

A Mini Project Report

on

Training and Placement Management System

by

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SAVITRIBAI PHULE PUNE UNIVERSITY

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Department of Comp and IT

**G.H. Raisonni Institute of Engineering &
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Date:

CERTIFICATE

This is to certify that,

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of class T.E IT; have successfully completed their mini project work on “Training and Placement System ” at **G H Raisonni Institute of Engineering and Technology** in the partial fulfillment of the Graduate Degree course in T.E at the department of Comp and IT, in the academic Year 2019-2020 Semester – I as prescribed by the Savitribai Phule Pune University.

Mrs. Sonali Sonavane
Guide

Mrs. Rachna Sable
Head of the Department
(Department of Comp and IT)

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Abstract

The purpose of Training and Placement Management System is to automate the existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Training and 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 their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

The aim is to automate its existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to manage for good performance and better services for the clients.

CHAPTER 1

INTRODUCTION

1.1 Overview and Motivation

The Training and Placement, Career Guidance & Entrepreneurship Cell of the college provides guidance and all the assistance for the students in order to achieve their career goals. The unit takes right steps in identifying the demands of the current industry and prepares our students towards this need. Adequate emphasis is given for soft skill development complementing the regular academic programs.

Aptitude tests and group discussions are conducted at regular intervals to enable the students to improve their performance in competitive exams. The Placement Officer who is assisted by faculty and student representatives from all the departments heads this unit. Job oriented courses and special training programmes are regularly conducted.

1.2 Problem Statement

This project is aimed at developing an online application for the Training and Placement Dept. of the college. The system is an online application that can be accessed throughout the organization and outside as well with proper login provided. This system can be used as an application for the TPO of the college to manage the student information with regards to placement. Students logging should be able to upload their information in the form of a CV. Visitors/Company representatives logging in may also access/search any information put up by Students.

1.2.1 Purpose:

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.

CHAPTER 2

Scope & Limitation of Project

2.1 Scope of Project:

The project covers a wide scope. The information of all the students can be stored. CV's are categorized according to various streams. Various companies can access the information. Students can maintain their information and can update it. Notifications are sent to students about the companies. Students can access previous information about placement.

2.2 Limitation of Project

- Placement officer can easily collect student' details, and approve the details provided by them.
- As it is an online application, communication with placement officer is easy to students and recruiters, so here intimating about new placements very easy task.
- Students can know about company details through the details provided by Placement officer and through the websites provided by him at recruiters option.
- Here recruiters can also search for the details provided by students on the basis of their percentage.

Placement officer can send required materials used for placements preparation to students. With this option preparation for placements becomes easy.

2.2.1 Proposed system and merits

The proposed system is fully computerized, which removes all the drawbacks of existing system. Proposed system is an online application that can be accessed throughout the organization and outside as well with proper login provided. This system can be used as an application for the TPO of the college to manage the student information with regards to placement. Students logging should be able to upload their information in the form of a CV. Visitors/Company representatives logging in may also access/search any information put up by Students.

All the users have some common services like changing password, updating details, searching for details, checking the details, mailing to administrator, and reading the material uploaded by admin if the user is a student. Administrator has to do the services like adding events, achievements and he can reply to the mails sent by users. He can upload materials, search for student details, and he has the right to approve the students.

CHAPTER 3

Software Requirement Specification

3.1 Hardware Requirements

Processor	: Pentium 2 or above
Hard Disk	: 10GB
RAM	: 512MB

3.2 Software requirements:

Operating System	: Windows 10
Technology	: Bootstrap(framework)
Web Technologies	: PHP,MYSQL
Web Server	: Xamp
Database	: MYSQL

Features of MySQL

- Relational Database System: Like almost all other database systems on the market, MySQL is a relational database system.
- Client/Server Architecture: MySQL is a client/server system. ...
- SQL compatibility: MySQL supports as its database language -- as its name suggests -- SQL (Structured Query Language).

Advantages of MySQL

- Data Security. ...
- On-Demand Scalability. ...
- High Performance. ...
- Round-the-clock Uptime. ...
- Comprehensive Transactional Support. ...

- Complete Workflow Control. ...
- Reduced Total Cost of Ownership. ...
- The Flexibility of Open Source.

Features of PHP

- It is most popular and frequently used world wide scripting language, the main reason of popularity is; It is open source and very simple. ...
- Simple. ...
- Interpreted. ...
- Faster. ...
- Open Source. ...
- Platform Independent. ...
- Case Sensitive. ...
- Error Reporting.

