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DEPARTMENT OF COMPUTER ENGINEERING

MET's Institute of Engineering Bhujbal Knowledge City

Adgaon, Nashik-422003

A Mini Project Report on

" Placement Management System "

Submitted *By*

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THIRD YEAR
COMPUTER ENGINEERING

For Academic Year 2023-2024

Under the guidance of

Prof. Kanchan Pekhale

Certificate

This is to Certify that

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has completed the necessary Mini-project work and prepared the report on

" Placement Management System"

In satisfactory manner as a fulfillment of the requirement of the Third Year Computer Engineering in the Academic year 2023-2024

Project Guide   H.O.D

Prof. Kanchan Pekhale   Dr. P. M. Yawalkar

Acknowledgments

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by

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Abstract

The project aims at developing a web application for the placement cell. The system is an online web application that can be accessed through an online portal. It enables college Training and Placement faculties to register online and upload their academic and personal details. They will have their portals to update information as necessary and can view recent and upcoming job postings on their dashboard. The system can be use for college to manage the student information with regards to placement details .This project specialize web app development & user interface design. Students can search for the material required for the selection process for placement papers. Placement companies, recruitments, events conduct in the college and the achievements of the students i.e. selected students details can be viewed on the portal.

Our project provides the facilities of maintaining the details of the students and performing CRUD(create, read, update and delete) operation on it. It reduces the manual paper work to reduce the time. This project is developed with HTML and CSS for frontend and PHP, Xampp and Mysql for backend. The main objective to develop Placement Cell Management System PHP and MySQL Project is to overcome the manual errors and make a computerized system

Chapter 1

1.1   Introduction

The project is aimed at developing an online web application for the training and placement department of the college. The system is an online web application that can be accessed throughout the Institute with proper login provided. This system can be used as an application for the Training and Placement officer of the college to manage the student information with regard to placement. Student logging should be able to upload their information. T&PO has 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 paperwork and utilize the maximum capability of the setup and organization as well as it will save time and money.

In today's date campus recruitment is common in all colleges yet the drive brings a lot of stress to students as well as placement officers. Various software and other sector companies are conducting campus selections for choosing merit candidates. When campus selections are conducted the students are to submit their details to the concerned placement officer to apply for the hiring process. This routine process is maintained manually, like gathering student details and shortlisting eligible students based on company criteria. Traditionally, all important information is displayed on the notice board as a result many students are not able to get the information within the time limit. Moreover, students manually submit their details, thus there are chances of errors or students failing to update their information on time. Hence, there is a requirement to computerize the system to reduce the chances of error and provide more efficiency. The admin module plays an important role in our project. They provide validation of students' registration and updating of details. The admin will be able to see the students registered for any particular company and their status

The placement management system provides information about placed students, campuses for which students have applied, latest campus drives and the placements they offer so that students may view and assess their opportunities. Placement Management System is an application to facilitate students to register and fill the application form. The users can access it easily and the data can be retrieved in no time. In the student's login, they can give personal details, educational qualifications, and professional skills. The placement details of the placed students will be provided by the administrator.

The TPO plays an important role in this web application. The department TPO will create student accounts and provide them login details. They can also keep record of the student's performance on campus and the count of placed and unplaced students so that they can advise students regarding placement and drives. This project will benefit student's participation and interaction with faculty as well as TPO so that colleges can achieve a lot of success in placements. This system will definitely make training and placement management easier for the TPO. With this application colleges will have well-developed website to inform their students of new opportunities and how to prepare for campus and get a work integrated learning experience.

Chapter 2

2.1 Objective

The Objective of this project are:

- The main objective of the Placement Management System is to manage the details of Student and Placement Cell.
- Saves the time of placement officer and faculties.
- The purpose of the project is to build a web-page to reduce the manual work for managing Academic information.
- Editing, adding and updating records is improved which results in proper management of data.
- Tracks information of Student details and Placements
- This system makes student information more secure.

