

Training and Placement System

Submitted in partial fulfillment of the requirements of the degree

BACHELOR OF ENGINEERING IN COMPUTER ENGINEERING

By

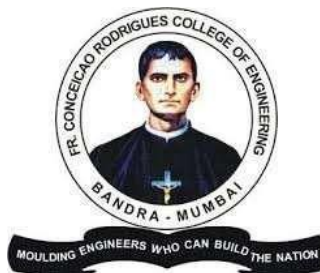
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CERTIFICATE

This is to certify that the Mini Project entitled **Training and Placement system** is a bonafide work of **Bhavendra Panchal (8894) , Ronald Patrick (8896) & Meet Parmar (8895)** submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the degree of “**Bachelor of Engineering**” in “**Computer Engineering**” .

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Mini Project Approval

This Mini Project entitled **Training and Placement System**

by **Bhavendra Panchal (8894) , Ronald Patrick (8896) & Meet Parmar (8895)** is approved for the degree of **Bachelor of Engineering in Computer Engineering.**

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Abstract

This work present web portal designed for managing training and placement data. The objective of The Proposed System is to develop a system that can be used by placement cell of a college. The purpose is to design a system that provides functionalities to perform the activities related to placement services. This System will allow us to replace or add functionalities in the future as a way to enhance a particular feature of particular module. This system can be used as an web - application by the TPO of the college TPO can manages the student information with regards to training and placement.

This Portal will help the training and placement cell for complete automation of placement related activities i.e. displaying notices in notification panel to Resume Upload, report generation of placement statistics, events.

This will minimize the manual work and overhead workload of Training and placement Cell of college. Collecting and authorizing the resumes, communicating about the various Placement Drives with the students, managing the corporate relationship for inviting them for the placements, maintaining information about placed students and then communicate with different users of system.

It has the features by using which students can search for the company reviews, Placement papers, and Manage Company Profiles etc. Authenticate and activate the student profiles as well as company profile, provides the list of shortlisted student with resume to company HR, send data of shortlisted students. Query Regarding any events can be asked in Query Forum. Feedback from Students can be taken about their Interview Experiences and Question asked In Interviews. This will help Fresher's to develop their Skills, learn Technologies. So that it will help in their Respective Interviews.

Acknowledgement

We have great pleasure in presenting the report on "Training and Placement System". We take this opportunity to express our sincere thanks towards the guide Mrs. Sarika Davare, C.R.C.E, Bandra (W), Mumbai, for providing the technical guidelines, and the suggestions regarding the line of this work. We enjoyed discussing the work progress with her during our Online Meetings and Calls

The Proposed System would not have been possible to complete smoothly without their worthy experience. Whenever we were in need, they extended enormous help. Although, this report has been prepared with utmost care and deep routed interest of all the Group Members . Even then we welcome any corrections, suggestions or improvisations.

Chp 1: Introduction

1.1 Introduction

The earlier system done manually by training and placements department makes the process slow and leads to inconsistencies and ambiguities. In addition, it is very difficult to maintain coordination between students and companies.

Now a Days, the Internet is most widely used and all systems are being automated. Colleges and universities are also taking the advantage of this automated systems. This led to web based automated training and placement portal developed specifically to manage placement process.

Campus placements are conducted in all colleges for all the education fields. Various software and other sector companies are conducting campus recruitment process for selecting candidates. But the information like Resume Format, Job details are not available to the student. There was no record kept of the past students and their working status. There was less communication between the student with the Training and Placement department.

For the purpose of training and placement of the student in colleges, TPO's have to collect the information and CV's of students and manages them manually and arranges them according to various streams. If any modification is required that is to be also done manually. So, to reduce the job required to manage CV's and the information of various recruiters, a new system is proposed which is processed through computers. The Proposed System has a big scope to do. We can store information of all the students. CV's are categorized according to various streams. It allows the companies to view the student resumes. They can filter the student profile as per their requirement. Students can maintain their information and can update it. Notifications are sent to students about the companies. Students can access previous information about placement.

1.2 Motivation

Why Need of Training and Placement System?

