

Project Report
On
PLACEMENT MANAGEMENT SYSTEM

Submitted by

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Under the guidance of

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DECLARATION

We hereby declare that the report of the B.Tech Major Project Work entitled **“PLACEMENT MANAGEMENT SYSTEM”** which is being submitted to Rajiv Gandhi University of Knowledge Technologies, RK Valley, in partial fulfillment of the requirements for the award of Degree of Bachelor of Technology in Computer Science and Engineering, is a bonafide report of the work carried out by us. The material contained in this report has not been submitted to any university or institution for award of any degree.

S.Jyosthna – R171142

Dept. Of Computer Science and Engineering.



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CERTIFICATE

This is to certify that the project work titled **“PLACEMENT MANAGEMENT SYSTEM”** is a bonafied project work submitted by S.Jyosthna(R171142) in the department of COMPUTER SCIENCE AND ENGINEERING in partial fulfillment of requirements for the award of degree of Bachelor of Technology in Computer science and engineering for the year 2022-2023 carried out the work under the supervision

GUIDE

N.SATYANANDARAM

HEAD OF THE DEPARTMENT

N.SATYANANDARAM

ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of any task would be incomplete without the mention of the people who made it possible and whose constant guidance and encouragement crown all the efforts success.

I am extremely grateful to our respected Director, Prof. K. SANDHYA RANI for fostering an excellent academic climate in our institution.

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Abstract

The Placement Management System, a student and company information system is a web based application that was created for making the application process easy for a job. We use XAMPP server for this application, the back end programming language is PHP, database used is SQL, and the front end languages are HTML, CSS, Bootstrap and JS.

The main objective of the project is used to provide job opportunities to the students. It also provides the facility viewing the personal and academic information of the student. From a student's perspective placements can bring a wide range of benefits and opportunities. System gets the requested list of the candidates for the companies who could like to recruit the people according to their eligibility criteria. It also supports insertion and deletion of records by the administrator.

The system is intended for the students and companies. Our project reduces the usage of manual work. It is userfriendly because in our placement management system user no need to bother about the procedure of submitting the application for different job roles as it is easy to apply for jobs within one click.

Introduction

The project involved designing a database along with its frontend and backend components to facilitate placements in the institute. The placement database management project has been made to give various access for different type of users i.e. students, administrator or placement officer and companies. Every user has his own limited set of features. The project involves use of various web and database technologies namely HTML, CSS, PHP, MySQL, etc

The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal language is needed for the user to use this system, it is user friendly.

Placement Management System, as described above can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on the placement records keeping.

This is designed to assist strategic planning and will help you to ensure that your organization is with the right information and details for future goals. These systems allow you to better manage placement records.

Purpose

The purpose of placement management system is to make the on campus placement process less tiresome also to create one storage place for all the information required by the companies, students and administrator. The data collected by the placement management system automatically updates the preferences mentioned by students about their desired company, job role and expected pay package. This helps the company assess and filter the students on the basis of their inputs (if provided by students) and thus plan their potential candidates for the interview.

Scope

The main objective of the Placement Management System is to manage the details of the Student and Placement Cell, to reduce manual work and time. To offer recruitment to applicants. It handles all the data about skills of a student Placement Cell. The project is totally built at the main users end and thus the users can be accessed valid by login ID and password.

Requirement Specification

Software Requirements:

Front end	HTML, CSS, bootstrap, JS
Backend Language	PHP
Database Server	MySQL
Web Browser	Chrome, firefox
Operating System	Ubuntu, windows
Server	Xampp

HTML: HTML is the standard markup language for documents designed to be displayed in a web browser.

CSS: Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML or XML.

Bootstrap: Bootstrap is a free, open source front end development framework for the creation of websites and web apps. Designed to enable responsive development of mobile first websites, Bootstrap provides a collection of syntax for template designs.

MySQL: MySQL is a relational database management system. The database structure is organized into physical files optimized for speed. The logical data model, with objects such as data tables, views, rows, and columns, offers a flexible programming environment.

PHP: PHP is a recursive acronym for "PHP: Hypertext Preprocessor". PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites.

Analysis and Design

Analysis:

We are overcoming the difficulty of student details which were manual in the current system and here we generate detailed information about the students which will save our time to inform each and every batch and section and students profile is maintained.

Design:

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization. Once the software requirements have been analyzed and specified the software design involves three technical activities - design, coding, implementation and testing that are required to build and verify the software.