2.2 Motivation

- To Develop a Website for college which will give information about placement within click.
- To make Website which is much faster, easier at the same time avoiding conflicts.
- To make the task of TPO earlier which is also complicated as they have to maintain all the data, resume of the students manually.
- To create system which will give the information about companies, eligibility criteria
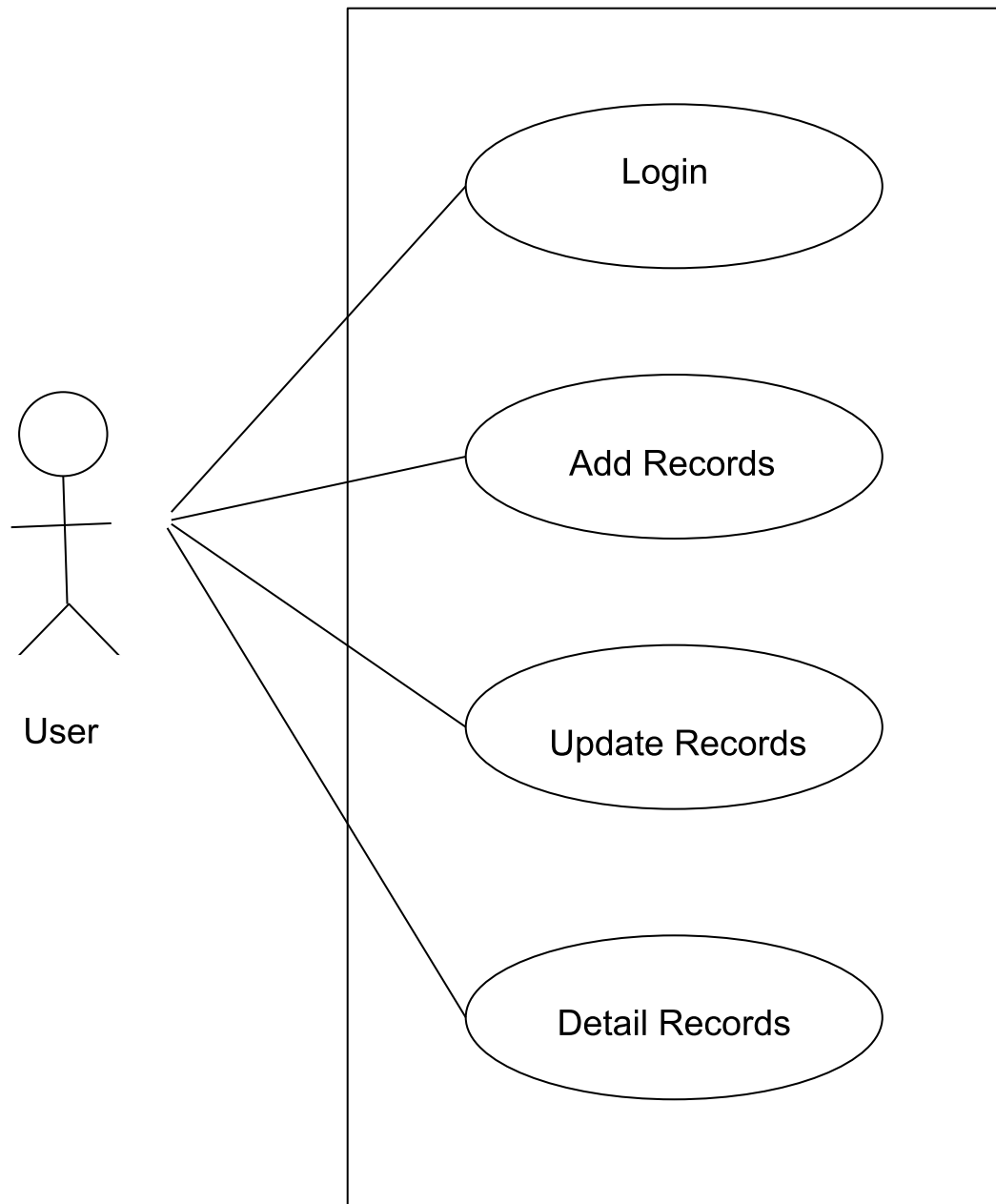
Chapter 3
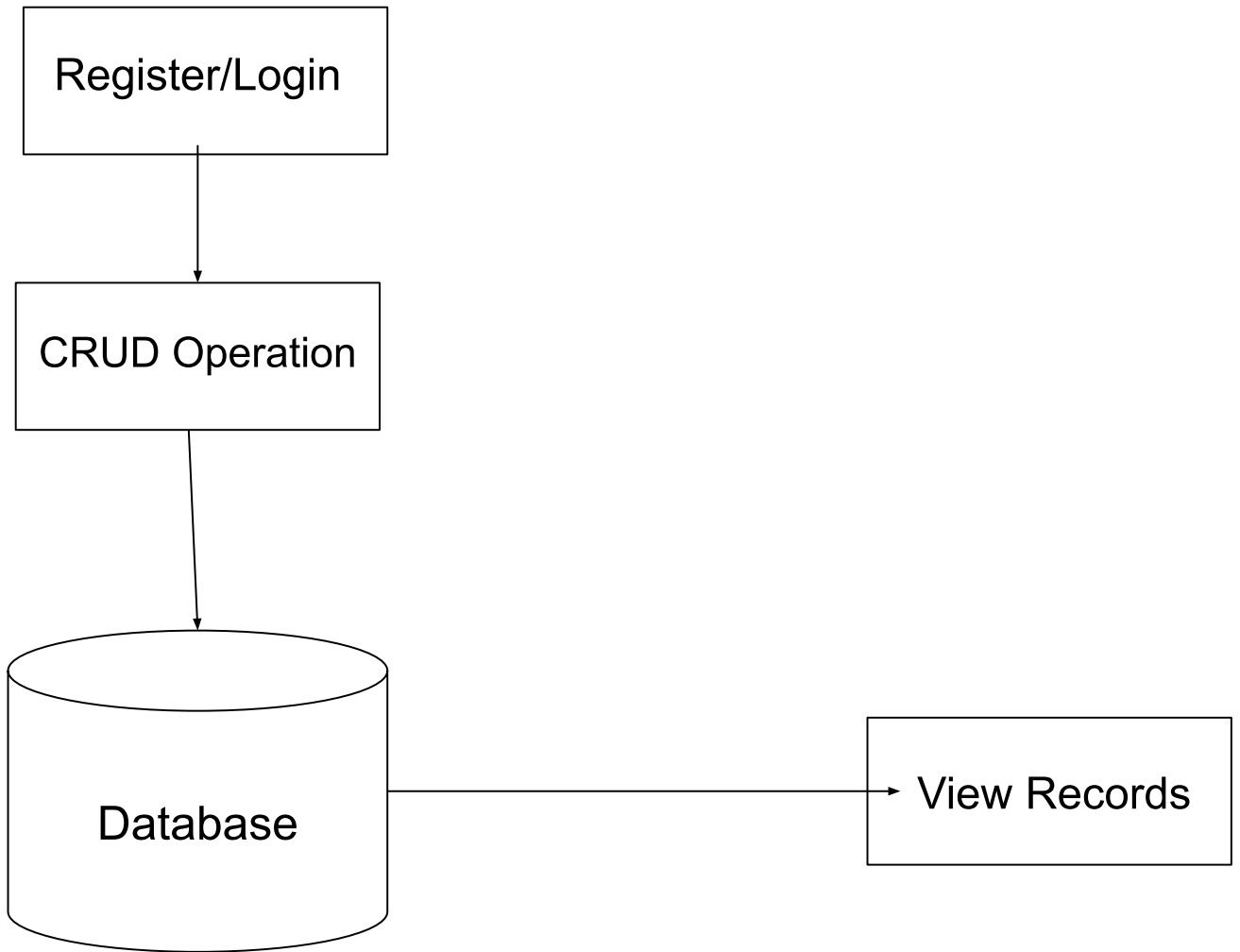## 3.1 Diagram