It takes much time for a placement officer to collect and approve the details of students. There is poor communication between students and placement officer. Students may not obtain the desired information. It is difficult to coordinate students, companies, and interviews.

The students were not being made aware of the T&P activity other than placements. The information like company technical question paper, Resume Format, Job details are not available to the student. There was no record kept of the past students and their working status. There was less communication between the student with the Training and Placement department. So that this can be improved by designing Advanced software.

All Transactions in the system are done manually in maintaining the records. The management and all the departments that have been carrying out this job using manually makes the job more complicated and tedious in most of the times. This laborious job can be made simple by computerizing the system.

As There is no Platform where we can reduce the tedious work and save time of everyone. So this motivated us to build a web –application of Training and Placement System that will provide a platform to manage all data of Students and placements events.

1.3 Problem Statement

- ❑ To create a web based application for the Training and Placement Dept. of the college.
The system is an online web based application that can be accessed throughout the organization by Students, TPO's and Recruiters by proper login. The Proposed System provides the facility of maintaining the details of the students and gets the requested list of candidates for the companies who would like to recruit the students based on given query.

Objectives

- ❑ The main aim is to automate the manual system by the help of fully- fledged computerized software, fulfilling their Requirements so that their valuable data/info can be access for Longer period and manipulation of same.
- ❑ To keep repository of student's data so that can be accessed in any place.
- ❑ The objective is to manage and retrieve all the data of Placements Stats, Company.
- ❑ To reduce the overhead job of TPO officer and staff of manually managing the student's CV's, and information of Recruiters.

1.4 Organization of Report

The purpose of a report is to inform the reader. It is helpful, both to the reader and to the writer, if the report is logically organised. Over the years a standard format for reports has been worked out. Although there may be circumstances when it is advisable to change the format to fit a particular need, following the format ensures that all the essential information is included and that it is treated in a logical way. The format usually adopted is that described in a British Standard (1972). The standard components of a report are as follows: Title; Summary; List of contents; Introduction; Main body of the report; Conclusions; Recommendations; Appendix; References

- The Title
- The Abstract
- The List of Content
- The Introduction
- The main body of the report
- The Conclusion
- References

Chp 2: Literature Survey

2.1 Literature Review

Sr.no	Title	Year	Journals	Objectives
1.	CABAL: Training and Placement Departmental Portal	March-2018	IOSR Journal of Engineering ISSN (e): 2250- 3021, ISSN (p): 2278- 8719 Volume 3, PP 01-04	<ul style="list-style-type: none"> • Cabal is a web-based portal, which can be accessed securely by the students with their credentials. • This Portal helps training and placement department for complete automation i.e. from sending notifications about registration to company visit as well as reports are generated according to the students who are selected previously depending on placement year
2.	Training and Placement Web Portal	March 2014	IJRITCC ISSN: 2321-8169 586 – 591 Volume: 2 Issue: 3	<ul style="list-style-type: none"> • Allow easy navigation through CV's and company information. • Manage the man and machine resources efficiently. • It has user friendly interface having quick authenticated access to documents.
3.	Training and Placement Cell Application	Mar-2018	IRJET Volume: 05 Issue: 03 e-ISSN: 2395-0056	<ul style="list-style-type: none"> • To save the time from manually selecting the students based on eligibility criteria. • To update the student's personal and curriculum details on their own. • To retrieve the eligibility students list automatically in excel sheet.

4.	ADVANCED TRAINING AND PLACEMENT WEB PORTAL	March-April, 2016	International Journal of Technical Research and Applications (IRJET) e-ISSN: 2320-8163 Volume 4, Issue 2	<ul style="list-style-type: none"> • Current Student and Alumni student. Current Students can view and update information at any time. • Students can edit their CVs. They can provide video CV's and they have to upload their scan documents and update them constantly. Students can access relevant stuff placed online for them. • For alumni the last three years' data will be maintained. Alumni will be kept in touch by an automated notification by E-mail/Messages
5.	Training and Placement Portal	Dec-2017	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 04 Issue: 12	<ul style="list-style-type: none"> • The system allows students to access details of recruitments. The system allows students to access any material posted by various departments. • Recruiters can access the student details. It is easy for one to access desired information through the well-defined interfaces. For the purpose of training and placement of the Students.