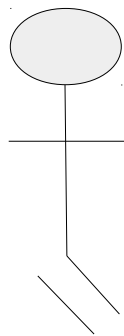
The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customer's requirements into finished software or a system.

Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps. Preliminary design is concerned with the transformation of requirements into data.

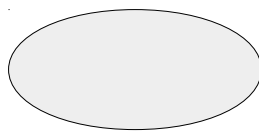
UML Diagrams:

UML: UML stands for Unified Modeling Language. UML is a language for specifying, visualizing and documenting the system. This is the step while developing any product after analysis. The goal from this is to produce a model of the entities involved in the project which later need to be built. The representation of the entities that are to be used in the product being developed need to be designed.

Actor: A coherent set of roles that users of use cases play when interacting with the use cases. an observable result of value of an actor.



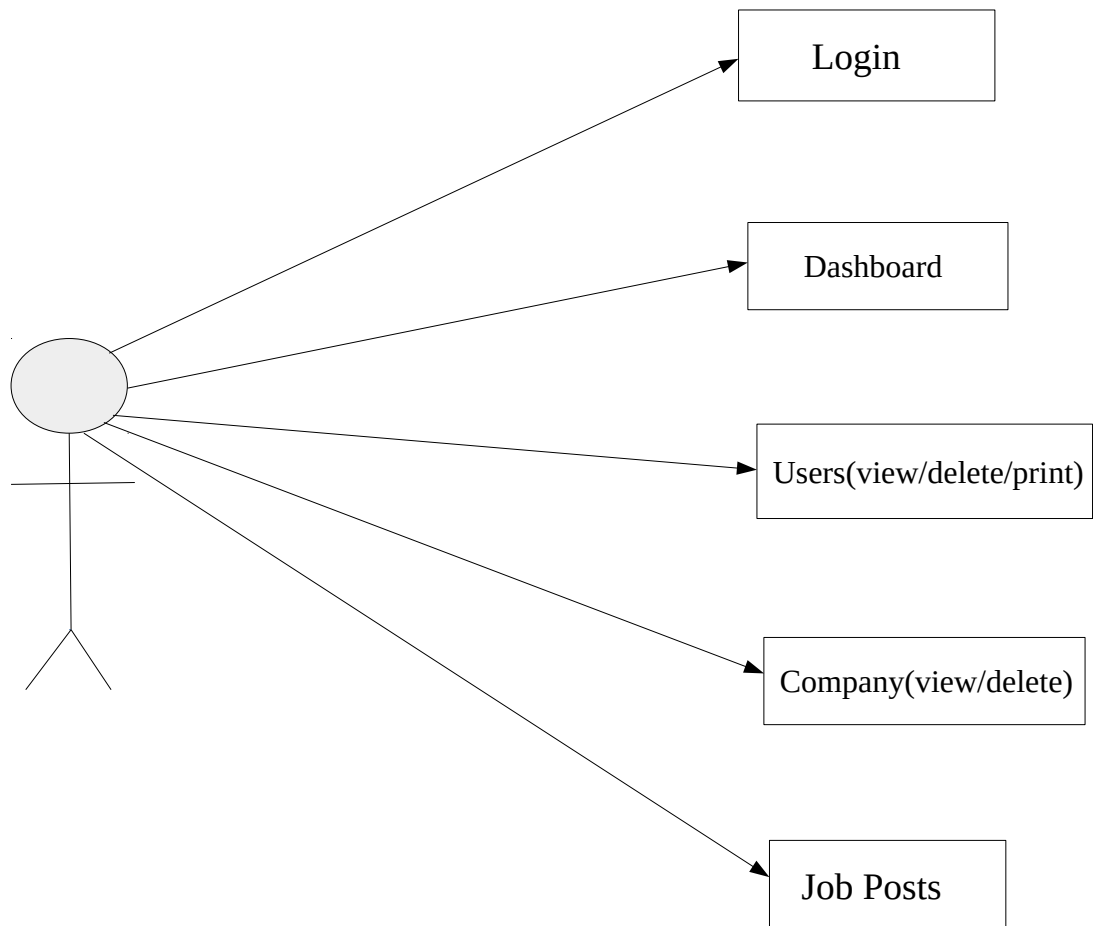
Use case: A description of sequence of actions, including variants, that a system performs yields an observable result of value of an actor. actor diagram is drawn in a eclipse shape