Advantages of PHP

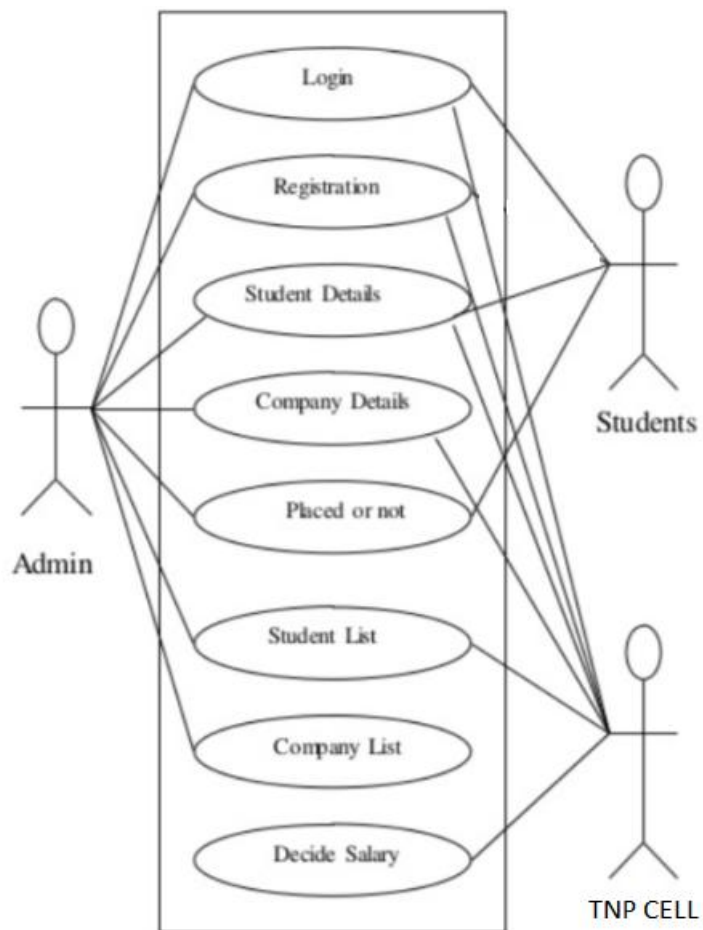
- Open Source: **PHP** is open source and free of cost, which helps developers to install it quickly and readily available for use. ...
- Platform Independent: ...
- Simple and Easy: ...
- Database: ...
- Fast: ...
- Maintenance: ...
- Support: ...
- Testing:

CHAPTER 4

UML Diagram

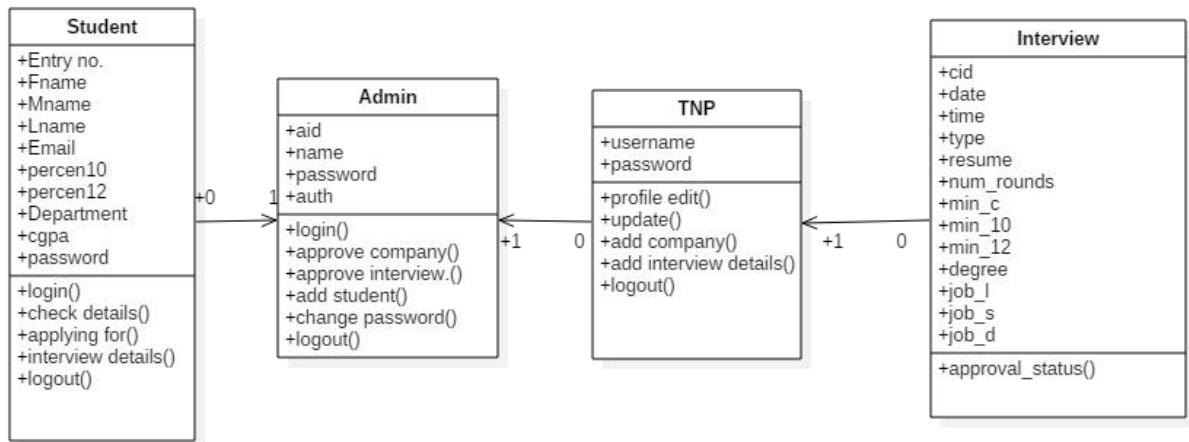
4.1 Usecase Diagram

This is a Usecase Diagram for Training and Placement management system. In this, there are three actors; admin, student and TNP. Admin views student details and registers them.



