An interactive web based portal for t&p

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Abstract-   The management of Training and Placement is supported by paper-based systems, databases, spreadsheets and E-mail communications (SMTP). Training and Placement is the crucial part of any educational institute in which most of the work till now is being done manually. The aim of this project is Automation of Training and Placement unit of KDKCE (KDK College of Engineering). The project will include minimum manual work and maximum optimization, abstraction and security. This is a web application which will help students as well as the administration authority to carry out each and every activity in this department. The system is an application that can be accessed throughout the KDKCE (KDK College of Engineering). organization with proper login provided. This system can be used as an application for the Training and placement officers (TPO) as an administrator of the college to manage the student information with regard to placement. Students logging should be able to fill the registration form. The key feature of this project is that it is a onetime registration. The application provides the facility of maintaining the details of the students. It also provides a requested list of candidates to recruit the students based on given query. Administrator logging in may also search any information put up by thestudents. This project will aid colleges to practice full IT deployment. This will also help in fast access procedures in placement related activities.

Keywords: Training and placement website, TPO, security, KDKCE, SMTP

1.INTRODUCTION

In today's world everyone is travelling for jobs after Completion of their graduation. It has become need for each and every student, but forthat they need to travel worldwide in searching of jobs. For simplicity of this whole hectic procedures we had proposed Online Training and Placement System because of earlier system is totally done manually by maintaining records, time consuming and very difficult to maintain coordination between student and companies. Online training and placement management system provides information on placement providers and the placements they offer so that students may view and assess their opportunities. KDKCE (KDK College of Engineering) will have well-developed web sites to inform their students of vacancies and how to prepare for their work integrated learning experience. Online training and placement management system is an application to facilitate students in KDKCE (KDK College of Engineering) to register and fill the application form. 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. 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 a followon from the information they have viewed. Theadministrator plays an important role in our project. He provides approval of student registration and updating.Admin has full access reserved over the system. Students can mainly upload their CV and can download resources by Administrator/TPO and Company .Company can register and give their criteria   forplacement. Organizations representatives logging in may also access/search an information put up by the students. Administrator/TPO have to collect the information and manage them manually according to various streams. If any modification is required that is also to be done manually. Overall it will reduce the paper work and utilize the maximum capability of the setup and organization as well as it will save time and money.

2. EXISTING SYSTEM

In the KDKCE (KDK College of Engineering) existing system lead to many problems. These are as follows Problems in existing system:

• Maximum manual work: in the existing system all the work that is done by human intervention. Humans should do all the work.
• Errors: due to the manual intervention there are maximum chances of errors.
• Maximum human interface: the interface between the student and administrator is maximum;
• Time consuming: due to above problems every procedure becomes time consuming.
• File system: the records were stored in modified access sheets hence sorting problem
• The duplication of records was usual hence data redundancy.
•Collecting CV's of so many studentsare a painful and time-consuming task and handling of too many CV's is a great overhead.
• Less alertness: the students may not get the information on training and placement activity hence they miss the opportunities.
• Synchronization problem: there were smaller amount interfaces among student and training and placement department;
• Alumni record: the past students records are not maintained.

3. PROPOSED SYSTEM

The main purpose of proposed Web based Training and Placement portal is meant to give more easiness to Administrator/TPO, Placement coordinators and Students that they can modify and access information so quickly. The system provides a better way to maintain student's information in the database, ensures data correctness and data integrity as well. There are mainly three types of users they are administrator, student and employer. The administrator is the master user; he gets the greatest number of priorities than the other users. The different functions involve the case of an administrator are updating, approval, sending information to the students regarding placements. The administrator can view and approve the various application forms. Students can register and view the details. The placement officer can login through employer section view the details of the employer's, placed students, and training details.

