# STUDY OF IMPLEMENTATION OF ONLINE PLACEMENT SYSTEM

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**ABSTRACT**

*Online placement system has very important role in college its aims at providing the help to automate and simplify the registration Process and list of eligible students generated for placement. This system do all work regarding placement like collection of student data, authenticate and activate the student profiles, notifying eligible students via Email, check the number and percentage of placed and unplaced student. Gives proper login with time and role based secured access is provided to placement officer, company, college staff and students. Students logging should be able to upload their information in the form of a resume. Placement officer can access, view information of user and prepare schedule of all activities regarding placements. Company can give their own application procedure by providing link. College staff can see the registered students and their status. All registered users are eligible to participate in forum*

## I. INTRODUCTION

The increasing advantages of automated system now are at highest position thus many manual processes are automated. Since the automated system is demanded now-a-days, educational infrastructures like colleges needed their manual system to function on computer system. One of such system which is of major importance is placement automation for campus recruitment. This project is aimed at developing a web application for the Placement Department of the college. This system can be used as an application for the Placement Officer of the college to manage the student information with regards to placement. Students logging should be able to upload their information in the form of a resume. So, all the information will store the details of the students including their background information, educational qualification, personal details, sessional marks, university marks and all the information related to their resume. This system helps Company to access the student information with regards to placement. Computer based information system are designed to improve existing system. Company can notify the students about the recruitment online via sending e-mail. This system can be used as an application for college to manage the student records according placement.

## II. PROBLEM STATEMENT

Now a day, Student joins the college for better education as well as for better placement for their future. So the placement activity takes important role. In existing system all the transactions are done manually. Fake entries can be there system is more error- prone & time consuming. Difficulty in managing data of students. Large files of records are to be maintained. Placement Officer has to collect the information of various companies who

want to recruit students and notify students time to time about them. It is a time consuming activity of managing, updating and informing specific student for specific company requirements.

## III. PURPOSE

Computer based information system are designed to improve existing system. Whatever the information, Placement Officer pass it to the student via E-mail notification. It has user friendly interface having quick authenticated access to documents. It provides the facility of maintaining the details of the students. 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 accessed throughout the organization with proper login provided. This system can be used as an application for college to manage the student information with regards to placement.

## IV. SCOPE

Project has a big scope to do. Students can maintain their information and can update it. Notifications are sent to students about the companies. Students can access previous information about placement. This project has a large scope as it has the following features which help in making it easy to use, understand and modify it:

• Automation of Placement Procedure
• No Need to do Paper Work
• To save the environment by using paper free work.
• To increase the accuracy and efficiency of placement procedure
• Management of Student Data
• Analysis of overall Placement

• **Project Objectives**

In order to avoid above existing placement problem we are planning to design a system for online Placement, so that Placement activities becomes more interactive, automated and effective.