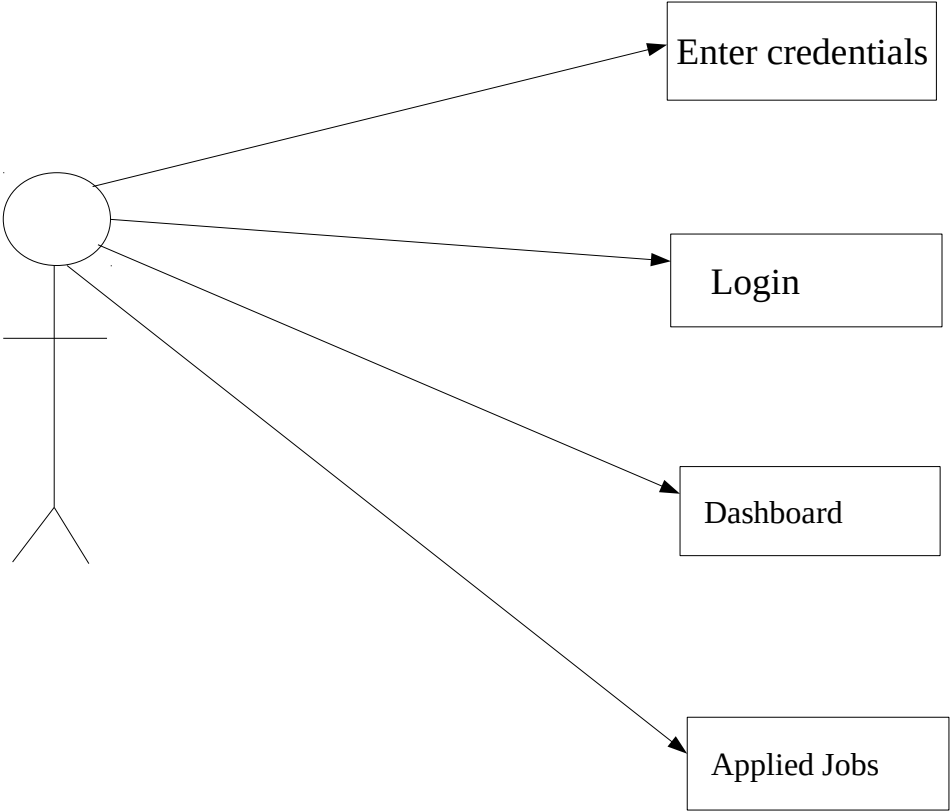
USECASE DIAGRAMS:

Use case diagrams model behavior within a system and helps the developers understand of what the user require. The stick man represents what's called an actor. Use case diagram can be useful for getting an overall view of the system and clarifying that can do and more importantly what they can't do. Use case diagram consists of use cases and actors and shows the interaction between the use case and actors. The purpose is to show the interactions between the use case and actor. To represent the system requirements from user's perspective. An actor could be the end-user of the system or an external system.

