesh Rathod ,Dr.Seema Shah and Prof. Kavita Shirsat ,proposed Online Training and Placement System meant to give more easiness to the users that they can add and retrieve information so quickly. Once you open this web application at the front end all the schedule/event are available to everyone. Also in the every current student login this schedule/event are available. There are mainly six types of users they are Current Student, Alumni, Training and Placement Officers (TPO) of the college, Training and Placement Staff, Departmental Staff and Companies. The administrator is the master user; he gets the most number of priorities than the other users. The different functions involve the case of an administrator are updating, approval. The administrator can view and approve the various application forms[1].

In mar,apr-2013, Shilpa Hadkar,Snehal Baing,Trupti Harer,Sonam Wankhade, K.T.V.Reddy solve the problem of student and the staff for using the training and placement details by adapting the automation of this cell. So goal of our project are:

- 1) Reduces the work pressure of the T/P cell staffs
- 2) Provides the statistics of students placed
- 3) Informing students about the events going to take
- 4) Easy retrieval of student data[2].

In 2016, Anjali.V, Jeyalakshmi.PR, Anubala.R,Sri Mathura Devi.G,Ranjini.V, proposed system is to develop a system with improved facilities. The proposed system can overcome all the limitation of the existing system, such as student's information is maintained in the database, it gives more security to data, ensures data accuracy, reduces paper work and save time, only eligible students get chance, it makes information flow efficient and paves way for easy report generation, reduce the space. proposed system is cost effective[3].

In mar-2016, Vikrant A Agaskar, Surjit H Singh, Srujan S Chaudhari, Keyur P Rajyaguru, proposed system is a one stop solution for the existing issues. Considering all the tasks that are important for TPO and need to be performed efficiently are included in the application. Their concentration is not only on performing calculations on data and generating lists according to eligibility but also on providing students with all-round help regarding every activity of the Placement and Training process[4].

In mar,apr-2016, Swati Choudhary, Monica Landge, Shital Salunke, Swarupata Sutar, Kirti Mhamunkar,the system give easy access to the users that they can add and retrieve information so quickly. The proposed system is fully computerized, which overcome all the drawbacks of existing system. There are mainly four types of users they are Admin, Student, Companies and Forum. The administrator is the master user who performs different functions like approval and authentication[5].

III. SYSTEM ARCHITECTURE

The proposed System meant to give more easiness to the users that they can add and retrieve information so quickly. There are mainly three types of users. They are admin, student and coordinator. The admin is the master user; he gets the higher priorities than the other users. The admin can view the various application forms. The different functions involve the case of an coordinator are updating, approval the student. Students can register and view the details.

The coordinator can view the details of the students and can approve or reject their applications. The proposed system is intended to avoid all the drawbacks of existing system. It will add some more features than the existing system. The proposed system is a cost effective way of doing the manual processes done in the existing system. The proposed system is intended to do the following:

- Prepare and Produces accurate output
- Reduce time needed
- Make information flow efficient
- Attractive user interface

Our project has a big scope to do, such as Students can access previous information about placement. We can store information of all students. Various companies' data can be accessed by the student. Notifications are sent to students about the companies. All registered students with Placement Cell are entitled to placement assistance, counseling for employment and even self employment.

The Placement Cell assures support to the visiting companies at every stage of the placement process by

making Institute infrastructure available to them. The Placement Cell acts as an interface between the Industry and the students and primarily enables the students to select their career options. It also facilitates the selection process of all the companies, as per their requirement. The placement cell interacts with corporate, organizations to provide suitable jobs for the candidates completing their studies from the Institute. The placement cell also conducts Seminars and Workshops to enable the students of the Institute to become successful professionals.