1. Reduce the paper work and create data base of student.

2. Save time & work load for TPC.

3. Easy to access.

4. Avoid fake Entry.

5. Only Eligible students get chance.

6. Improve accuracy in result.

7. User friendly interface.

## V. PROPOSED SYSTEM

This project is aimed at developing an online application for the Placement Department of the college. Once you open this web application at the front end all the schedule/event are available to everyone. There are mainly six types of users they are Current Student, Alumni, Placement Officer of the college, 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. There are two types of student; Current Student and Alumni. Students can edit their Resume online, and update them constantly. When student fill the information for resume building they doesn't need or allowed to enter their yearly engineering marks, it will be extracted from result analysis documents of college. Students can very flexibly search for and View Company and vacancy details, and apply to vacancies by attaching a Resume. Students can access relevant resources placed online for them. A separate registration will be done by the alumni and separate profile will be maintained of each alumni. They will have access of forum, with which they can post queries, reply queries. This will help the current student as there will be sharing of ideas by alumni's. Students will also use the system to read important announcements, to obtain information on assessment, to see the results of assessments recorded in the system. Each user provided a different features & authorization. The Placement Officer can give an approval to edited information done by the student. In addition, Placement Officer can search the eligible student based the company criteria and can generate the list. Also system can send an automated email to the eligible student. Placement Officer can communicate with the student through the forum module. When Placement Officer first login, they see all the recently changed / created companies and vacancies. Placement Officer can gather information on all students for which they have appropriate permissions. They can see the information provided by the student like personal details, educational details, parent mobile number, extracurricular activity or other information. They put online notices, schedule and events so that the entire user can view this. One authorize Departmental Staff can register with the system. Staff can give the required material to the student for the placement. They also uploads/download the information. They can communicate with the Student or Placement Officer through forum. The companies will have to get register for the first time so that their information's like the URL, the contact information, papers, vacancies will be provide. Companies can edit their own contact information to help keep it current. Companies can view all students that have applied for vacancies, together with information on their availability, application time, cover letters, attached Resume etc. The proposed Online Placement system is intended to avoid all the drawbacks of existing system. It will add some more features than the existing system. The proposed Online Placement system is a cost effective way of doing the manual processes done in the existing system. This helps the organization to win the war in the existing competitive world.
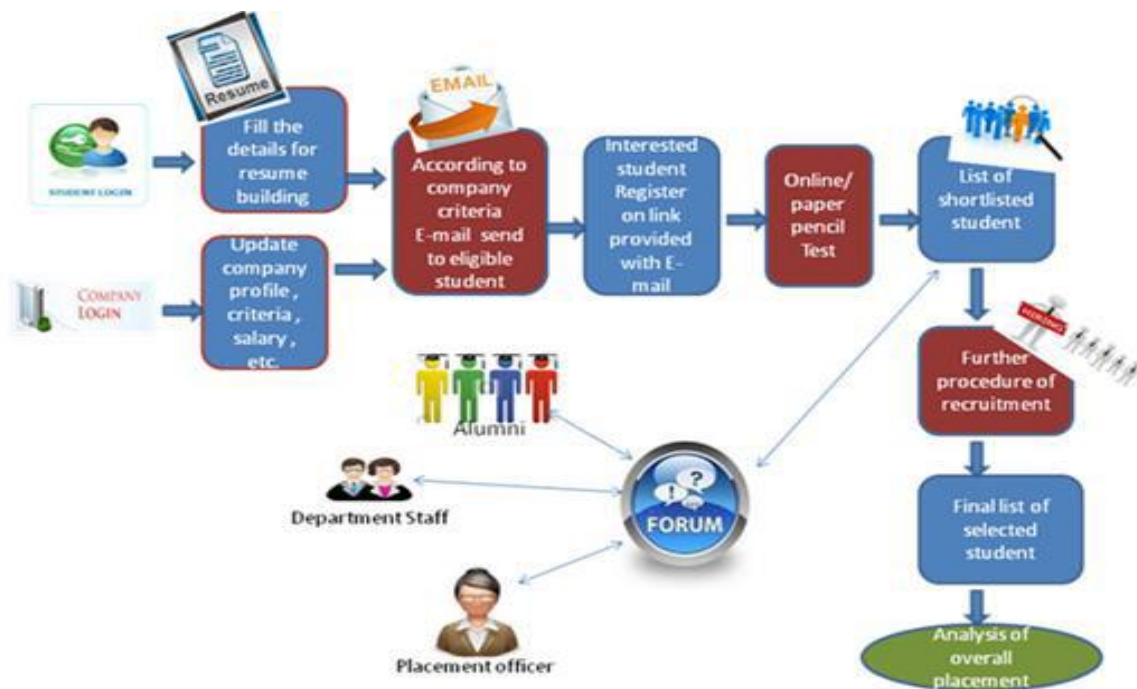
**Fig.1 Work Flow of Placement System**

- **Implementation of Tools:-**

Standardized format will be provided and student can use it to generate their resume. All students information will be available in the database .This information can be extracted automatically from the database for generating standard resume. This simplifies and speeding up the process of resumes building.

**Mail Notification:**

As per company criteria E-mail message will be send to eligible student. So, that interested student can register for company directly by clicking on apply button. Mail from system will be sent to each registered user keeping them updated all the time.

**Forum:**

Students, Department staff, Alumni as well as Placement officer can take part in forums. Student problems will be discussed in forums. Alumni student can share their experience. Placed or Shortlisted student can share their interview experience & questions asked.

*Report Generation:*

Analysis of Placed students, Un-placed students, department wise placement will be made available through this tool. Various algorithms can be used for placement analysis.

