

**A
Synopsis
Of
Project On
Campus Placement Automation
Submitted
In The Partial Fulfillment of
Bachelor of Technology**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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ABSTRACT

The project named — Campus Placement Automation (CPA) aims at providing job facilities and study material to academic Student. This automation out-turns collecting required student data necessary for registration in Campus Placement process and notifying eligible candidates about the important dates and other updates.

This Automation is accomplished through the medium of a Website and smart phone application. The front end of this system is built with Bootstrap.

Bootstrap is the most popular HTML, CSS and JS framework which scales the website and application with a single code base, from phones to tablets to desktops with CSS media queries. The back end of this system is built with JAVA. Java is a Server site programming language and is a robust and secure. MySQL is the most popular database system used with java for storing information categorically.

The Campus place automation system is developed as an attempt to take a record of company and students by restricting such a large database to that of a particular class of students or company. The System provides the facility of viewing both the personal and academic information of the student and company it can also search for eligible students and company and also insertion and deletion of records by the administrator. Eligible students will receive an email including the details of the company and also they will receive a sms on their registered mobile number in which the date-time and location will be provided.

INTRODUCTION

Campus Placements are organized in nearly all colleges by companies from various sectors for recruiting eligible applicants. Organization of placement drives stand in need of particular information of the applicants. This process is exercised manually which is chaotic for both students and the TPO. This project is to facilitate students in college to register and apply for jobs. The students can access this system easily. In the main page there are options for a new register, a registered student to directly login using username and password. In the registration form, the student need to submit required details related educational qualifications, professional skills and upload photo and resume. The College Placement faculty can register themselves by entering their details like employee id, subject and Position. The Companies register with their company name, Job title, No. of vacancy, Job profile, Criteria. The Admin of this system has the access to all the portal. He handles all login credentials. The admin can add, delete or edit information when need be. Communication between the College TPO, students , Company and Admin is made smooth through Read and Write Post option. Statistics of the previously placed students is provided to the students to acknowledge them about the companies approaching for campus placement.

Need:

The need of our project Campus Placement Automation are as:

- The main aim of developing this website was to reduce maximum chances of errors in manual work.
- Save time for the process.
- Also students get notified by the SMS instantly.
- Improve communication between students and teacher and companies.
- Provide prevention from fraud companies.
- Help student in finding study material.
- Provide secure environment for recruitment.

ABOUT PRESENT SYSTEM

In Various colleges, training and placement officers have to manage the students profile and documents of students for their training and placement manually.

Placement Officer have to collect the information of various companies who want to recruit students and notify students time to time about them.

Placement Officer have to arrange profiles of students according to various streams and notify them according to company requirements.

If any modifications or updates are required in the profile of any student, it has to be searched and done manually.

ABOUT THE PROJECT

This project is to facilitate students in college, company to register and communicate with Placement Office. The users can access easily to this and the data can be retrieved easily in no time. In the main page there are options for a new register, a registered student to directly login using username and password. In the student registration form, we can give personal details, educational qualifications, and professional skills and upload resume. The job details of the placed students will be provided by the administrator. The administrator plays an important role in our project. They provide approval of student registration and updating. In this project we create a search engine for administrator, who can search everything about the student and company. In this project we provide study material which can be uploaded by Admin. All colleges and companies verified by Admin. Online mock tests give students better understanding of the actual test to be conducted by the companies.

OBJECTIVES OF THE PROJECT

Computers and information technology has a major influence on the society and the society is becoming more and more dependent on technology. Going on is an era of simplifying almost all complicated works using computers. The last few years have witnessed a tremendous increase in the capabilities and use of computers. Manual processing makes the process slow and other problems such as inconsistency and ambiguity on operations. The proposed system intends user-friendly operations which may resolve ambiguity. By considering all this factors, the applications produced, which performs the social service simply and effectively.

SCOPE OF THE PROJECT

Our project has a big scope to do. We can store information of all the students. 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.

