FINAL PROJECT REPORT ON

**“E-PLACEMENT MANAGEMENT SYSTEM”**

Submitted in fulfilment of the requirements

For the award of the degree

**BACHELOR OF TECHNOLOGY**

IN

**INFORMATION TECHNOLOGY**

**DEPARTMENT OF ENGINEERING & TECHNOLOGICAL STUDIES**

**UNIVERSITY OF KALYANI**

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This is to certify that

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*Date:- ……………………………. ……………………………………….*

*Place:- Kalyani (Apurba Saha)*

*……………………………………….*

*(Manik Biswas)*

*……………………………………….*

*(Sunai Biswas)*

***Abstract***

*The E- PLACEMENT is a web based application developed in windows platform for the placement department of the college in order to provide the details of its students in a database for the companies to their process of recruitment provided with a proper login. The system contains all the information about the students. The system stores all the personal information of the students and their technical skills that are required in the CV to be sent to a company. The system is an online application that can be accessed throughout the organization and outside as well with proper login provided. The system can used for college to manage the student information with regards to placement details .This project contains all the details of the students that can be viewed by all the users (read only), but can be modified only by the student with an authorized service. The students can update their own information only. Students can search for the material required for the selection process for placement papers. Events happening in the college and the achievements of the student’s i.e. selected students’ details can be viewed by all the users. So, our project provides a facility of maintaining the details of the students, and gets the requested list of candidates for the companies who would like to recruit the people based on a given query.*

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***I. OBJECTIVE***

The main objective of the placement management system is to reduce manual work and time. It is difficult and time-consuming to collect all the details from each student. To avoid this problem we have planned to develop a web-based placement management system.

* Easy to find out the list of eligible students attending the drives.
* It manages the details of student records, placement training, different placements happening in and out of the college.
* Saves the time of placement officer and faculties.
* Reduces the manual works.
* This system makes student information more secure

***II. INTRODUCTION***

What is the problems? Why do we need E-Placement Management System?

Manual Placement which is done at various colleges is by human intervention due to which there is a maximum chance of errors. The major problem is searching and updating of the student data. Placement officers have to manage the student’s profile and their documents. Placement Officer has to collect the information of various companies who comes for recruitment. They have to arrange profiles of students according to various streams and notify them each time according to company requirements. Placement officers submit the information of students and if any changes or updates are required in the profile of any student, it has to be done manually. This process is so difficult and tedious when the number of users increases. This is tedious and time consuming. Chances of missing data are also possible. It is also difficult for collecting, managing, and updating student data as the number of student’s increases. ’E-Placement Management System’ like many other placement management web sites, provides information on placement providers and the placements and also keeps up to date information of all students. It is a platform where students can view and assess their opportunities. The system will be having different types of accounts for different types of users such as Admin, Student, and Companies. A profile for each student is created with the necessary credentials for the portal. The system uses MySQL for database management and will sort the data of the student based on eligibility criteria demanded by the respective companies and a list of eligible candidates will be prepared and they can choose if they are interested to attend that particular drive or test. Based on this a final data-set is created and the interested candidates will be registered automatically by the system. This way it reduces the work of college staff or faculty from the problems caused by human error and wastage of time doing all processes manually.

***III. SHORT DESCRIPTION***

Here is the short description of the homepage characteristics and contents are described one by one below:-

**LANDING PAGE**

* About Dets
* Courses
* Placement
* Home

Placement Section provides two types of registration

1. As Student's for searching the most suitable jobs for them.

2. As Companies for post their offers.

**NEW REGISTRATION FOR STUDENT’S PAGE**

* Personal details of the students
* University Registration details
* User ID and Password

ATER LOGING AS STUDENT

Students can search jobs according to their skills, location, working time etc.  
Students can directly apply for the eligible jobs according to them.

**NEW REGISTRATION FOR COMPANIES PAGE**

* Personal details of the company
* User ID and Password

AFTER LOGING AS COMPANY

Companies can post their jobs offer and also able to see all the past posted jobs offer (Expire jobs offers).

The companies can search and delete already posted jobs offer by them only.

**NEW REGISTRATION SUCCESSFULLY DONE MESSAGE PAGE FOR COMPANIES AS WELL AS STUDENTS**

* This page will pop up a dialog box which contain a message that you are successfully signup.
* Or if any error occurs during the registration it will pop up a dialog box which contain message like user ID is not available/password miss match or any mandatory details is not filled.

**ABOUT PAGE**

* Name of the University / Collage
* Address of the University / Collage
* Contact details of the University / Collage
* Social Media tags of the university / Collage
* It also contain the details of developer like name and contact detail

**STUDENT DASHBOARD PAGE**

Student’s dashboard will display all the details of that particular student

* Photo
* Personal details
* Administrative details
* Academic details.

***IV. FUNCTIONAL REQUIREMENTS***

Technologies used to develop this site are:-

Front end: HTML, CSS , JavaScript and Bootstrap.

* HTML: The HyperText Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style sheet (CSS) and scripting languages such as JavaScript. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.
* CSS: Cascading Style Sheets or CSS is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web alongside HTML and JavaScript.CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts.
* JavaScript:- JavaScript is a scripting language that enables you to create dynamically updating content, control multimedia, animate images, and pretty much everything else.
* 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.

Back end: PHP, MySQL and Jquery.

* PHP: Hypertext Preprocessor or PHP is a technology that allows software developers to create dynamically generated web pages, in HTML, XML, or other document types, as per client request. PHP is open source software.
* MySQL: MySql is a database, widely used for accessing querying, updating, and managing data in databases.

Software used

* XAMPP Serve
* VScode
* Any Browser

***IV. DATA FLOW DIAGRAM (LOGIN)***

[Enter user Name and Password]

Get Details

Error[Submit]

Validate Data

NoYes

Rejected

Accepted

***IV. DATA FLOW DIAGRAM (E-PLACEMENT )***

Start

Company

Student

Registration

Registration

*No* ***No*** *No*

Login

Login

*Yes Yes*

Search Student

Search job

Apply Job

Post Job

Manage Job

Manage Job

Apply Job Report

Profile Match

Message

Message

Profile Match

Manage Account

Manage Account

Like Job

Change password

Change Password

Logout

End

***V. FUTURE SCOPE***

* Placement Management System manages student information in the University/college with regard to placement.
* It improves existing system.
* It has the facility of maintaining the details of the student, thereby reducing the manual work.
* It will save time and energy which are spending in making reports and collecting data.
* Placement Management System can be accessed throughout the university/college with proper login provided.
* We can give more advance software for college website including more facilities.
* Implement the backup mechanism for taking backup of codebase and database on regular basis on different servers.

***V. CONCLUSION***

Maximum work goes manually in the present placement system which makes it take time to avail changes. This includes main problems like searching for the data of students and sorting them along with it. Also, updating student data is a cumbersome job and does not have a method to notify the student in time which makes the management of the placements very difficult. In the proposed system, all of these problems become automated. The registration of the student for an upcoming placement, the addition of a new user, notifying students, sharing information, the privacy of the student, etc. is all met. The admin validates the information and gives the student list based on the criteria required which otherwise would have been very difficult to manage.

***V. REFERENCES***

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Google for Problem Solving

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