

PLACEMENT MANAGEMENT SYSTEM



BETA CENTAURI PRIVATE LIMITED, Bhubaneswar

Assigned by:-

Ashwini sir

Submitted by:-

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DECLARATION

I hereby declare that the assignment entitled “placement management system” submitted for daily review is my original work and the assignment has not formed the basis for the award of any other degree, diploma, and fellowship.

Place: Bhubaneswar

Debashish pradhan

Date-29 august 2020

Signature

CERTIFICATE

This is to certify that the assignment titled “placement management system” is the bonafide work carried out by Debashish Pradhan is the intern of BETA CENTAURI PVT.LTD, BHUBANESWAR and assignment has not formed the basis for the award previously of any other degree, diploma, and fellowship.

Ashwini sir

Assigned by

(Assignment guide)

ACKNOWLEDGEMENT

I am pleased to acknowledge Ashwini sir for their invaluable guidance during the assignment work. I am also grateful to other interns of the company who co-operated with me regarding some issues.

Debashish pradhan

ABSTRACT

The project is aimed at developing an application for the “WEB BASED PLACEMENT MANAGEMENT SYSTEM” of the college. The system is an application that can be accessed and effectively used throughout the organization with proper login enabled. This system can be used as an application for the Placement Officers in the college to manage the student information with regard to placement. Student logging should be able to upload their personal and educational information in the form of a resume. The key feature of this project is that it is one time registration enabled. Our project provides the facility of maintaining the details of the students. It reduces the manual work and consumes less paper work to reduce the time. This project is developed with PHP for frontend and MY SQL for backend.

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DESIGN DOCUMENT

Table – FinalYear_student

Pk – registration_no

Description – Final_year students list and information

Field name	Data type	Null?	Key	Description
Name	Varchar(128)	N		Name of the student
Registration _no.	Varchar(20)	N	pk	Bput register no.
Roll_no.	Varchar(20)	N		College roll no.
Branch_id	INT	N		Branch no.
DOB	Date	N		Date of birth
Contact	INT	N		Mobile
Address	Varchar(128)	N		Present location
B.Tech(cgpa)	Varchar(20)	N		Cgpa till current semester
10 th	Varchar(20)	N		Percentage of 10 th
12 th	Varchar(20)	N		Percentage of 12th

Table – company

Pk – company_id

Description – company list for college placement drive

Field name	Data type	Null?	key	Description
Company_id	INT	N	pk	Company serial no.
Company_name	Varchar(20)	N		Company name
Contact	INT	N		Company contact no.
Email	Varchar(50)	N		Email address
Drive_date	Date	N		Placement drive date
Location	Varchar(128)	N		Location of drive on campus or off campus
Time	Time	N		Time of the placement drive
Criteria_details	Varchar(128)	N		Criteria for students
Post	Varchar(50)	N		Post for selected students
Ctc	Varchar(10)	N		Stipend for the post

Table name – Hr_table

Primary key-

Description – company's hr details for placement drive related

Field name	Data type	Null?	Key	Description
Company_id	Varchar(20)	N	fk	Company serial no.
Hr_name	Varchar(128)	N		Hr name
Company_name	Varchar(20)	N		Company name
Contact	INT	N		contact no. of hr
Email	Varchar(128)	N		Email id of hr

Table name – placed_students

Primary key-

Description – details of the placed students

Field name	Data type	Null?	Key	Description
Company_id	Varchar(20)	N		Company serial no.
Registration_no.	Varchar(20)	N	fk	Bput Registration no. of the placed students
Student_name	Varchar(128)	N		Name of the placed students
Contact	INT	N		Mobile no. students
Email	Varchar(128)	N		Email of the placed students

Table- Recruitment_Progress Primary
Key- Registration_no

Description -Progress of recruitment

Field name	Data type	Null?	Key	Description
No.Rounds	INT	N		Number of round
NO.Students	INT	N		Number of student selected
Registration_no	Varchar(20)	N	pk	Student registration number

Table- Student_Details_placement

Primary key- Registration_no

Description – Details about placement status of student

Field name	Data type	Null?	Key	Description
Company_Name	Varchar(20)	N		Company serial no.
Registration_no.	Varchar(20)	N	pk	Bput Registration no. of the placed students
Placed(status)	Varchar(20)	N		Name of the placed students

PROGRAM SPECIFICATION

Admin login

Screen Name	Login
Module	Admin
Menu Reference	Login
Dependency on Module	NA
INPUTS	
<ul style="list-style-type: none">• USERNAME• PASSWORD	
VALIDATIONS	
<ul style="list-style-type: none">• Username and password should not blank.• Invalid username or password.• System after for three wrong passwords entered.• Forgot password	
Process Logic	
Output	
<ul style="list-style-type: none">• Redirect to admin dashboard	

Company Hr Registration

Module	HR
Menu Reference	Registration
Dependency on Module	NA
Inputs	
<ul style="list-style-type: none">• Username• Company name• password• Contact• Email id• Company_contact• Company_email	
Validation	
<ul style="list-style-type: none">• All fields are required (*).• Forgot password.• User already exists.	
Process Logic	
Output	
<ul style="list-style-type: none">• Data save successfully.• Redirect to hr login page.	