## VI. SYSTEM DESIGN

The system consists of three modules as admin module, student module and recruiter module. Each module has an same login page that contain user id and password field, by entering value in that field the user should login to the system.
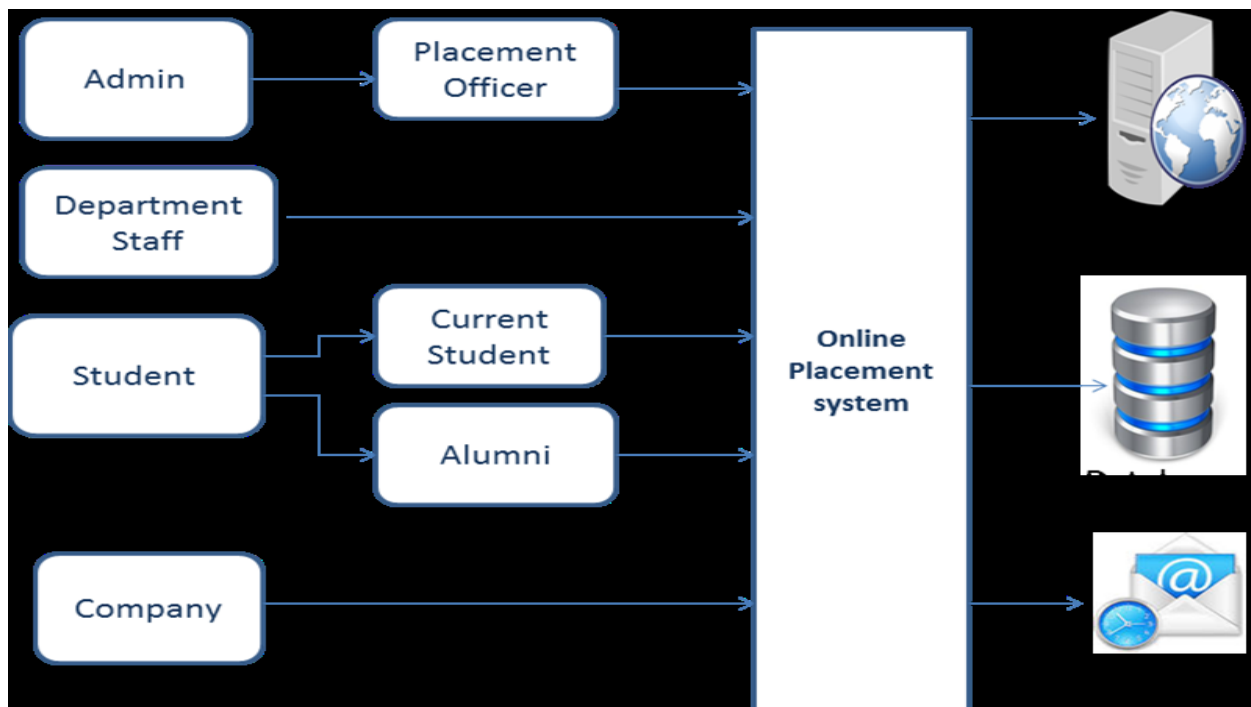
**Fig.2 Block Diagram**

- **Current Student:**

In the current student module, once the student login, they will see the news and events at the homepage. They can manage the profile by putting all the information. They can communicate with the other users. They can download the resources provided by the users. They can see the company registered, company website, criteria and other information provided by company.

- **Placement Officer:**

Placement Officer can prepare schedule & events about companies & flash it to the every student login as well as front page. They can contact with the company & can ask the detail information about company. They can take feedback & can see filled feedback given by alumni or company. Placement Officer can communicate with the users using forum

- **Company:**

Company can register with the college. In company module contact information, URL, Papers, vacancies will be provided. Company can edit their own contact information. Company can see how many students are eligible based on the criteria provided. Company can take feedback from Placement Officer.

- **Department Staff***:

One authorized staff can register with the system. Staff can upload the information. They can participate in communication in communication through forum. Staff can see the any notice sent by Placement officer. Staff can see the schedule or event in their login. Staff can see the company & jobs created by admin. Staff can see the registered student & their status.

- **Forum:**

All register users are eligible to participate in forum. Anyone can start the activity in forum & rest can give reply to that activity. Forum can be shown date wise. Forum can be uploaded topic wise.

## VII. TECHNOLOGY USED

• Struts 2
• Java
• Html
• Css
• Oracle
• JavaScript

**Struts 2**:

Struts2 is popular and mature web application framework based on the MVC (Model-View-Controller) design pattern.Struts2 is not just the next version of Struts 1, but it is a complete rewrite of the Struts architecture. The Web Work framework started off with Struts framework as the basis and its goal was to offer an enhanced and improved framework built on Struts to make web development easier for the developers. After some time, the Web work framework and the Struts community joined hands to create the famous Struts2 framework. The framework is designed to streamline the full development cycle, from building, to deploying, to maintaining applications over time. Apache Struts 2 was originally known as Web Work. The controller is implemented with a Struts2 dispatch servlet filter as well as interceptors; the model is implemented with actions and the view as a combination of result types and results. Struts2 is slightly different from a traditional MVC framework.

## VIII. FUTURE SCOPE

In proposed online placement system there is scope for improvement of the system. System is not providing the SMS integration. Hence, it can be modified to give the SMS integration. Apart from these there is scope for generating many more features. In the future we can place the system on the cloud so the maintenance of the data can be reduced. The Exam system will integrate with the online placement system so the student result can get directly. There can be many more future Enhancement & improvement in the Online Placement System.

## IX. CONCLUSIONS

In the existing Placement system, maximum work goes manually and is error prone system, takes time for any changes in the system. This big problem is the searching; sorting and updating of the student data and no any notification method available for giving information to student except the notice board. Proposed system gets automated in the online registration all the user, activation of the user and deactivation of the user, personalization to the user, resources to be provided online, communication between the users, and gives online feedback. The admin can see the user information and will validate it, generate the student list on the basis of company criteria; company details can be provided to the user, searching and sorting can be done, and reports to be generated. Alumni data to be maintained. Overall, all the process of the training and placement department is automated.

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