The proposed online training and placement management 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. This helps the KDKCE (KDK College of Engineering) organization to win the war in the existing competitive world.The proposed system is intended to do the following:
• Online Registration: Traditionally the job of registration was done manually at KDKCE (KDK College of Engineering) by passing the registration form to the students. But this was too much time consuming and also erroneous.So ,the major need was for the automation for registration by online registration by students themselves.
• Security for Administrator: The files in which the data is stored is stored in Access file sheets that too separately for each class of department; so, the files could be accessed by any one accessing the computer. These files may be 'confidential'. So, there is a special need for security.
• Optimized Sorting of data: The modified access sheets were not that efficient as, when we want to select students having 65% aggregate then the student with 70%, 75% aggregate were also selected where as required result is only students with 65% aggregate.
• Hierarchical Structure of departmental data: As mentioned earlier the data was stored separately for classes of each department the problem of searching was time consuming and as well the duplication could occur. So, there is a need for a centralized hierarchical structure.
• Instant Notification to the student: The only method for notification until now is by notice board which is not reliable. To countermeasure this problem the notification can be send by E-mail
• Alumni Data Base: The alumni data is insufficient and is out of reach of the students. So, the proper method to employed to store the alumni data

4. MODULE DESCRIPTION

4.1. Administrator/TPO: The admin module has an authority to add student and Company to the system and provide their valid id and password. The main user of the admin module is Administrator/TPO of the college. Administrator/TPO of the college will able to update details such as college name, college address, establish year, emp_id, branch, number of students, email_id, contact number, web address, etc. Administrator/TPO module will able to give access through unique PRN of student to the system

successfully by entering their PRN as a user_id. Onlythose students will able to access the system, who's successfully allowed by the Administrator/TPO module. The various events related to the training and placement program is uploaded to the system by entering subject means event name

4.2. Student: This Module consist of a login option and registration window for unregistered students. Students will use their choice of username and a proper specified length password. It helps the Students to update their details anytime. The students would be able to view the company requirement. Students will be provided with a link to apply for the company if eligible. Previous Years placement paper and material is also provided. Students can see the complete profile of the company. Such as recruitment procedure history CTC offer and the working environment.

4.3.Employer/Company: Initially Employer/Company must need to login to the system by entering valid user_id and password provided by the administrator module. The recruiter updates his details like his company name, working criteria and information about itself. The Employer/Company will see the details about the college posted by the admin module to the system. The Employer/Company will also able to see the student details as name, branch, aggregate marks, passed out year etc. Employer/Company can change his password if he required by using the change password field. Mailing and messaging option is also available in Employer/Company module that contain email /messages received and send by the Admin/TPO. The menu bar at the top can consist of same field as previous module except that the about us field can contains information about the Employer/Company module. By clicking on logout field the Employer/Company can successfully logout from the system.

4.4. Database: For the database we are using MySQL. MySQL is a database system used on the web. It is a database system that runs on a server. It is ideal for both small and large applications. MySQL is very fast, reliable, and easy to use. It uses standard SQL. It compiles on a number of platforms. MySQL is free to download and use. It is developed, distributed, and supported by Oracle Corporation. The data in a MySQL database are stored in tables. A table is a collection of related data, and it consists of columns and rows. Databases are useful for storing information categorically. A company may have a database with the following tables:

- Employees
- Products
- Customers
- Orders

4.5. Simple Mail Transfer Protocol (SMTP): SMTP is a set of communication guidelines that allow software to transmit an electronic mail over the internet is called Simple Mail Transfer Protocol. It is a program used for sending messages to other computer users based on e-mail addresses. It provides a mail exchange between users on the same or different computers, and it also supports:
•It can send a single message to one or more recipients.
•Sending message can include text, voice, video or graphics.
• It can also send the messages on networks outside the internet.
The main purpose of SMTP is used to set up communication rules between servers. The servers have a way of identifying themselves and announcing what kind of communication they are trying to perform. They also have a way of handling the errors such as incorrect email address. For example, if the recipient address is wrong,then receiving server reply with an error message of some kind.
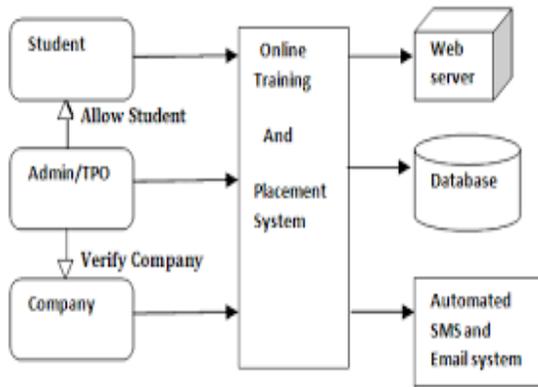
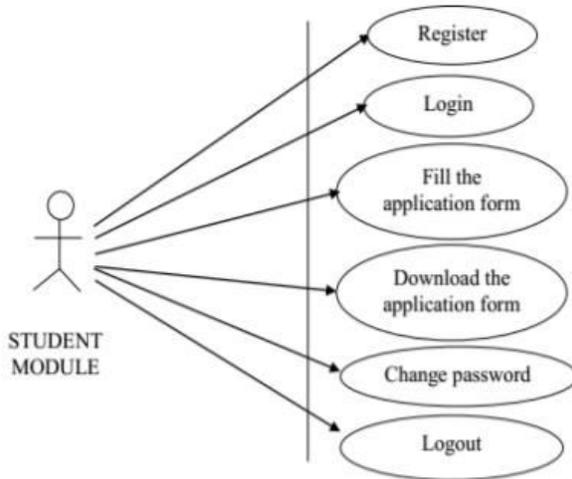## 5. DIAGRAMS:

