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## WEB BASED AUTOMATION OF TRAINING AND PLACEMENT CELL

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**Abstract:** Web based Training and Placement Cell Management is a leading step in automating the very much manual and tedious task of training and placement department. This provides a platform which has all the required information of students and so it can match the exact student profile with the company's requirements. Main purpose of this project is to provide a friendly access to its user, may it be a student, a training and placement officer or any official of the college. Students would be easily feeding there required data into the system and then the TPO can also easily fetch the required matching student details. As this would be a complete automated system it will reduce lots of human efforts and also will save a lot of time of both Students and TPO in submitting and chasing for the required data respectively. This system could also be used as a central depository which controls/possess the entire data of student academic details.

**Keywords:** Web, Placement Cell

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## INTRODUCTION

The current system is computerized but it does not fulfill all the requirements that are needed by the Training and Placement Cell. So to overcome some of its limitations we are proposing this new system. In older system the data taken by the students is maintained automatically but to sort them according to the company criteria has to be done manually by the TPO's. Manual sorting is a tedious job and can sometimes lead to inaccuracy. To make this laborious job simple and more accurate, the best way is atomization of the current environment

The main purpose of this application/project is developing an online application for the Training and Placement Department of the college. As it is an online application, so it can be accessed easily throughout the organization and outside as well. This system behaves as a central repository of all the student information. So this system can be used as an application for the TPO of the college to manage the student information with regards to training and placement in different organization. This Online Training and Placement system, manages all such activities that will save time, manpower and the biggest advantage of being it web based. This system is designed in such a way that it will receive the exact requirement of a company and will automatically check for the matching student profile.

This web based T&P system will provide better prospective for the enhancement of organization regarding to quality and transparency.

Thus, the goal of Training & Placement Cell is to provide employment opportunities & world class training to students in leading organizations.

## 2. RELATED WORK

As we know this project is aimed at developing an error free and easy to handle on-line training and placement management system for the college and also due to its various flexible features, such system is developed and successfully implemented in many of the colleges in India and throughout the world. Each and every reputed college now a days is specially focusing on automating their daily maintenance related work and their departmental related manual work, for Example automating the training and placement department, financial department, Library etc.

This step towards automation helps the organization to provide an error free work output and also save a lot of time which the organization can use into other student welfare activities.

### 3. EXISTING SYSTEM AND ITS DRAWBACKS

The present system is not completely computerized. The T&P cell have been carrying out their several jobs manually which makes the job more complicated and tedious most of the times. To make this laborious job simple and accurate the best way is computerization / automatization of the current environment.

For example, in the current system placement officer has to collect each and every student details for placements. Placement officer and students 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. PROPOSED WORK

The Project 'Online Training and Placement Cell Management' is an application that aims at making the training and placement procedure easier. Presently the training and placement procedure is carried out by directly registering at the campus training and placement cell to the training and placement officer. This whole process is quite tedious for TPO. In addition to this students may not get updated about the procedure and their training and placement status. With internet reaching at our doorsteps this website aims at bringing an easier way to register you for placements and trainings. Students can easily register themselves and can view their placement status. This website keeps track of all students' personal and academic details and keeps track of their training and placement status.

One of the most important features is that, this application provides a good way for having a proper communication channel it will check for the match of proper student profile for the provided company's requirement and will intimate the student about the company details and the process for campus.

The central repository of all records helps TPO to update the training and placement record of students easily and helps in reductions any anomalies and redundancy. With the help of website students can easily update their personal and academic information that sometimes changes during the course of training and placement.

### 5. OBJECTIVE

The proposed website includes the following features:

Training and placement details of each student.

Students can register for training and placement via registration form provided on website.

Search feature is provided which enables the students to view only their training and placement status.

Student can update their personal and academic records like email id, current semester, correspondence address and marks obtained in different semesters.

Provides a proper communication channel between student and training & placement department using the smart communication ways like e-mail and sms.

Latest information about which company is visiting the campus is provided which helps the students to get updated information quickly.

Website is user friendly with more GUI so that student can register and view the information with ease.

Invalid and duplicate registrations can be avoided and hence it provides reliability.

Only administrator can alter the Placement and organization record if needed.

Administrator is responsible for the deletion of any student record from database.

Helps to make a short list of students who get placed in certain Company.

## 6. APPLICATION IN DETAILS

Online Training and Placement is a website which aims at making the registration procedure for students for trainings and placements in campus easier. This website provides an easy way to TPO to keep track of training and placements of all the students and saves him loads of manual work.

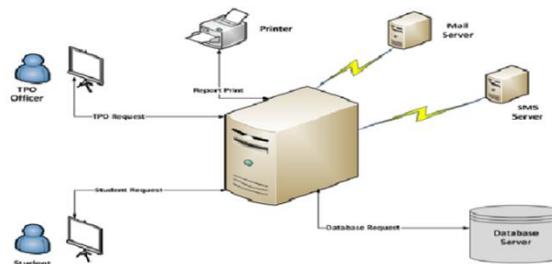
### OPERATIONS

- Registration
- Updation
- Viewing
- Searching
- Deletion ( by administrator only)

## PRODUCT FUNCTION

- Accepting student's information correctly.
- Storing the correct records in the database.
- Displaying correct information on selecting view option.
- Displaying current status of training and placement of the student.
- Accepting the updated information from students.
- Storing the updated record in database to make it consistent.
- Deletion privilege to administrator only who in this case is training and placement officer.
- Providing a proper communication channel between student and training & placement department using the smart communication ways like e-mail and sms.

## SYSTEM DIAGRAM



**Fig: System Block Diagram**

This application is hosted on a web server on which oracle database(oracle 10g), sms- server, email-server and printer are installed / configured. Student and TPO officer can login to this application from any where via internet using their credentials and can access the application as per the privileges provided to their user roles.

As a student user, he can login to the system and can enter his required personal and academic details into the application, he can also view his details or any message received from training and placement office

As an Administrator user (TPO), he can login to the system and can review the student details and being an administrator is allowed to make and required changes if needed. He has right to add or delete a student profile.

Eligibility criteria for campus drives change from company to company. Searching of students on the basis of 10th percentage, 12th percentage, B.E. aggregate, current or previous backlogs

can be done by applying proper constraints. Depending on the search criteria the TPO officer can easily find out the required student details within a fraction of time

## 7. MODULES

### Student Management Module:

There are 2 types of user role provided in this system, i.e. student role and admin role(TPO). Student role has access to enter, update and view data into the application. Academic related data will be verified by TPO and will not be editable once verified. After verification, only the admin may change the information in application if required.

### Security Module:

Every user either the student or TPO has to access this application using their credentials. This will provides a high level of security and help application from unauthorized access.

### Notification:

This application provides a good way for having a proper communication channel between student and training & placement department using the smart communication ways like email and sms.

### Reporting module:

Training and placement officer can generate the report based on this given criteria and can save it in form of excel file. So that it could be easily send across over network if required.

### Scheduling module:

Application is scheduling specific timings until which students can enter there details, after that the entry page gets freeze for reviewing from the T&P officials.

## CONCLUSION

In this era of computers it is most important to avoid the daily manual task and to automate it if possible. This step of automating the T&P cell will provide a new way and a new direction for the big enough recruitment process. This will make the process faster without any human error.

This system in future could be joined to email and sms server so that it can notify and message to students via email or sms.

As this system's database a centralized database so this database can be used a reference database to any new enhancement which can be made in departments like Assignments, Library, and student report generation, Admissions etc.

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