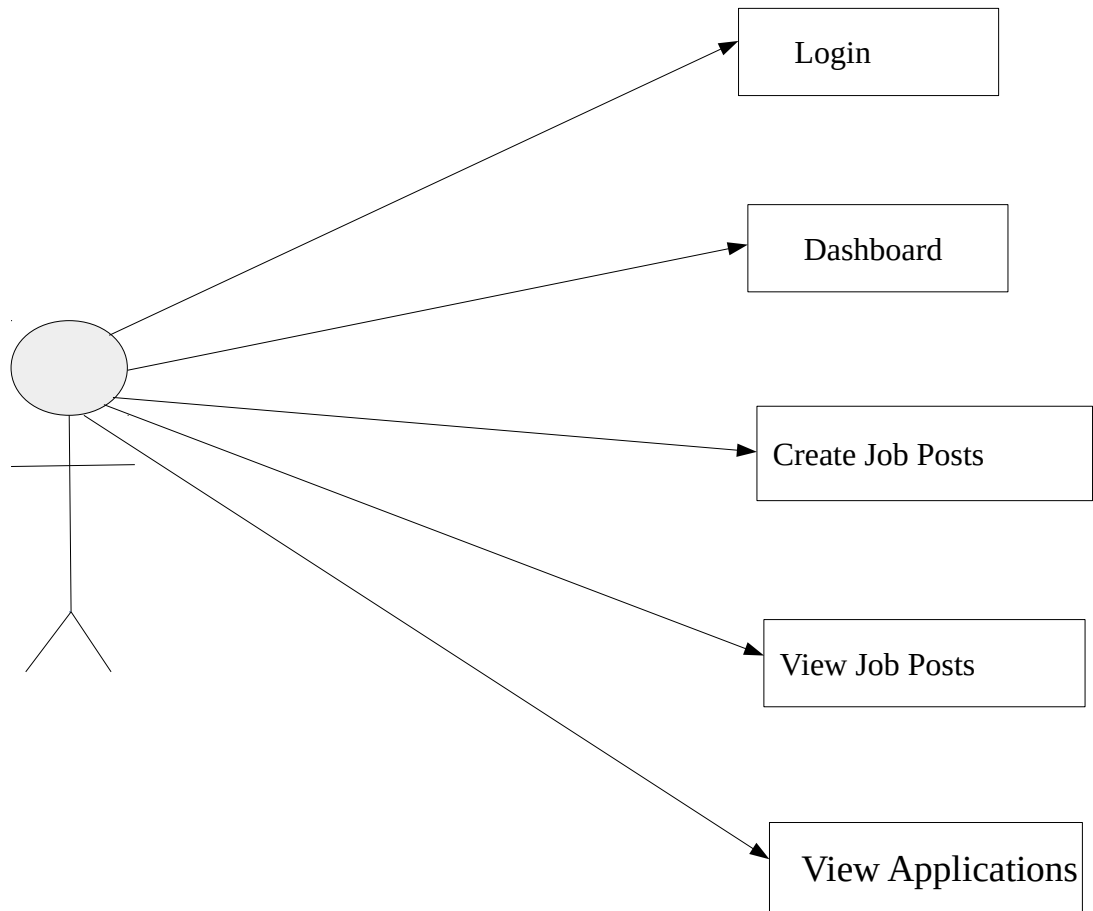
Admin



Candidate

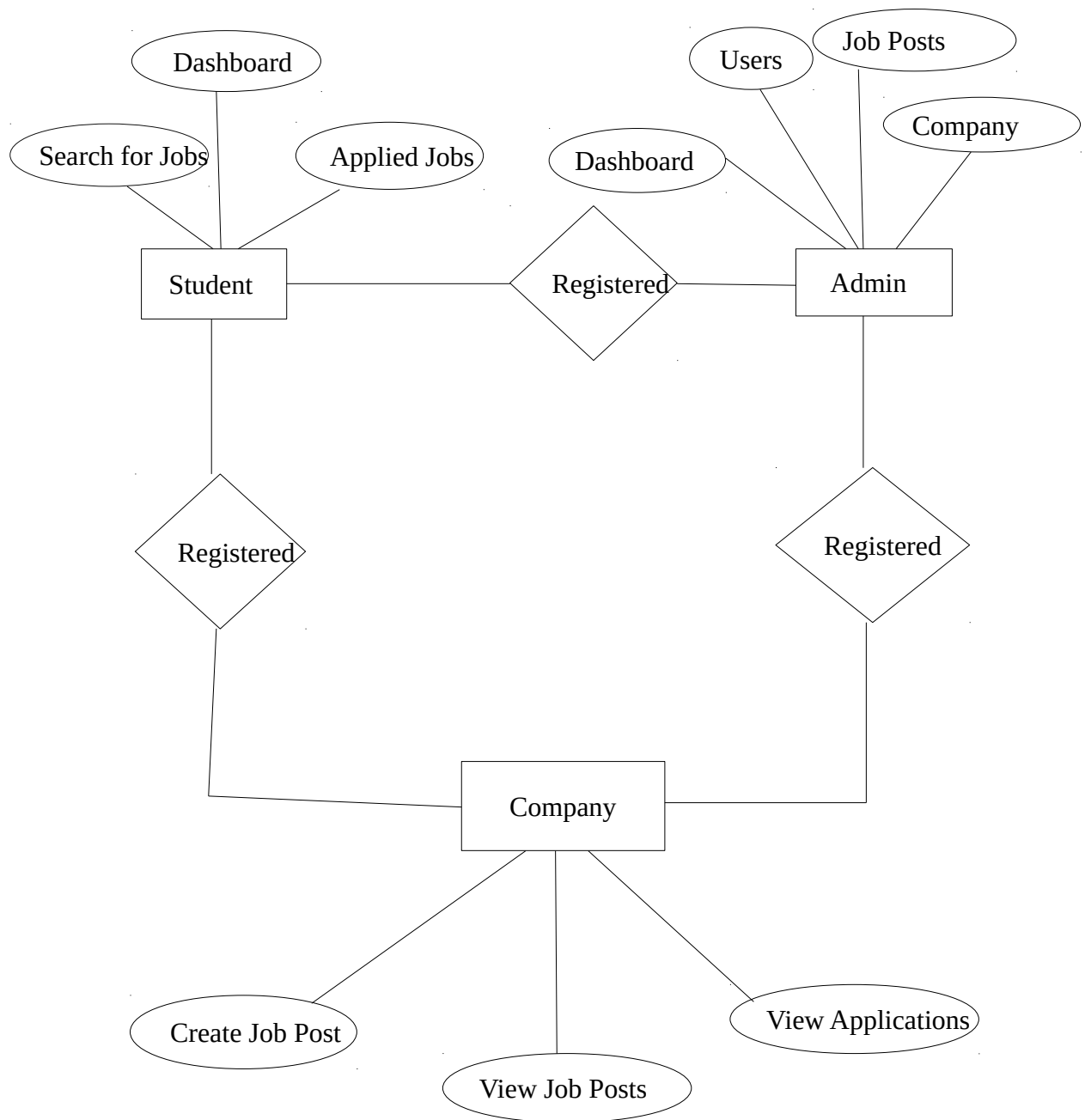


Company



ER Diagram:

The Entity-Relationship (ER) model was originally proposed by Peter as a way to unify the network and relational database views. Simply stated the ER model is a conceptual data model that views the real world as entities and relationships. A basic component of the model is the Entity-Relationship diagram which is used to visually represent data objects. Since Chen wrote his paper the model has been extended and today it is commonly used for database design for the database designer.



Implementation and System Testing

After all phase have been perfectly done, the system will be implemented to the server and the system can be used.

System Testing

The goal of the system testing process was to determine all faults in our project .The program was subjected to a set of test inputs and many explanations were made and based on these explanations it will be decided whether the program behaves as expected or not. Our Project went through two levels of testing

1. Unit testing
- 2 .Integration testing

Unit Testing

Unit testing is commenced when a unit has been created and effectively reviewed .In order to test a single module we need to provide a complete environment i.e. besides the section we would require The procedures belonging to other units that the unit under test calls Non local data structures that module accesses .A procedure to call the functions of the unit under test with appropriate parameters

1. Test for the admin module

Testing admin login form-This form is used for log in of administrator of the system. In this form we enter the username and password if both are correct administration page will open otherwise if any of data is wrong it will get redirected back to the login page and again ask the details.