Figure no:5.1 Architecture Diagram

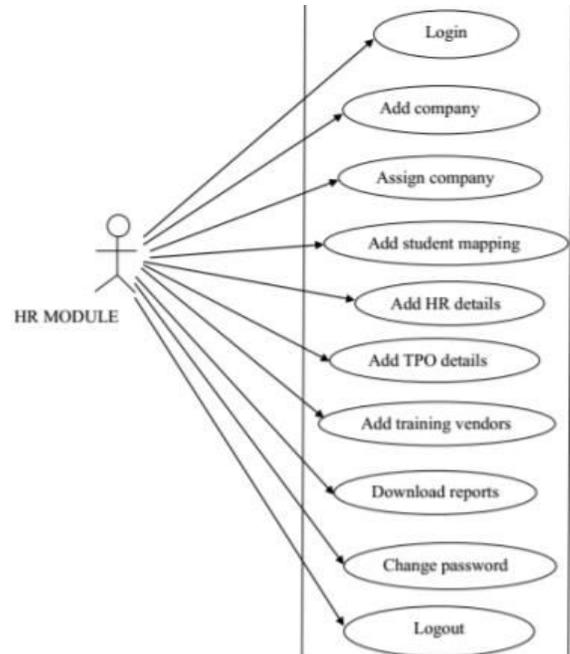**Figure no:5.2 Use case diagram for student module**