Hr Login

Module	Hr
Menu Reference	Login
Dependency on Module	NA
Inputs	
<ul style="list-style-type: none">• Username• Password	
Validation	
<ul style="list-style-type: none">• All fields are required (*).• Invalid username and password.• System locked after three wrong password entered.	
Process Logic	
Output	
<ul style="list-style-type: none">• Redirect to company dashboard	

Student Registration

Module	Student
Menu Reference	Registration
Dependency on Module	NA
Inputs	
<ul style="list-style-type: none">• Name• Password• Email• Registration no.(username)• College Roll no.• Branch• Dob• Cgpa(till current semester)• Contact• Address• 10th results• 12th results	
Validation	
<ul style="list-style-type: none">• All fields are required (*).• Invalid password.• Invalid email.• Invalid phone no. (Wrong format).	
Process Logic	
Output	
<ul style="list-style-type: none">• Data saves successful.• Redirected to student login page.	

Student Login

Module	Student
Menu Reference	Login
Dependency on module	
Inputs	
<ul style="list-style-type: none">• Username (registration no.).• Password	
Validations	
<ul style="list-style-type: none">• All fields are required (*).• Forgot password.	
Process Logic	
Output	
<ul style="list-style-type: none">• Redirected to student dashboard.	

REQUIREMENT STUDY

INTRODUCTION

The purpose of the project “PLACEMENT MANAGEMENT SYSTEM”, the manual work makes the process slow and other problems such as inconsistency and ambiguity on operations. In order to avoid this web based placement managed system is proposed, where the student information in the college with regard to placement is managed efficiently. It intends to help fast in fast access procedures in placement related activities and ensures to maintain the details of the student. Students logging should be able to upload their personal and educational information. The key feature of this project is that it is one time registration enabled. The placement cell calls the companies to select their students for jobs via the campus interview. The placement cell allows the companies to view the student resumes in selective manner. They can filter the students profile as per their requirement. The job details of the placed students will be provided by the administrator. The administrator plays an important role in our project. Our project provides the facility of maintaining the details of the students and gets the requested list of candidates for the company who would like to recruit the students based on given query.

OBJECTIVE

The aim of the proposed system is to develop a system with improved facilities. The proposed system can overcome all the limitation of the existing system, such as student's information is maintained in the database, it gives more security to data, ensures data accuracy, reduces paper work and save time, only eligible students get chance, it makes information flow efficient and paves way for easy report generation, reduce the space. Proposed system is cost effective.

SCOPE AND APPLICABILITY

Scope: My assignment has a big scope to do. Students can access previous information about placement. We can store information of all students. Various companies can access their information. Notifications are sent to students about the companies.

Applicability: This project “placement management system” is applicable for the companies and colleges.

The scope of this project will be limited to the following:

- **Student details:**

Student will have access to their profiles and will be able to edit their details.

- **Company details:**

HR will have access to their company details and will be able to edit their details.

- **Management System:**

Placement department and Admin will manage the details of the students and companies.

- **Report generation:**

The system will be able to generate timely reports in order to monitor students and this can be used for performance appraisals. The reports will be having all the information about the students and the companies.

BENEFITS

- Track campus placement process
- Improve student placement & retention
- Streamline placement tasks & save time
- Schedule Interview and responsibility details
- Administrative control over students and companies
- Identify companies that match student's expectations
- Automation: The application automatically notifies about upcoming companies
- Online Portal: Students can apply for companies online
- Record list of student place with respective job designation in a particular academic year<
- Time-Saving: Reduces manual human effort
- Cloud-based: Store all data forever
- Easy-to-use: Management doesn't require any training to manage companies coming for campus placement
- Highly Secure and Reliable

FUNCTIONAL STUDY

FUNCTIONAL REQUIREMENT

- **Authentication**

- Registration- The student and Hr needs to fill all their required details for placement drive in the campus
- Registration failure – if the student or HR already exists or if any required details in the form not filled. they will not authorized.
- Login- The student and HR can login to the PMS system with his/her username and password.
- Logout- The student and HR can log out from the PMS system.
- Login failure- If the user and HR do not exist in the database or the user has not yet being authorized by the PMS admin.

- **Authorization**

- Student role check- After logging in, the student role will be checked from the database and the student interface will be displayed according to their role.
- Company role check- after logging in, their company dashboard and details interface will displayed according to the company.

- **Process Data**

- Display- Student with defined roles can display the content of their details and upload external files. Being more specific, HR can only view their company information. Admin can not only maintain company information as well as student details.

- Edit- A student Edit his/her details and information. Hr can only company information that is under his/her coverage. Admin can edit all information related to all like student details and company details including their user role type.
 - Search- Admin role can search the content of database from the student tables and company tables. Admin role can search all the students' details information in the database. Search feature works on specific keywords showing students characteristics, mark sheet, branch, and name etc. For example, admin wants to find student details whose registration no. is 1601227390.
 - Update authentication- This feature can be used only by admin role type. Admin can update the role type of a specific user. For example, a student got placed or any company placement drive got cancelled, so admin needs to update the details on their server. Admin will be able to update this authentication mechanism.
- **Recruitment**
 - Add new company- HR role type is able to add their company details to the portal. The new company will have all the required information. The new created account will have an id.
 - Add student- Each final students has to put their required details on given portal for placement drive.

- **Report generation**

- Report generation- placement employees shall be able to generate a report in pdf format for each company and all the final year students based on the information in the database.

EXTERNAL REQUIREMENTS

- **HARDWARE REQUIREMENT:**
 - Processor Intel dual core and above
 - Operating system – windows 7, windows 8 , windows10
 - Internet connection – hotspot, WI-FI etc
 - Browser – Google chrome, Mozilla Firefox, Microsoft Edge etc
 - Database –My SQL
 - Performance – the turn-around time of the project will be minimum

- **SOFTWARE REQUIREMENT:**
 - Web design - Sublime , notepad++
 - Database - Wamp or xampp server