

Online Training and Placement Management System

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Abstract: As per the changing trend in modern era, training and placement is important aspect from prospective of the both institute and student. Some institutes are having the automated Training and Placement Management System and some institutes perform this manually. To minimize the manual work and avoid the frequent errors in manual work Training and Placement web application has been developed. This system contains two modules one for the Training and Placement Officer and the other module for the respective students. The work of Placement officer is to update the students about the upcoming placement or the training that is going to be held. The Training and Placement Officer also provides the details of the visiting companies, its criteria and result of all the successful student selected in respective companies. The students sign up in the web application, upload their CV, personal details and academic records and then they are notified if they are eligible for the respective company by a text message and E-mail. The Training and Placement officer goes through the complete record that is saved in the database and forward the names of the student who are eligible to the training or placement companies. The automated system reduces time and has less paperwork.

Introduction

The project is aimed for developing a web application for the Training and Placement department of our college. This online web application can be accessed throughout the college by the teachers and the students for their respective work. This system can be used as an application for the Training and Placement department of the college to manage the student information with regard to placement and training. This application aims in managing student records and makes it very convenient for the TPO officer to analyze student record to check how many students are eligible for upcoming training and placement companies. The students also provides their personal and academic information with the help of this application and gets updated regularly about the visiting Training and Placement companies. This web application aims at reducing paper works, save time and money, and utilizing the advantages of this application to the full extend.

Problem Statement

The existing system was completely the manual work. The Training and Placement officer has to check the records manually which often increases the paperwork. This manual search is very much tedious and time consuming. This process goes right when the count of students is less and when the count of student increases it increases the overhead. The manual updating and deleting of records to get the desired results increases the chance of errors.

Analysis of Existing Systems

- Existing System was totally manual so it was much time consuming.
- The analysis work is done by collecting the records from various files.
- It was very difficult to maintain document sheets as it contained large paper works.
- It often increases the overhead of Training and Placement Officer.
- This manual work was less secure as the information can be leaked easily.
- The Training and Placement coordinators used to contact the students manually which is tedious task.

Objective

- To consume very less time.
- To decrease the overhead of Training and Placement officer.
- To make the system much secure and reduces the paperwork, time, money.
- To provide regular update to the students about the training and placement drives.
- To provide access to all the faculties to check which student was present in which drives in order to monitor the attendance.

Algorithm Design

1. For Students

- They can go to the application.
- If they want to access the application they will need to sign up.
- If they are already signed up they must directly log in.
- The student can now upload their resume or they can solve the mock test papers.
- The student can get the information about the upcoming training and placement program that is going to be held or the company that is going to visit the college.

2. For Training and Placement Department

- They can go to the application.
- They can login to the application with their valid credentials.
- After they are logged in the application they can add students or any notification.
- Training and Placement Officer can add mock test papers or the visiting companies profile.
- Training and Placement Officer can add previous year paper of the companies and can also add the list of the placed students placed in different companies.

System Design

System analysis is a process of gathering and analyzing facts and looking for error in order to make the application more reliable, efficient and error free.

System should perform following tasks:-

- It should identify the drawbacks of existing systems.
- It should perform feasibility study.
- It should interact with other components to accomplish some purpose.
- It must reduce the error to make system more accurate and efficient.

• Role of user in the system

• **ADMIN (Training and Placement Officer):** Training and Placement officer is the administrator of the system and he is able to view details of all the students of different departments. Training and Placement Officer can upload different document to update the students and faculties for placement and attendance purposes. Training and Placement officer is also responsible for sending mails to the eligible students for the upcoming company. System will then retrieve all the eligible students based on company criteria and will send it to the company. Basically the Training and Placement officer generate the report department wise and then sort the students according to the mentioned criteria of the company.

• **Training and Placement Coordinator-** Training and Placement Coordinator works under the officer to assist the students if they are facing any issues regarding login, signup or any other difficulties. The coordinator works according to the directions given by the Training and Placement officer in order to ensure that all the student and complete system works correctly and smoothly without any difficulties. If the students face any difficulties the Coordinator reports to the Training and Placement officer and works under his guidelines to resolve the problem faced by the students.

• **Students-** Once the students have logged in the application they can easily make changes and edit their profile. The student can add their personal information, academic records and can also upload their CV. The Students get the information about the upcoming companies through email. The students can download the previous years sample paper of the companies that is going to conduct a drive in college.

RESULT AND DISCUSSION

The earlier system was completely manual and not computerized. All the student information was maintained manually and this manual system leads to poor communication between the students and the Training and Placement officers. If company come to

conduct a drive in a college the Training and Placement officer and his coordinators for search for the eligible students manually which takes lots of time and increase their overhead. There might also be chances that some of the students are missed.

We have developed this web application which resolves the drawbacks of existing system by consuming less time and provide a wonderful medium to pass the information and communicate with each other.

All the students and faculties have some common services like changing password, updating details, searching for the details, checking for details and reading the material uploaded by the admin if the user is student.

By using this web application the Training and Placement work becomes much easier and user friendly.

Conclusion

Generally the Training and Placement department of the college faces lots of problem in managing students data manually. The proposed application serves all the mentioned problem and reduces overhead as well as paper works. Comparing this web application with the manual one it perform task in faster pace. The system provides security to the application and software and also create a user friendly environment to manage all the task and records efficiently.

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