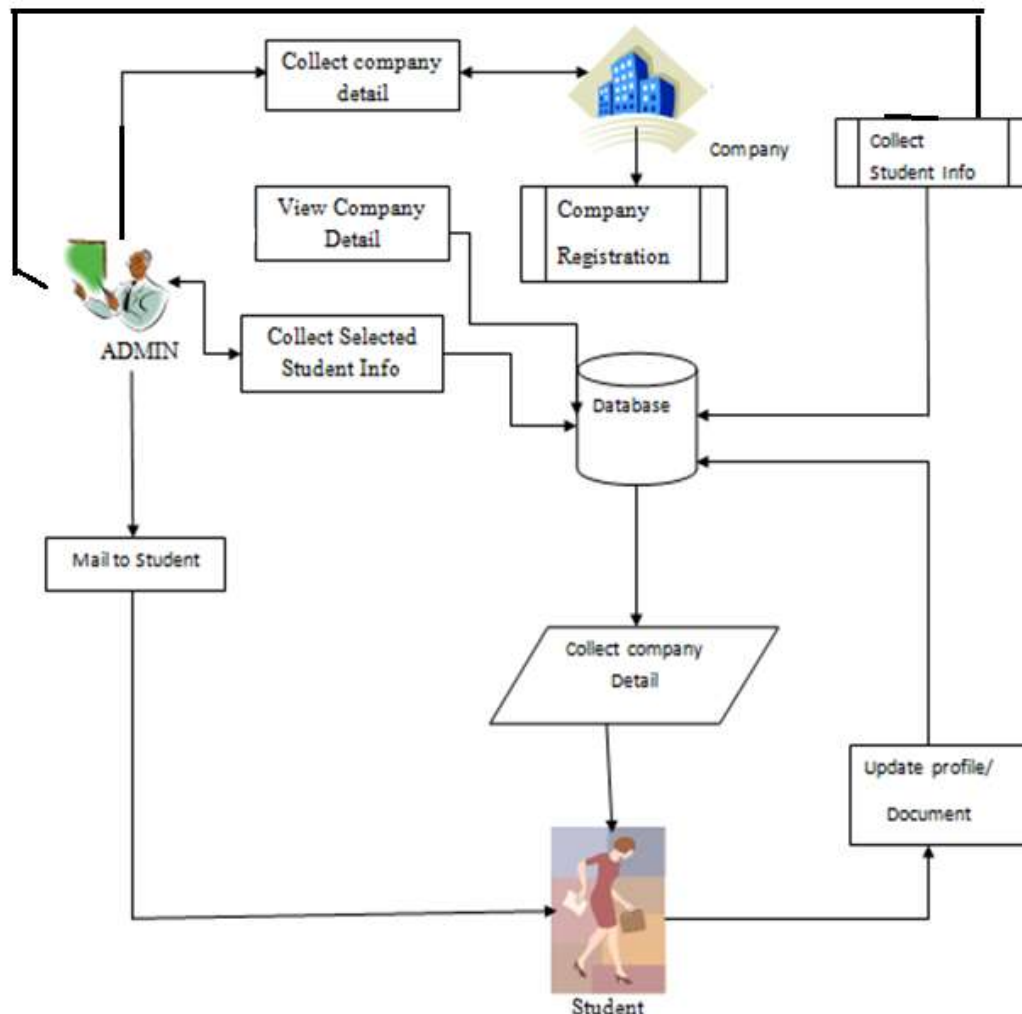


Figure 1: System Architecture

IV. METHODOLOGY

In this project students can register. Students will register by filling the details. Online updating facility will be provided after registration. After each registration of student, record will get verified by coordinator. Student will identify by their department.

In student module, student will register their self by filling the personal detail, educational detail, etc. They can also update the information and can check the company details.

The communication Section is used for Communicating with coordinator or admin or student. The communication panel viewable to all not only communication purpose but also transferring the knowledge .The purpose of the Forum is if student has logged in he/she can ask/answer the question else can view only and also they can share the ideas with related activities.

The admin is the placement officer who views the student's details, company details. Send the mail to the student for complete information's of a particular campus drive.

On the information desk the data available is T&P and alumni details. Company information is also provided to the student. In this section we are providing the Download link where student can register for company and also check for company detail. The available information is company criteria, List of eligible students, selected student list display and schedule of any activity. And all on the above activities the administrator will have control over this.

The objective of the Training & Placement cell is to create clients from various reputed organization/Industries and immediately start contacting them on phone or by writing letter and introducing our institute to them and requesting them to visit our institute to absorb our passed out students in various streams, which are suitable for their organizations/Industry.

Taking clue from TNP department regarding vacant vacancies, the students are deputed to attend Interviews at the premises of the Companies on specified dates and time for their placement.

Details about the new companies/organization are gathered after making a search on internet and contacts are made for placement of the students in their organizations. Websites of the Companies/organizations are visited so as to know the detail of the companies and the vacant vacancies lying there in, so that the passed out students could be deputed to attend the interviews there. Proper computerized data of placed students has been maintained. Proper Registration Form is got filled up from the students for their enrolment in the placement cell.

