

Review on Training & Placement Cell System

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Abstract— in this paper Training & Placement Cell System is a System Which allows the college and the companies to manage the student's information about campus recruitment collecting and managing the information about students manually has become very hard. Now days, to make this process easy and effective a part of college administration is made specific to do this job. And this part is called Training & Placement cell System. This System is made or can be made through various techniques like android based application, web based or by using many programming languages like Java, Android, ASP.NET and Python. To perform the activities related to placement services, the system's purpose is to design a system that provides functionalities. It is based on complete modular architecture this modularity of the architecture will allow us to replace or add modules in the future as a way to enhance a particular feature of particular situation. Some of the modules are implemented by means of managing placement and training in the present work.

Keywords— Training & Placement Cell System, Android, Students, College, Modules.

I. INTRODUCTION

In this paper the main aim is to provide the information about placement in a proper way. It has different modules like student modules, company module, and admin module. By using this module TPO can easily handle the management of information about student profile in which TPO is act as an admin module. This system provides a smart communication between industry institute and students. It also has databases which is a conventional way of managing student data. In different institute they used paper works for create database of student information which is time consuming process. All these problems are solved using online system, Android based application, Web based system by using different technologies like Python, Java, Android, .NET etc. This system is secure. Many TPO systems have a technique for change password which is highly secured. In this system we collect information of all institute students and fetch them according to the required criteria of company. Admin has authority of full access reserved over the system. Students mainly upload their CV and get resources by TPO and company.

II. AUTHOR NAME AND AFFILIATION

A. *Online Training and Placement System (IRJET) - Inamdar S.Y. et.al [2].*

It has become need for each and every student, but for that they need to travel worldwide in searching of jobs. As the earlier system was totally done manually by maintaining

records, we had proposed online training and placement system for simplicity of these whole hectic procedures. It is very difficult to maintain coordination between student and companies and it is also time consuming. For better Services in placement, it is vital to use our proposed system in colleges. To prepare the students, to make them ready for industry employment, this system is used and also provides Training and Employment opportunities for students.

Advantages-

- It has company modules in which company directly connected to the students.
- It also have an SMS integration page which gives and instant messaging to notify students as most of don't go through emails.

Disadvantages-

- It does not working if any internet connection loss or offline mode.
- It only working with the internet connection.

B. *Training Placement Activities in Context with Industry Institute Interaction (IJERMT) - G. Kumar et.al [5].*

The placement cell holds the objective of connecting students of the institute with different industries. The placement cell organizes several placement activities .its work on separate domains, are rapidly coming closer to each other. The aim of training is to change the student into good personalities, who used to be decisive knowledgeable and responsible leaders.

- i. Role of alumni-a group of people who have graduate from school or university .it is used to refer to a group of graduates of either one or both genders.
 - a. The main goals of alumni are:
 - b. Training and placement of the student.
 - c. Infrastructure of the development.
 - d. Guidelines, analysis
 - e. Curriculum design guidelines
 - f. Student benefit scheme

Advantages-

- It provides industry institute interaction.

Disadvantage-

- In this paper industry is not directly connected to the students.it used the interface of institute interaction.

C. *Placement Support System (IJARCCE) - Rupali Komatwar et.al [3].*

Placement Support System is an online application. With proper login provided, this application can be accessed outside as well as throughout the organization. To manage the student's information with regards to placements, this system can be used as an application by the Training and Placement officers of the college. It is computer based system which improves the system of whatever information, TPO has to send the students and she or he can inform online. It is more accurate than the use of pen and paper work.

Advantage-

- It is secure and accurate for institute, students, industry.

Disadvantage-

- It is not offline system.

D. Web Based Placement Management System (IJCSIT)-Anjali V et.al [1].

The main benefit from this project is that one time registration is enabled. It consumes less paper work and It takes less time. This project is developed with PHP and MySQL. The placement cell allows the companies to view the student's resumes in selective manner. The placement cell calls the companies to select their students for job via the campus interview.

In this project the main modules are:

- Student
- Company
- Admin

i. Student Module:

This is an academic record about academic career with facilities to modify record and viewing changed the record. The Students Views the company details and verifies particular company details and provide valid details for registration (Figure1) [1].

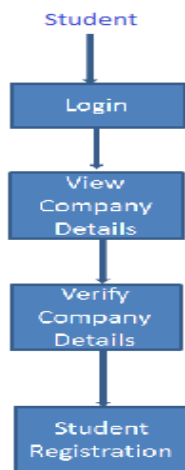


Fig. 1 Student module

ii. Company Module:

Companies have to login themselves and they register their profile they can view the student's details as well as maintain company profile and details (Figure2) [1].