2.2 Existing System Research gap

- ☐ In existing system, there was poor communication between the student, alumni Student and the TPO staff. . Also current students were not getting any guidance from senior students.
- ☐ The system does not provides resources for Studies, communication between the users, online feedback.
- ☐ Report Generation of events organized in College was not possible in Existing System.
- ☐ Proper Feedback from Students regarding their Interviews experience, was not possible in Existing System.
- ☐ Some of the work done at placement cell is by human intervention due to which there were more chances of errors. There may be chances of loss of data since the number of students is growing and management has to handle records of all students. Thus, it is required to design of a computerized student

Chp 3: Proposed Architecture of System

3.1 Introduction

The Training and Placement web portal give easy access to the users that they can add and retrieve information so quickly. The proposed system is fully computerized, which overcome all the drawbacks of existing system. There are mainly four types of users they are Admin, Student, Companies and Forum. The administrator is the master user who performs different functions like approval and authentication.

Administrators have two different users like TPO staff and Department Staff. The TPO can give an approval to edit information done by the student. . TPO can communicate with the student through the forum module.

3.2 Architecture

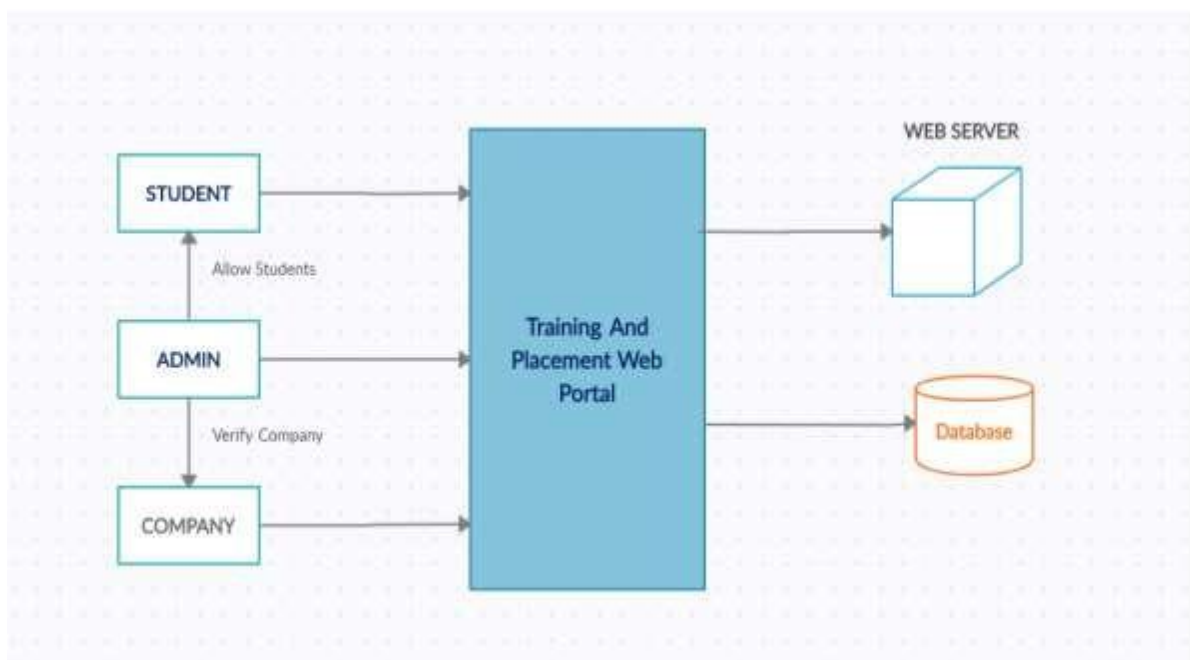


Fig 3.1 Block Diagram

LOGIN MODULE:

- Login Module provides the secure communication between users and Training and Placement Cell application. Each Student has their own username and password to access the application. Placement Officer acts as an administrator who has complete control over web application.