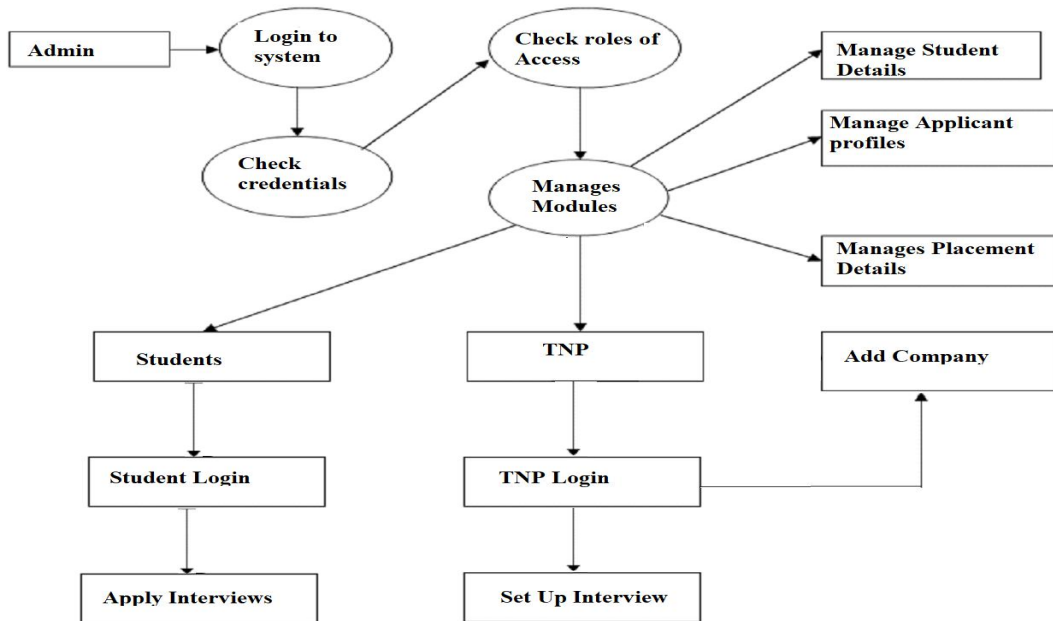
4.2 Class Diagram

In class diagram, 'student', 'admin', 'tnp', 'interview' are classes. Included in each class there are their attributes and operations.



4.3 Data Flow Diagram

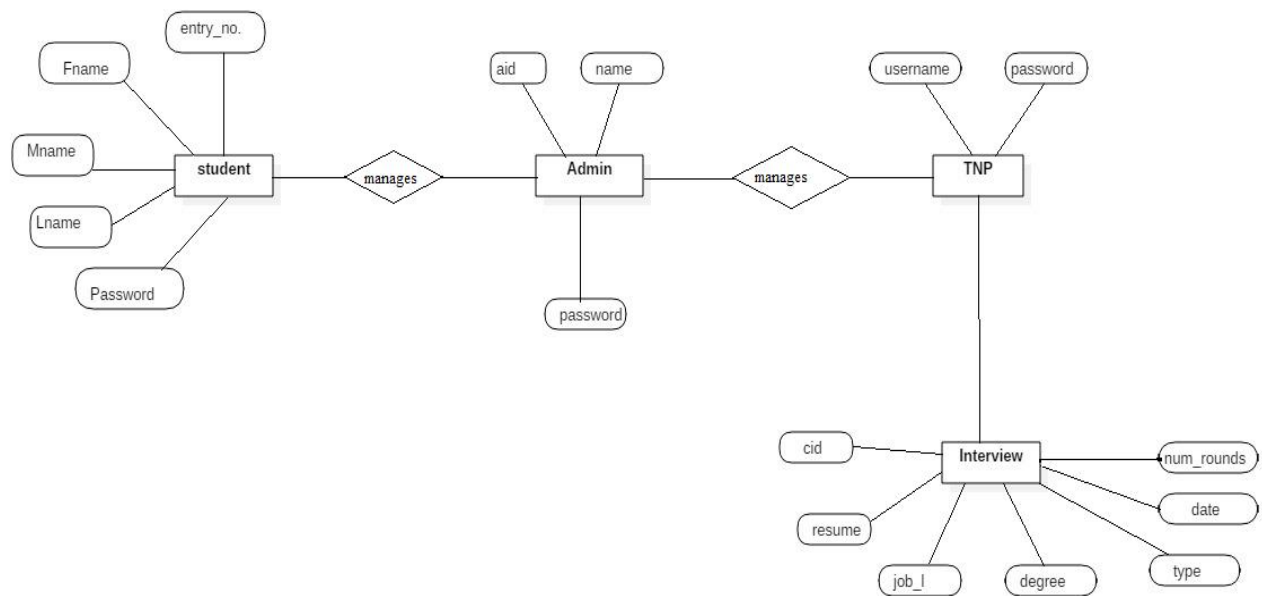
The diagram shows flow of data from admin to the system. When admin logs into system, the system checks credentials and checks roles of access. After access had been given, it can manage modules like student, TNP, manage student details, applicant profile.