Fig 3.1.1 Use-Case Diagram

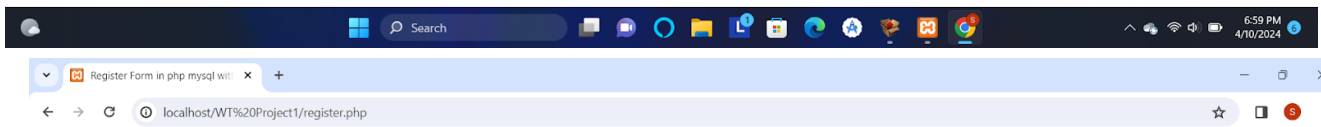**Fig 3.1.2 DataFlow Diagram**

Chapter 4

4.1 Implementation

First Name

Last Name

Company Name

Package

Submit
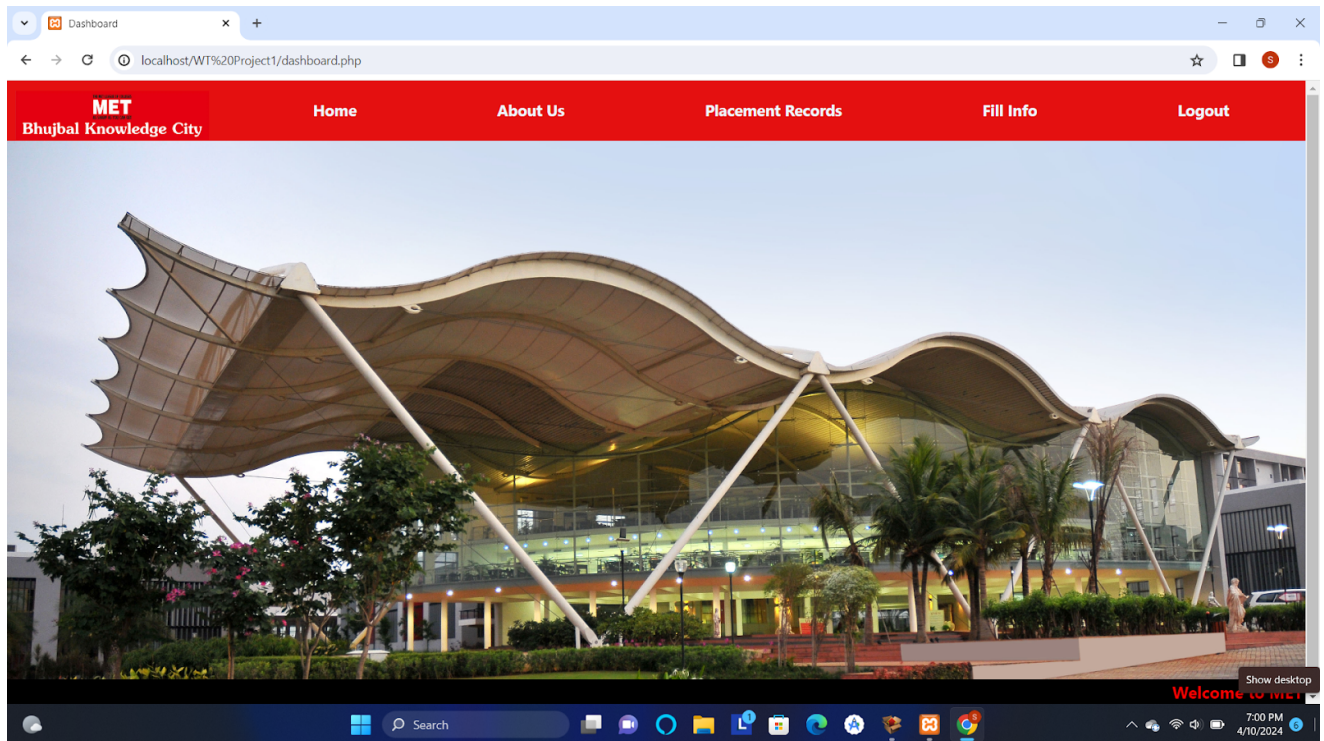

Objectives

- To strengthen the industry-institute collaboration by signing MoUs
- Carrying out need base the continuous assessment of the technical and nontechnical skills of the students that help them identify their weaknesses
- Organize the career development programs that help students to stay motivated for placements, higher studies or Entrepreneurship
- Organizing expert talks for all the students to cope up well with the expectation of academic and non-academic needs
- Acting as a strong link between students, alumni, and the employment community
- Continuous active communication with the industries for sponsorship projects, internships, placements and keep updates for latest trends
- Always aim to provide the best possible support to an individual for encashment of available opportunities to excel

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Placement Records

ID	First Name	Last Name	Comapny	Package	Edit	Delete
4	Giwil	Gidwani	Gupshup	15 LPA.	Edit	Delete
7	Tejas	Aher	Altimetric	7.50 LPA.	Edit	Delete

4.2 Challenges faced

- Large Data management
- Maintaining Security of Student's Record
- Ensuring Compatibility

Chapter 5

5.1 Hardware Requirements

- Processor: Minimum 1GHz
- Ethernet Connection(LAN) or wireless Adapter(Wi-Fi)
- Hard Drive: Minimum 32GB
- Memory(RAM): Minimum 1GB

5.2 Software Requirements

- Operating System: Windows 7/8/10/Ubuntu
- Browser: Firefox/ Google Chrome/ Microsoft Edge
- Software/Editor: Sublime Editor/ Notepad/ Notepad++
- XAMPP Server

Chapter 6

6.1 i) Advantages

1. PMS automates and streamlines the process of job placements, making it easier for educational institutions and students

2. PMS facilitates efficient communication between students, employers, and placement coordinators.

3. This increases students' visibility to an increasing number of opportunities

4. PMS can be customized to meet the specific needs of different educational institutions and adapted to accommodate changes in the placement process over time.

5. It can also scale up to handle large volumes of job postings and applications.

ii) Disadvantages

1. Developing and maintaining a PMS requires technical expertise in web development, database management, and software engineering.

2. It may pose challenges related to system compatibility, security vulnerabilities, and software updates.

3. Data Privacy concern

6.2 Applications

1. Student's Placement Services
2. Employer Recruitment
3. Placement Coordination
4. Career Services Management

Chapter 7

7.1 Conclusion

In the existing system maximum work goes manually and it is an error prone system, takes time for any changes in the system. The big problem is the searching and updation of the student data and also no notification method available for giving information to students except the notice board.

The proposed online training and placement management system gives the automation in all the processes like registration, updation, searching. It provides a detailed solution to the existing system problem.

7.2 Future Enhancement

The project facilitates a user friendly, reliable and fast management system. The placement officer itself can carry out operations in a smooth and effective manner. They need not concentrate on record keeping. The college can maintain computerized records thus reducing paper work, time and money.