Forum/Query:

- Any Query Related Placements, events will be resolved by Administrator.

STUDENT MODULE:

- ☐ It contains information which includes both Personal details and Mark details. In Personal details, Students can update information like Name, Mobile Number, Date of Birth and Email-Id. Mark details consists of 10th, 12th and semester percentage details.
- ☐ Student can update and view their Resume.
- ☐ Eligibility Criteria, Company Brochure, Policies can be viewed by Student
- ☐ Student can download Study materials, placement materials which are uploaded by administrator. Upcoming Events, Placement Drives will be seen in Student Page.
- ☐ Feedback from Student is taken related to Interview experience, Questions asked. These will help Fresher's to prepare for Their Interviews.

ADMIN MODULE:

- ☐ Placement Officer has a complete control over the Placement and Training Cell administrator can retrieve the Eligible students list based on company's criteria in excel sheet by simply clicking shortlist button.
- ☐ Placement Officer can access and view information of the users.
- ☐ TPO can generate report of the students' branch wise.
- ☐ TPO can schedule events about the companies and flash it to every student login as well as front page. TPO can contact with the company and can ask them the detail information about company and job profile.
- ☐ TPO can schedule college events and Report of the same can be generated.

- ☐ TPO can take automated feedback and can see filled feedback given by students or company.

- ☐ TPO can communicate with the user through forum.
- ☐ TPO can generate the report like Class Wise Report, Company wise Report, Placed student Report, Unplaced Student Report.

COMPANY MODULE

- ☐ Companies can register themselves in TPO System.
- ☐ In Company Module Information about the company, their contact information placement drives will be provided in this section.
- ☐ Company can see how many students are eligible based on their provided criteria.
- ☐ Company can View and download the eligible student resumes.
- ☐ Company can give their own application procedure by providing link for registration.
- ☐ Companies can take feedback from TPO. Company can view the eligible student report.