CHAPTER 5

Entity-Relationship Diagram

In below ER Diagram Student, Admin, TNP and Interview are 'Entities'. Student entity possesses many attributes, such as entry_no, fname, lname, mname, password. In the following diagram, "manages" is the condition to connect student, asmin and TNP.



CHAPTER 6

ER To Table Conversion

ADMIN		
aid	name	password

Table no: 6.1 Admin table

STUDENT				
Entry_no.	Fname	Mname	Lname	Password

Table no: 6.2 Student Table

TNP	
username	password

Table no: 6.3 TNP table

INTERVIEW						
cid	date	type	degree	num_rounds	resume	job_l

Table no: 6.4 Interview table

CHAPTER 7

Coding(Connectivity)

```
<?php
```

```
include "config.php";
```

```
session_start();
```

```
$conn = get_conn();
```

```
$username=$_POST['uname'];
```

```
$password=$_POST['pass'];
```

```
$sql ="select * from admin where aid='".$username.'" ;"
```

```
$q = $conn->query($sql) or die('failed');
```

```
$r = mysqli_fetch_assoc($q);
```

```
if ($r['password'] == $password){
```

```
    $_SESSION['name'] = $username;
```

```
    $_SESSION['auth'] = 1;
```

```
    header("Location:students.php");
```

```
}
```

```
else{
```

```
    $msg = "LoginError";
```

```
    header("Location:index.php?msg=".urlencode($msg));
```

```
}
```

```
?>
```

CHAPTER 8

Screen Shots

The screenshot shows the TnP Cell main page. At the top is a navigation bar with links: TnP Cell, Home, About, Contact, and Log Out. The main content area has the title "TnP Cell" and a welcome message: "Welcome to online portal for all information related to training and placement of students". Below this, there are two login sections. The "Student sign in" section has an "Entry Number" field, a "Password" field, and a blue button labeled "I'm a Student". The "TNP sign in" section has a "Username" field, a "Password" field, a blue button labeled "I'm a TnP", and a smaller blue button labeled "New Company".

Fig10.1 TNP Main Page

This is the main page of the TNP Cell from Students and TNP will sign in and new company where also registered by TNP

The screenshot shows the Student Sign in page. At the top is the same navigation bar as in Fig 10.1. On the left is a sidebar menu with links: Profile, Courses Done, Interviews, and Apply. The main content area has a yellow notification bar at the top that says "New Notification: Congrats. You have been selected at". Below this is a welcome message: "Welcome abhishek kumar singh". Underneath is the heading "Your profile Information:" followed by several input fields showing the student's details: Full Name / abhishek kumar singh, Email / abhikmr@gmail.com, Department / CS, CGPA / 9, 10th Percentage / 80, and 12th Percentage / 87. At the bottom of the profile section is a link "Upload New Resume:" followed by a "Choose File" button, the text "No file chosen", and a "Submit" button.

Fig 10.2 Student Sign in

This is Student Sign in where student can see her profile,courses. Sees Interviews and apply for the interviews.

TNP Cell | Home | About | Contact | Log Out

Profile | Interviews | Students

Enter details of the interview

Date of the Interview

Time

Type ☒ Placement ☐ Training

Number of Rounds

Resume Shortlisting: ☐

Hiring Branch
☐ Computer Science ☐ Electrical Engineering ☐ Mechanical Engineering

Minimum CGPA Criteria

Minimum 10th Standard Percentage

Minimum 12th Standard Percentage


Degree Requirements

© Developed as part of Database Project

Fig 10.3 Interview Details

In this TNP Cell manager fills the interview details like where is interview, time and date of the interview, which students can apply for this interview, what is the job designation etc.

Training and Placement Cell



Admin Login

Username

Log in

Fig 10.4 Admin login

This admin login page from here a admin can approves the company and interviews and fills the student information in database.

CHAPTER 9

FUTURE SCOPE

In a nutshell, it can be summarized that the future scope of the project circles around maintaining information regarding

- We can give more advance software for Training and Placement Management System including more facilities.
- We will host the platform on online serves to make it accessible worldwide
- Integrate multiple load balances to distribute the loads of the system.
- Create the master and slave database structure to reduce the overload of the database queries.
- Implement the backup mechanism for taking backup of code base and database on regular basis on different servers.

CHAPTER 10

CONCLUSION

Departmental website will helpful for all the students in college for getting the information about placement. Students in college are also able to know all the upcoming events take place in college. They also register their details by giving their details to the Admin. By visiting on this website all the students will able to know all companies visiting to our college.

CHAPTER 11

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