Integration Testing

In the Integration testing we test various combination of the project module by providing the input. During this testing different modules of the system are integrated using integration plan. It specifies the steps and the order in which modules are combined to realize the full system.

The primary objective is to test the module interfaces in order to confirm that no errors are occurring when one module invokes the other module.

Evaluation

STUDENT LOGIN

The screenshot shows a Firefox Web Browser window with the title 'Candidate Login'. The address bar displays 'localhost/Placement Management/login.php'. The page features a navigation bar with links: 'Placement Management System', 'Search for Jobs', 'Register', and 'Login'. Below this is a dark blue header with the text 'Candidate Login'. The main content area contains a login form with two input fields: 'Email Address' and 'Password'. The 'Email Address' field has a placeholder 'Email' and the 'Password' field has a placeholder 'Password'. A 'Submit' button is located below the password field. A link 'Forgot Password? Click Here...' is positioned below the 'Submit' button. At the bottom of the page, there is a dark footer with two sections: 'NAVIGATION' and 'CONTACT US'. The 'NAVIGATION' section includes links: 'Home', 'Student Login', and 'Candidate Login'. The 'CONTACT US' section includes the text 'IIT RGUKT' and 'Idupulapaya, Andhra Pradesh, India'.

Activities Firefox Web Browser Wed May 3, 2:26:08 PM

Candidate Login

localhost/Placement Management/login.php

Placement Management System Search for Jobs Register Login

Candidate Login

Email Address :

Password :

Submit

[Forgot Password? Click Here...](#)