3.3 Process Design

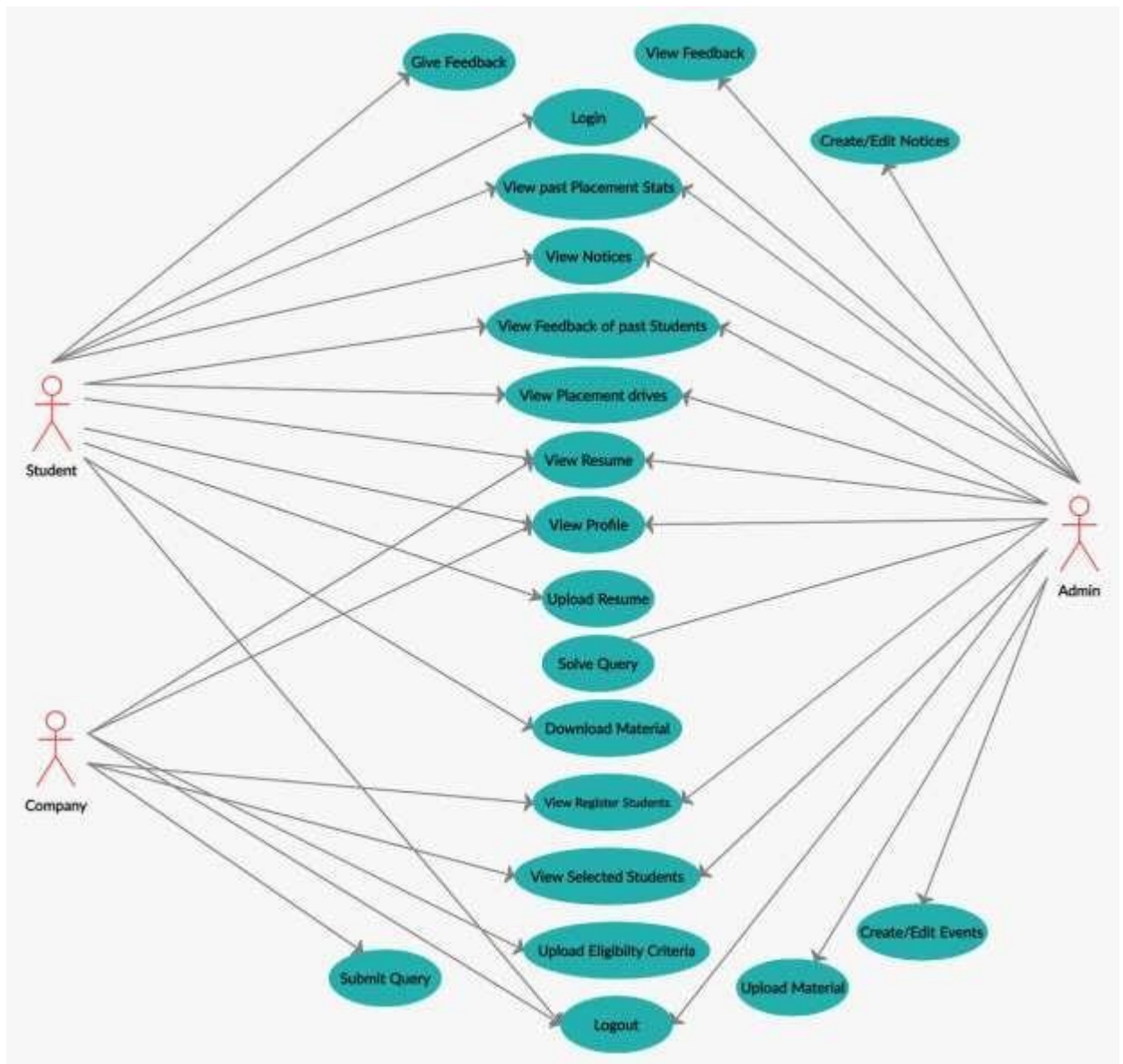
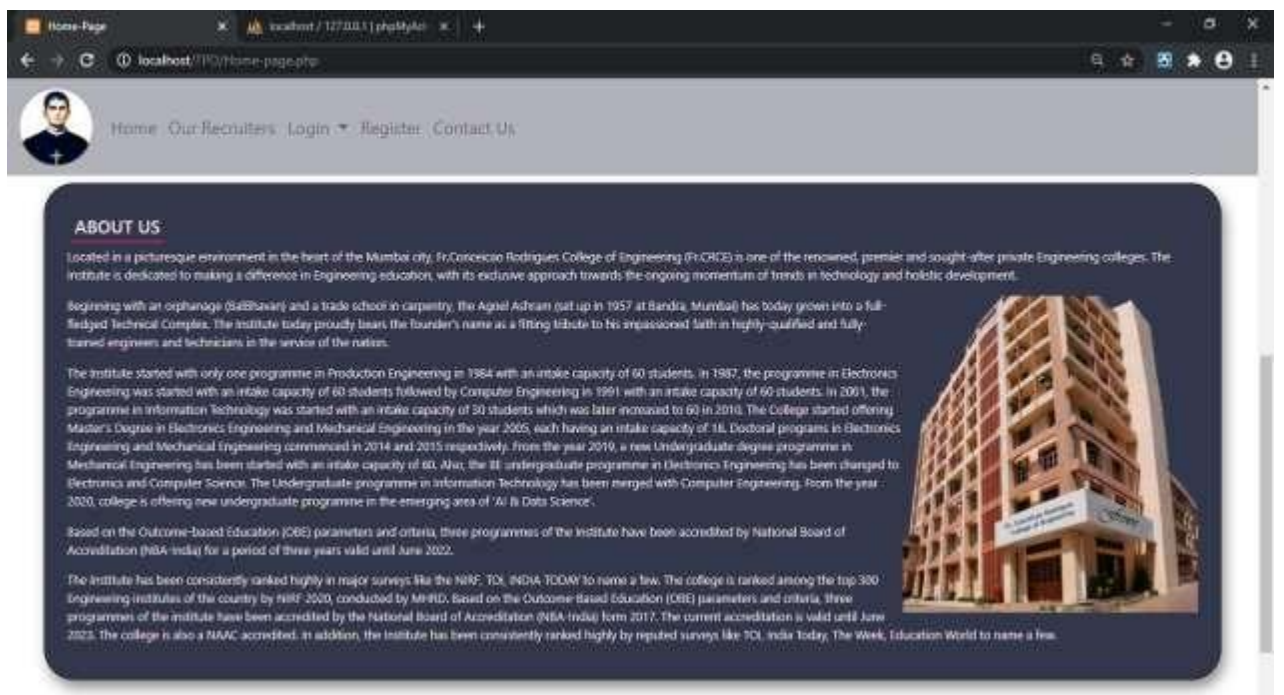