Module

Admin: The admin module will be used by the team of Campus Placement Automation project. The Admin of this system has the access to all the portal. He handles all login credentials. The admin can add, delete or edit information when need be.

Student: The student will be able to browse company job profiles, submit reviews and apply to profiles they like. This module will send automated messages to a student about the profiles they have applied to and automatic notifications will ensure no deadlines are missed. Student also get study material this system.

College: The college Placement faculty has the right to check student details if they find any information false so the edit it or delete. The College will be able to browse company job profiles, submit reviews.

Company: The recruiting company can use this to post job profiles, browse student credentials, shortlist students based on credentials and accept students for the recruitment process. They will post updates about the process through this system. They can also use this system to schedule individual meetings with a few students for further clarification.

System Configuration

Hardware Requirements:

In Hardware requirement we require all those components which will provide us the platform for the development of the project. The minimum hardware required for the development of this project is as follows-

Ram : minimum 2 GB

Hard disk : minimum 20 GB

Processor : Pentium 3

Internet Connection Broadband (high-speed) Internet connection with a speed of 4 Mbps or higher

These all are the minimum hardware requirement required for our project. We want to make our project to be used in any. Type of computer therefore we have taken minimum configuration to a large extent point 2 GB ram is used so that we can execute our project.

Software Requirements:

Environment : Web Application, Android

Front end : HTML, CSS, JS, etc

Back end : Java & JavaEE, MySQL, etc

SYSTEM ANALYSIS

FEASIBILITY STUDY

Feasibility Study is a preliminary study undertaken to determine and document a project's viability. The term feasibility study is also used to refer to the resulting document. These results of this study are used to make a decision whether to proceed with the project, or table it. If it indeed leads to a project being approved, it will — before the real work of the proposed project starts — be used to ascertain the likelihood of the project's success. It is an analysis of possible alternative solutions to a problem and a recommendation on the best alternative.

It, for example, can decide whether an order processing be carried out by a new system more efficiently than the previous one.

a. ECONOMIC FEASIBILITY:

The economic feasibility study evaluate the cost software development against the ultimate in come or benefits get from the developed system. There must be scope for profit after the success completion of the project.

b. TECHNICAL FEASIBILITY:

It is technically feasible to design the project as; the entire modules described in the modules description can be created using Front-End interaction HTML and back end database oracle.

Advantages of MYSQL

1. MYSQL is a large database and several functional programs.
2. MYSQL is a pure database software. In our project we maintain database, so we selected MYSQL
3. MYSQL is a open source data base.
4. MYSQL is highly secured software.
5. SQL is a unified non-procedural language.

c. OPERATIONAL FEASIBILITY

Operational feasibility study tests the operational scope of the software to be developed. The proposed software must have high operational feasibility. The usability will be high.

Feature

In this system student can see his/her profile and edit information enter by him/her. Student see visited companies and they can apply for job. Student can see placed student or Alumni. Student also get study material on this system. The college Placement faculty has the right to check student details if they find any information false so the edit it or delete. The Companies can view the list of student profile. The Companies can also search college and see their information. Communication between the College TPO, students , Company and Admin is made smooth through Read and Write Post option. The Admin of this system has the access to all the portal. He handles all login credentials. The admin can add, delete or edit information when need be.

CONCLUSION& FUTURE SCOPE

We can draw following conclusions from the system implementation for CPA:

1. Students can fill out registration forms at their ease from their respective desktop computer systems which relieves them from standing in long queues for submitting the forms.
2. Retrieving student data from database is easier than passing queries and formatting data in excel sheets.
- 3 Communication between the College TPO, students , Company and Admin is made smooth through Read and Write Post option.
4. Online mock tests give students better understanding of the actual test to be conducted by the companies.

Future Scope for extension in this project include IOS. As this system already consist of many features but still there can be some errors which can overcome in future

release. We also try to add personal chatting between user.

The project is easily extensible and can be improved by further incremental releases of the same. New modules can be easily added as it requires only an addition of a new package. Forum can be upgraded with new features.

Communication between company, College, admin and student can be increased by live chat options.

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