NAVIGATION

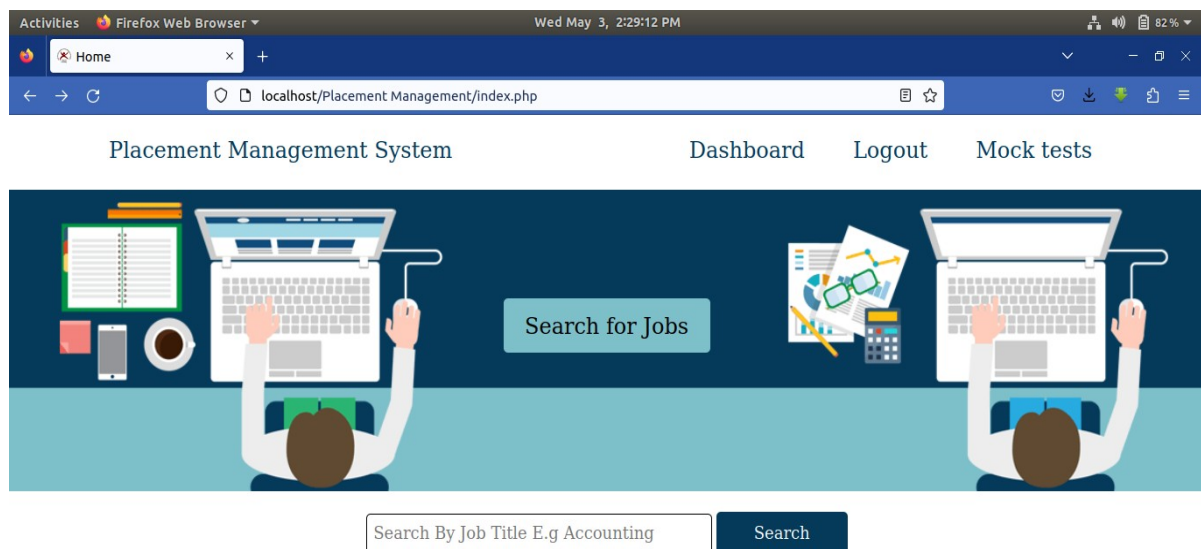
- Home
- Student Login
- Candidate Login

CONTACT US

IIT RGUKT

Idupulapaya, Andhra Pradesh, India

AFTER LOGIN



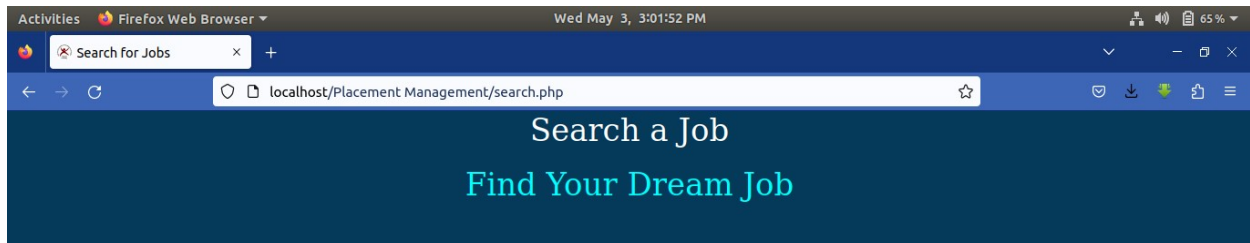
Latest Job Posts

Web Developer

Rs. 40000 per Month

Company Name : Infosys | Head Office : Bangalore | Experience Required : 0 Years

SEARCH FOR JOBS



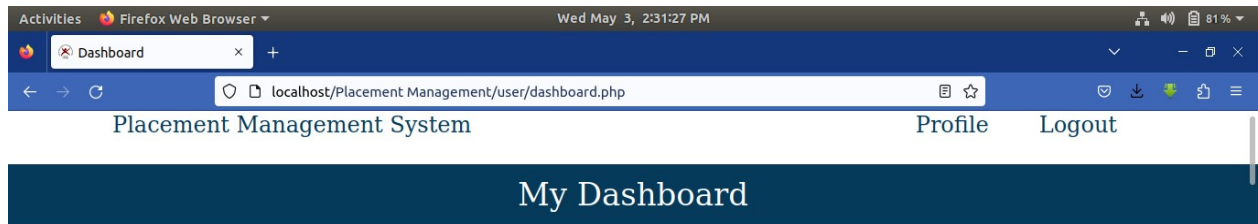
Experience : Qualification :

Show entries

Search:

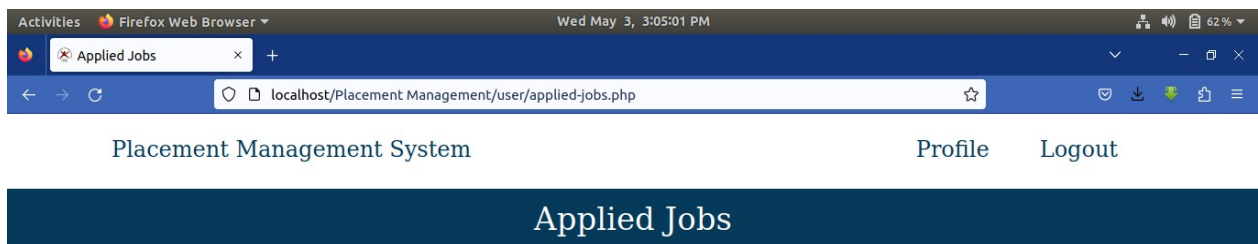
Job Name	Job Description	Minimum Salary	Maximum Salary	Experience	Qualification	Action
Sales Head	Data Infosys takes pride in its employees. These are the values that inspire us, as we help out our clients to accelerate software development programs.	50000	60000	Fresher	MBA	Apply
Software Developer	Position Overview: As a Lead, you will interface with key stakeholders and apply your technical proficiency across different stages of the Software	40000	43000	5	MCA or B.Tech	Applied