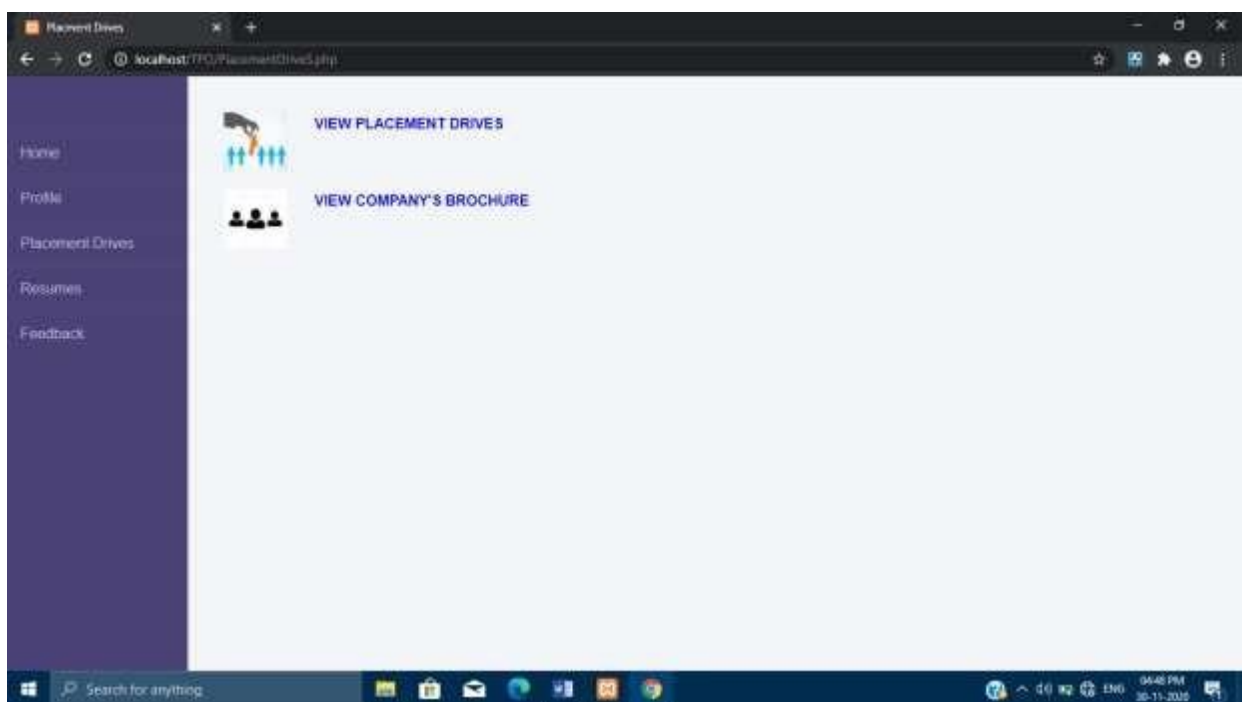
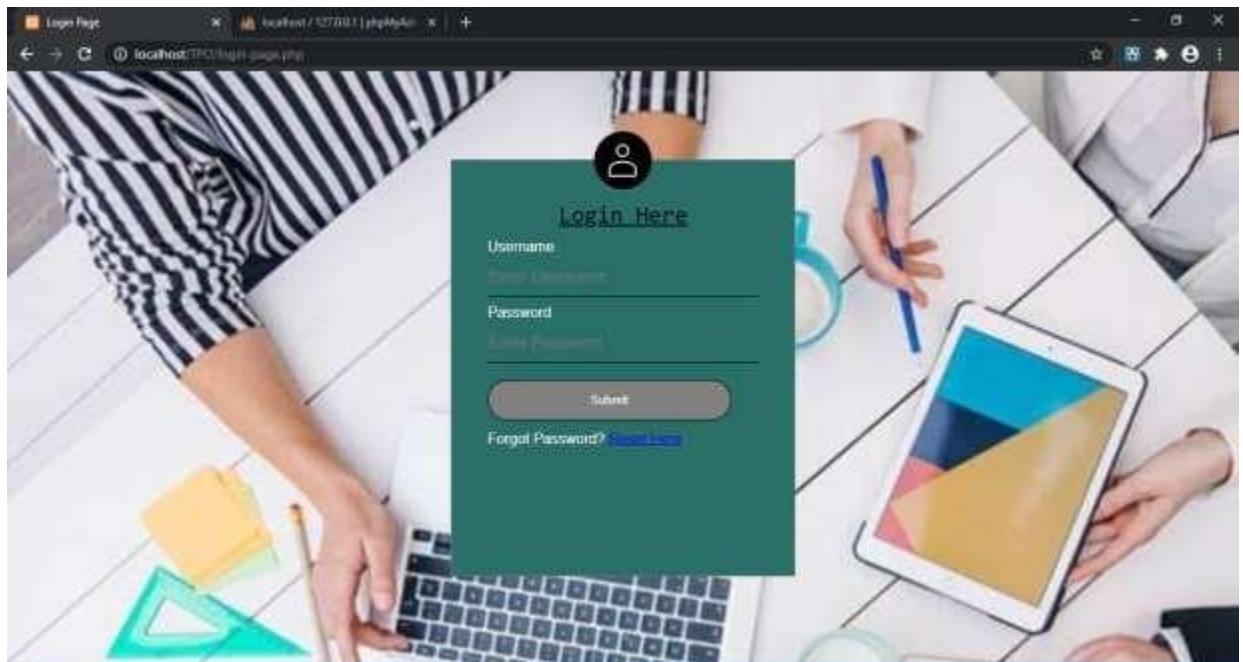