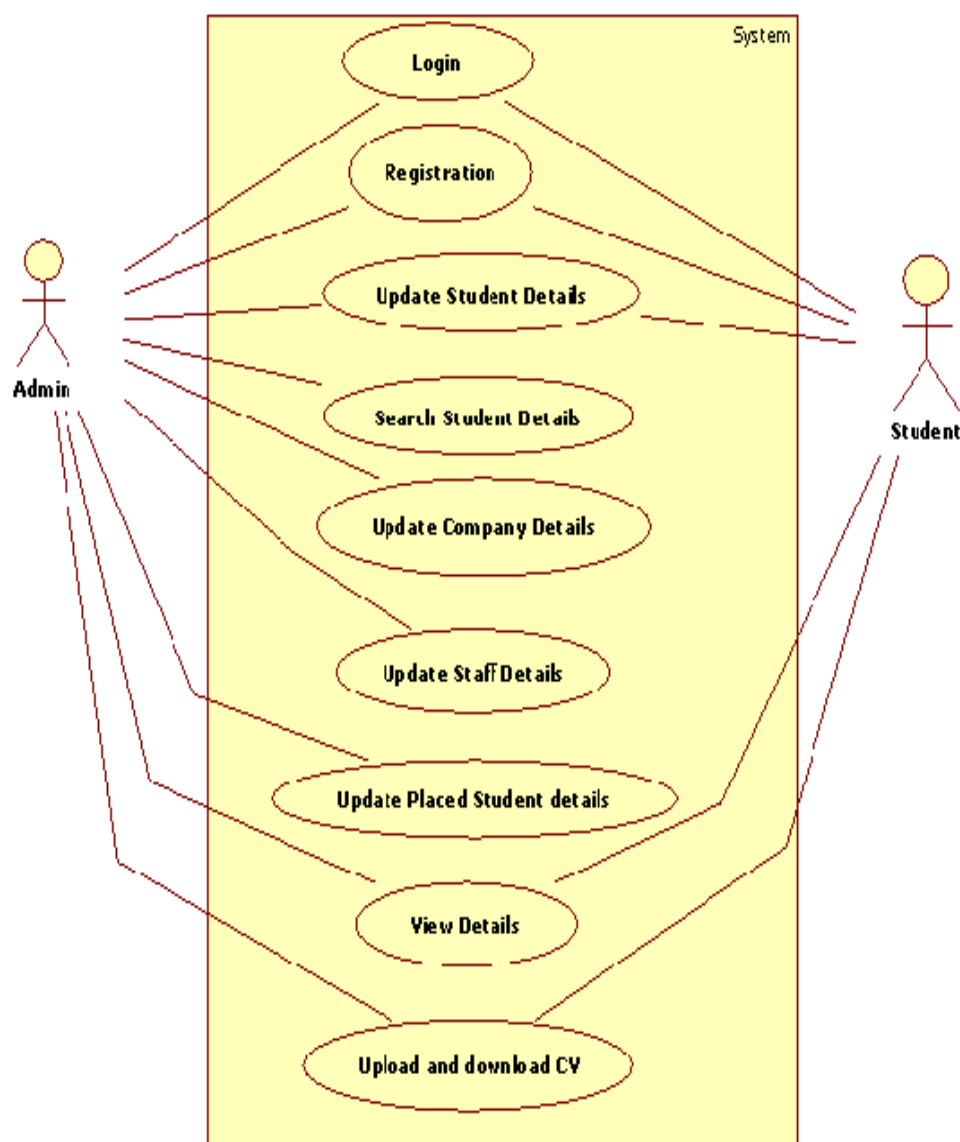


Figure 2: Use case Diagram

V. CONCLUSION

The existing system is not automated and is very time consuming for both the TPO and students. The big problem is the searching; sorting and updating of the student data and no any notification method available for giving information to student expect the notice board. This system is automated in which sorting, searching and updating can be performed. We can generate criteria wise student list and also we can generate the selected student list department wise.

REFERENCES

- [1] Mr.Nilesh Rathod ,Dr.Seema Shah and Prof. Kavita Shirsat,," An Interactive Online Training and Placement System", *International Journal of Advanced Research in Computer Science and Software Engineering*, Volume 3, Issue 12, December 2013.
- [2] Shilpa Hadkar,Snehal Baing,Trupti Harer,Sonam Wankhade, K.T.V.Reddy," College Collaboration Portal with Training and Placement", *IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661, p- ISSN: 2278-8727*, Volume 10, Issue 2 (Mar. - Apr. 2013), PP 79-81.
- [3] Anjali.V , Jeyalakshmi.PR, Anubala.R,Sri Mathura devi.G,Ranjini.V,"Web Based Placement Management System", *International Journal of Computer Science and Information Technologies*, Vol. 7 (2) , 2016, 760-763.
- [4] Vikrant A Agaskar, Surjit H Singh, Srujan S Chaudhari, Keyur P Rajyaguru, "To Automate Entire Placement and Training Cell for The College using Android Application with Cloud Computing", *International Journal of Advanced Research in Computer and Communication Engineering* Vol. 5, Issue 3, March 2016.
- [5] Choudhary, Monica Landge, Shital Salunke, Swarupata Sutar, Kirti Mhamunkar, "Advanced Training And Placement Web Portal", *International Journal of Technical Research and Applications e-ISSN: 2320-8163*, Volume 4, Issue 2 (March-April, 2016), PP.75-77.