DASHBOARD



Job Name	Job Description	Minimum Salary	Maximum Salary	Experience	Qualification	Action
Back Office Operations	TCS BPS Mega Hiring for Back office operations(Non Voice) @ Mumbai, Interviews on 25th April	Rs.15000	Rs.20000	Fresher Years	Any Graduate	Apply

VIEW APPLIED JOBS



Job Name	Job Description	Created At	Status
Web Developer	Good Programming Skills	03-May-2023	Pending
Software Engineer	Good Programming skills	03-May-2023	Pending

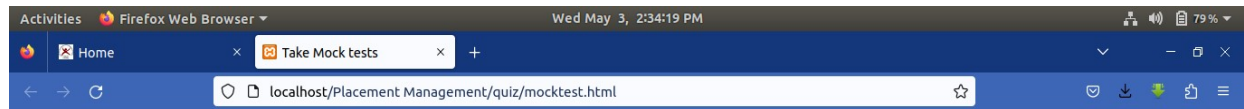
NAVIGATION

- [Home](#)
- [Student Login](#)
- [Company Login](#)
- [Placement Login](#)

CONTACT US

IIIT RGUKT
Idupulapaya, Andhra Pradesh, India
1234567890
iiitrguktrkvalley@gmail.com

MOCKTEST



MOCK TEST

Aptitude Test

Verbal Test

Reasoning Test

C language test

Java test

C++ Test

Python Test

Javascript Test

HTML and CSS Test

COMPANY LOGIN

Activities Firefox Web Browser Wed May 3, 2:36:41 PM

Company Login

localhost/Placement Management/company-login.php

Placement Management System Search for Jobs Register Login

Company Login

Email Address :

Password :

[Forgot Password? Click Here...](#)

NAVIGATION

- Home
- Student Login

CONTACT US

IIIT RGUKT

Idupulapaya, Andhra Pradesh, India

DASHBOARD

Activities Firefox Web Browser Wed May 3, 2:38:33 PM

Dashboard

localhost/Placement Management/company/dashboard.php

Placement Management System Logout

Dashboard

NAVIGATION

- Home
- Student Login

CONTACT US

IIIT RGUKT

CREATE JOB POST

Activities Firefox Web Browser Wed May 3, 2:40:50 PM

Create Job Posts

localhost/Placement Management/company/create-job-post.php

Create Job Post

Job Title :

Job Description :

Minimum Salary :

Maximum Salary :

Experience Required :

Qualification Required :

Create

VIEW JOB POST

Activities Firefox Web Browser Wed May 3, 2:41:48 PM

View Job Posts

localhost/Placement Management/company/view-job-post.php

Placement Management System Dashboard Logout

All Job Posts

Job Name	Job Description	Minimum Salary	Maximum Salary	Experience	Qualification	Created At	Action
Software Engineer	Good Programming skills	30000	40000	0	BTech	03-May-2023	Edit Delete

NAVIGATION

- Home
- Student Login
- Company Login
- Placement Login

CONTACT US

IIIT RGUKT
Idupulapaya, Andhra Pradesh, India
1234567890
iiitruguktrkvalley@gmail.com

VIEW APPLICATIONS

Activities Firefox Web Browser Wed May 3, 2:43:29 PM

Application Details x +

localhost/Placement Management/company/view-job-application.php

Placement Management System Dashboard Logout

Application Details

Job Post Name	Job Description	User Name	Action
Software Engineer	Good Programming skills	Raju A	View

NAVIGATION

- Home
- Student Login
- Company Login
- Placement Login

CONTACT US

IIT RGUKT
Idupulapaya, Andhra Pradesh, India
1234567890
iiitrguktrkvalley@gmail.com

VIEW USER APPLICATIONS

Activities Firefox Web Browser Wed May 3, 2:45:37 PM

User Application x +

localhost/Placement Management/company/view-application.php?id_user=8&id_jobpost=12