Fig 3.2 Use Case Diagram

USER INTERFACE OF WEB- PORTAL





3.4 Software Specifications:

The project is implemented in Sublime Text Editor where the Styling the pages are implemented Using CSS and the coding is implemented using Html and PHP. We have used the XAMPP Server and MySQL as the database. Only authorized person are allowed to access database.

❖ Software Requirements:

1. Sublime Text Editor.
- 2.. XAMPP Apache Server for PHP.
3. MySQL Server.

❖ Technologies/Languages Used:

1. HTML
2. CSS
3. PHP
4. JavaScript
5. Bootstrap

3.5 Conclusion:

System Training and Placement web portal is for computerizing working in a College campus recruitment department. The software takes care of all the requirements of College student and is capable to provide easy and effective information related to student academic session and their details. It generates reports that provide description details including various number of student placed in company. It also provides placed student information according to company.

Also the users can access the application in online easily at any time. This application reduces the manual work and tedious accessing of web portal. Since majority of users use phones, Training and Placement Cell application is developed in web technology. This web- application is very user friendly, secure and easy to access by all authorized members.

This system also provide forum which is accessible for the students and admin where each students can ask query related to placement activities. Overall the process of the training and placement department is automated.

3.5 Future Scope

Though project is itself matured enough but still betterment is always an open door. In this case also learners can add some features to this software to make this software more reliable. These are as follows:-

- The searching procedure should be very strong like TPO can search student as fast as possible. Modify the project with better approach with more graphics. The back-up procedure can be incorporated to make sure of the database integrity. TPO can contact with both student and company through message. Student and company can also send message to TPO
- Automated Email-Sending System can be integrated with these System So that Recruiters need not have to manually send the email to Selected or Placed Students.
- Chatbots can be built to resolve commonly asked Questions of students and Recruiters. The Online aptitude test can be integrated with the online placement system so the student can give the test from anywhere. There can be many more future Enhancement & improvement in the Online Placement System.

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