Figure no:5.3 Use case diagram for HR module

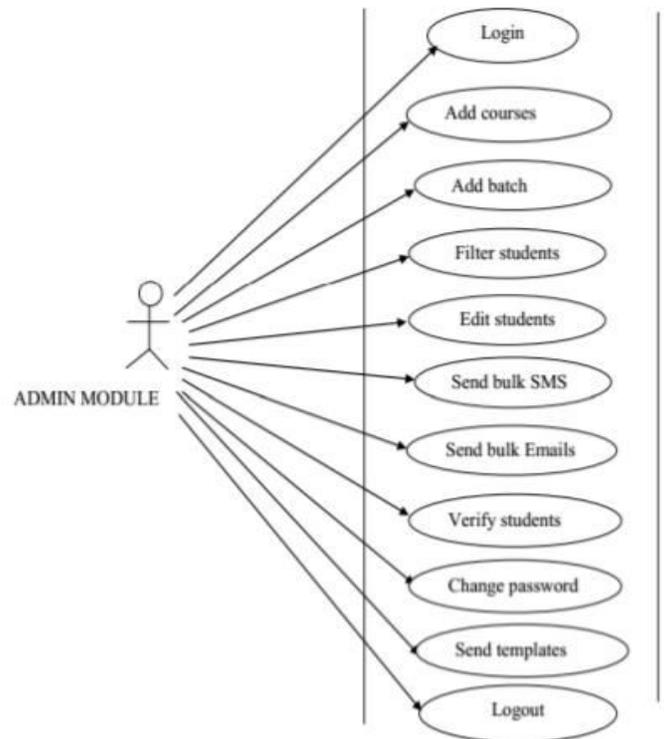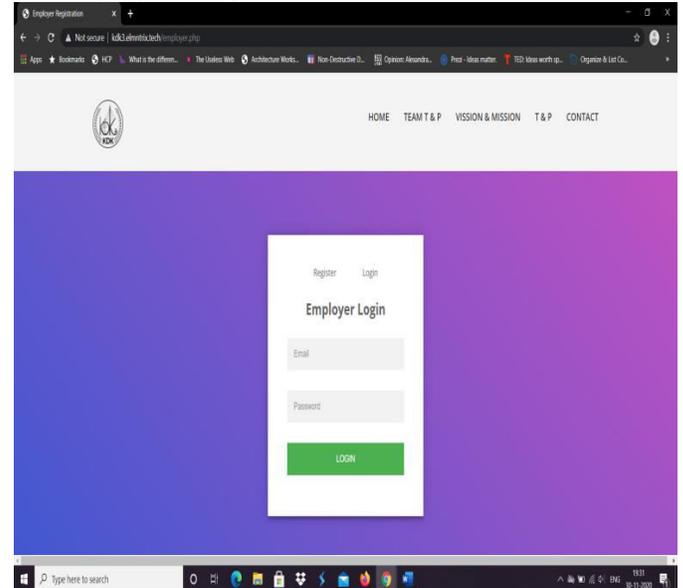**Figure no:5. 4 Use case diagram for Admin module**
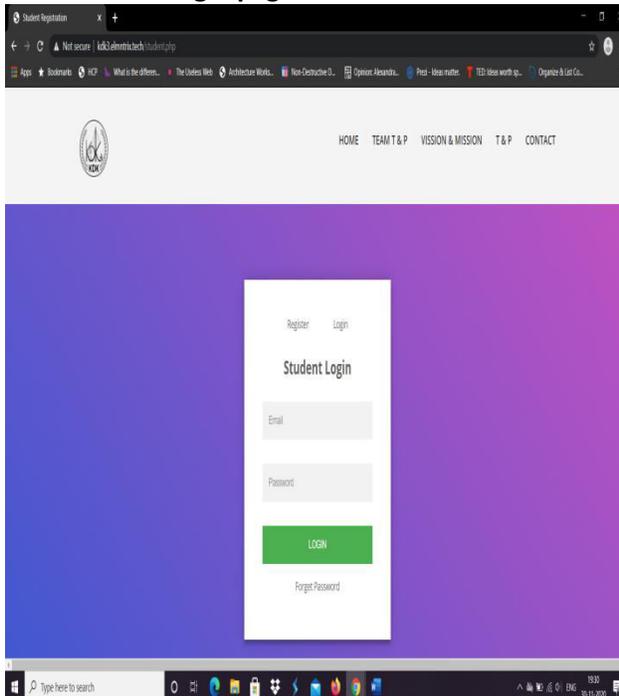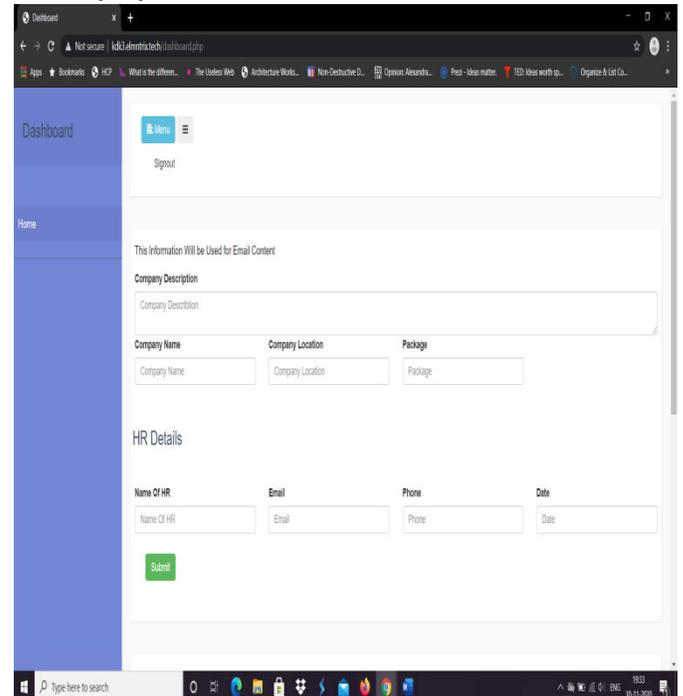
6.RESULT

6.1 Homepage

6.3 Employer's Login

6.2 Student's login page

6.4 Employer's Dashboard

7.CONCLUSION

It can successfully login authorized person to system and register them. In our system admin can check the Student list those eligible according to criteria given by the Company and notify them instantly and update the information anytime successfully. Our system is Secure and User-friendly for all of three modules.

8. ACKNOWLEDGMENT

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