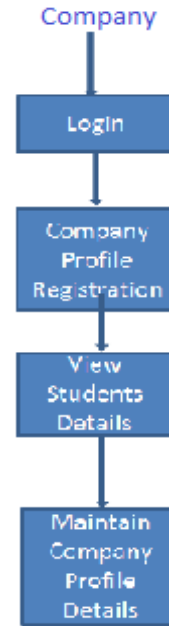


Fig. 2 Company module

iii. Admin Module:

Admin is placement officer who have to login themselves and can view the students and company details and sending mail to students (Figure3) [1].

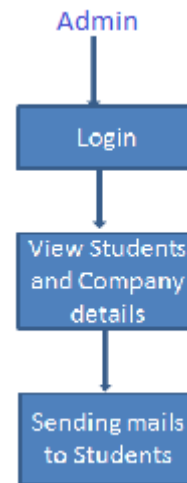


Fig. 3 Admin module

Advantages-

- Students can access previous information about placement.

Disadvantages-

- Notification sent through email.

E. Android Application for Training & Placement Cell-Aditi Gour et.al [4].

It provides a better way to make the placement process, less complex and effective for staff and students.it provides the user friendly application in which students easily gets notifications .it also provides the information interface to message the students and staff .students would be able to easily access the application.

MySQL database and Linux server are used in this application .the database will be connected to the application using PHP. It has three modules admin, staff and students. Students can view their profile and request changes to it by sending a feedback.

Advantage-

- It is android based application.
- The application could be used with the help of very limited training thus a very user friendly application will be created.

Disadvantage-

- It is not always easy to access the information which is stored on the server because sometimes the server can be temporarily down.

F. A Study Paper on college Collaboration Portal with Training and placement- Snehal D.Shriramjwar et.al [6].

Under this system all students of the current batches of different streams can registered their profiles .the system remains connected with the profile database of all students, which provide the monitoring of various scopes for student placements.

In past we have maximum manual work, so this system consumes the time and we don't have any database about past placements and students. But web application provides a better student support and time saving factor .it also maintain large database of students and placements.

Advantages-

- The web server and database server should be protected from hacking, virus etc.
- It is easy to use and it has only two jobs Continue the list of students and their credit records sustain the company details.

Disadvantage-

- The records were stored in modified access sheets and hence sorting problems.
- The files were not stored hierarchal format and hence searching problem occurs.

III. GAPS IN LITERATURE REVIEW

i. *Student directs interact with company through institute-*

When any companies are visiting in the institute at that time company should have to direct interact with the students so that student can free of fear about the company.

ii. *Direct messaging-*

When company is visiting in the institute than institute should have to automatically instant messaging to the students.

iii. *Telephonic interview-*

Company should have to take a telephonic conversation at the time of recruitment process of students so that they can save the time and save the money.

iv. *Skype interview-*

Company should have to take a Skype interview so company also saves their time as well as save their money.

v. *provide guidelines-*

For better guidelines in every application of TPO has to be provide previous year question paper and should give an interview lecture video to the student's for campus placement.

TABLE I COMPARISON TABLE

Author Name	Inamdar S.Y. et.al.	G. Kumar et.al.	Rupali Komatwar et.al.	Anjali V et.al.	Aditi Gour et.al.	Snehal D.Shriramjwar et.al.
Android	NO	NO	NO	NO	YES	NO
Python	NO	NO	NO	NO	NO	NO
web based	YES	YES	YES	YES	NO	YES
Identity management	YES	YES	YES	YES	YES	YES
Change Password	YES	YES	YES	YES	YES	YES
Graphical user interface	YES	YES	YES	YES	YES	YES
User Privacy	YES	YES	YES	YES	YES	YES
Direct interaction between student	NO	NO	NO	NO	NO	NO

and company						
Direct interaction between company and institute	YES	YES	YES	YES	YES	YES
Direct interaction between student and institute	YES	YES	YES	YES	YES	YES
Security	YES	YES	YES	YES	YES	YES

IV. FUTURE SCOPE

In future we add different features like direct messaging chat between company and student. Which provide a convenient way of interaction between student and industry. We also create an app which is a TPO app, is used to store information and maintain placement procedure of a particular area or state in a particular stream.

V. CONCLUSION

TPO create an environment which remove the pen and paper work and reduce the time consuming work. It use graphical user interface for designing, which provide convenient understanding about the structure of the system. It also have particular module for a particular area like for students details system have student module, for company details system have company module and for institute/TPO details system have own separate admin module. For security purpose also have password changing option. There are types of technologies which is used to develop a TPO system like web portal, android, java, python, php etc. It is very important system for those students who are graduate and searching for the jobs in different streams and areas.

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