Placement Management System Dashboard Logout

View User Application

Name : Raju A

Email : raju@gmail.com

Address : Kadapa

City : Kadapa

State : Andhra Pradesh

Contact No : 1234567890

Qualification : BTech

Stream : CSE

Passing Year : 2023-05-01

Date Of Birth : 2001-05-10

Designation : Student

[Reject User](#)

NAVIGATION

- Home
- Student Login
- Company Login
- Placement Login

CONTACT US

IIT RGUKT
Idupulapaya, Andhra Pradesh, India
1234567890
iiitrguktrkvalley@gmail.com

PLACEMENT LOGIN

Activities Firefox Web Browser Wed May 3, 2:53:26 PM

Placement Login

localhost/Placement Management/admin/index.php

Placement Management System Search for Jobs Register Login

Placement Login

Username :

Password :

Submit

NAVIGATION

- Home
- Student Login
- Company Login
- Placement Login

CONTACT US

IIIT RGUKT
Idupulapaya, Andhra Pradesh, India
1234567890
iiitrguktrkvalley@gmail.com

DASHBOARD

Activities Firefox Web Browser Wed May 3, 2:54:09 PM

Dashboard

localhost/Placement Management/admin/dashboard.php

Placement Management System Logout

Admin Panel

Dashboard
Users
Company
Job Posts

Welcome To Dashboard, Admin!

NAVIGATION

- Home
- Student Login
- Company Login
- Placement Login

CONTACT US

IIIT RGUKT
Idupulapaya, Andhra Pradesh, India
1234567890

REGISTERED USERS

Activities Firefox Web Browser Wed May 3, 2:55:19 PM

Users List

localhost/Placement Management/admin/user.php

Users

Company

Job Posts

Total Number of Users: 9

Sr.No	First Name	Last Name	Email	Address	Action
1	Rahul	Panchal	rahulnpanchal50@gmail.com	Bhayandar(East)	Delete
2	Shubham	Upadhyay	shubhamupadhyay109@gmail.com	Nallasopara(West)	Delete
3	Bhavin	Panchal	bhavin@gmail.com	Bhayandar(East)	Delete
4	Rishab	Sharma	rishab@gmail.com	Bhayandar(East)	Delete
5	Prince	Vishwakarma	prince@gmail.com	Bhayandar(East)	Delete
6	Jash	Kansara	jash@gmail.com	Borivali(West)	Delete
7	Nitin	Patel	nitin@gmail.com	Bhayandar(East)	Delete

REGISTERED COMPANIES

Activities Firefox Web Browser Wed May 3, 2:56:21 PM

Companies List

localhost/Placement Management/admin/company.php

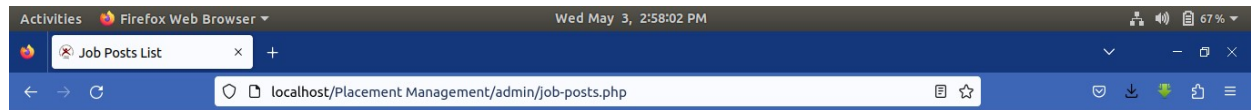
Company

Job Posts

Total Number of Companies: 8

Sr.No	Company Name	Head Office	Contact Number	Company Type	Action
1	TCS	Bangalore	8879096228	Software Solutions	Delete
2	Capital First	Delhi	9987927330	Sales & Marketing	Delete
3	Infosys	Chennai	9702818665	Software Solutions	Delete
4	Reliance	Mumbai	7021275658	Electronics	Delete
5	Croma	Ahmedabad	8655225165	Electronics	Delete
6					Delete
7	TCS	Hyderabad	7826510917	service based	Delete

JOB POSTS



Job Posts

Total Number of Job Posts: 12

Sr.No	Job Title	Job Description	Minimum Salary	Maximum Salary	Total Users Applied	Action
1	Back Office Operations	TCS BPS Mega Hiring for Back office operations(Non Voice) @ Mumbai, Interviews on 25th April 2018 Interview Location : Raj Palace, Worli, Mumbai.	15000	20000	1	Delete
2	Sales Managers	Should have worked in to the MSME Products.- Individual Business	23000	25000	0	Delete

Conclusion

In the existing system most of the the work will be done manually, as it takes more time for any changes in the system. The major problem with this existing system are notification method available is not available for giving information about student expect the notice board or circulars. The proposed system is online training and placement management system gives the automation in all the process of campus recruitment, searching student details individually.

REFERENCES

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<https://www.geeksforgeeks.org/>