



Intelligent Placement Portal for Engineering Education

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Abstract: Intelligent Placement Portal For Engineering Education is aimed at developing a portal that will be beneficial for Students and Company and at the same time would ease the work of TPO. We have developed a Placement Portal that can be accessed throughout the organization with proper login provided. This system can be used as an application for the TPO of the college to manage the student information regarding placement. Students are provided Email Notifications and Suggestions. CV generation is an added feature provided by our System. Company can post jobs and students will be notified about posted jobs only after TPO's approval .

Keywords: CV generation, Email notification, Placement Portal, Placement System, Suggestions to students, TPO's (Training and Placement Officer's) approval

I. INTRODUCTION

In Intelligent Placement Portal For Engineering Education, TPO is the administrator and Students and Companies can register themselves. After registration, Students need to be approved by Department Coordinator. After Company gets registered, they need to get approved by TPO. Once they receive approval notification in the form of Email, they can log into the portal with their unique ID and password. Students can edit their profile, view News and Events posted by TPO. They can also view Job Notifications and Suggestions based on Company's criteria and Student's skill-set respectively. Companies can post jobs and if those jobs are approved by TPO, only then jobs will be displayed to Students.

II. LITERATURE SURVEY

A. Ediffy

2.1.1 Description

Ediffy¹ Enterprise Mobile App allows you to very conveniently send notifications to your students who have downloaded the App. Additionally, to cater to students who do not possess smartphones, we use the best SMS gateways and our opt-in model allows you safely communicate with your students on the DND list without revealing your number to them. We use the highest levels of security and safety when maintaining your data with us.

Customize message for hundreds of students using data and fields that are specific to them with one click. Immensely useful in sending announcements like results and attendance.

Ediffy helps Institutes manage activities such as placements, admissions, festivals and a whole lot more. Upload and share documents (circulars, notes etc.) directly with your

students via text message and let them view it on their Phone or PC.

Ediffy is designed as a tool that helps you handle communication challenges in multiple situations. Be it increasing visibility of in-house events at the institute or managing complex admissions and placement processes, it can handle it all. Alumni management, Festival/ Event Management and everyday admin communication all become simplified through Ediffy.

2.1.2 Pros

- Filters Student's data based on different categories.
- Provides SMS notification
- Generates CV

2.1.3 Cons

- It does not support email notification.
- Due to bad network it is also possible to get messages late.
- If TPO wants to mark a student as placed, then there is a DELETE button provided which permanently deletes student's record from the database.

2.1.4 How We Overcome Those Problems In Our Project

- Our project supports email notification.
- Deleting a student's data from database is not a solution for removal of placed student's record. Hence in our project we are providing flags to a student's record who is placed. Thus that student's data will also be present in database and his record will not be shown while filtering records.

B. MonsterCollege

2.2.1 Description

TheMonsterCollege² aims at providing the facility to automate and simplify the process of registration and list generation of eligible students for placement. This System provide facility to TPO to do all their work regarding Placement like Collecting Student Records, registering the Suitable Students, to check the number and percentage of placed & unplaced students, and important announcements to other departments.

Computer based information system are designed to improve existing system. Whatever the information, TPO has to pass to the student and he or she can inform online. Improve accuracy in result. It has user friendly interface having quick authenticated access to documents. It provides the facility of maintaining the details of the students. It will reduce the paper work and utilize the maximum capabilities of the Setup and organization as well as it will save time and money which are spending in making reports and collecting data. It can be accessed throughout the organization and outside as well, with proper login provided. This system can be used as an application for college to manage the student information with regards to placement.

In order to avoid above existing problem we have designed existing system as online Training and Placement system, so that whatever the information, TPO has to pass to the student and he or she can inform online. All the resume sent by the student can be maintained in the database. It will reduce the paper work and storage area. Save time & work load for TPC Staff and students. Avoid fake Entry. Only Eligible students get chance. Improve accuracy in result. It has user friendly interface having quick authenticated.

2.2.2 Pros

- Provides Email Notifications.

2.2.3 Cons

- Separate Login for TPO, student and company that can cause security issue. Since if we are mentioning these login on the pages which is visible to all. Someone may try to have an unauthorized access to TPO's account which is most confidential and that login ID can be misused.
- No filtering is provided.
- CV is not generated.

2.2.3 How We Overcome Those Problems In Our Project

- We are providing Single login From where TPO, Student and company can login. So that nobody knows from where TPO would be logging in to our website, thus making it a bit secured.
- We are providing Filtering of Student's Data.
- CV is generated in our website.
- Excel sheet of database can be created.

III. PROPOSED SYSTEM ARCHITECTURE

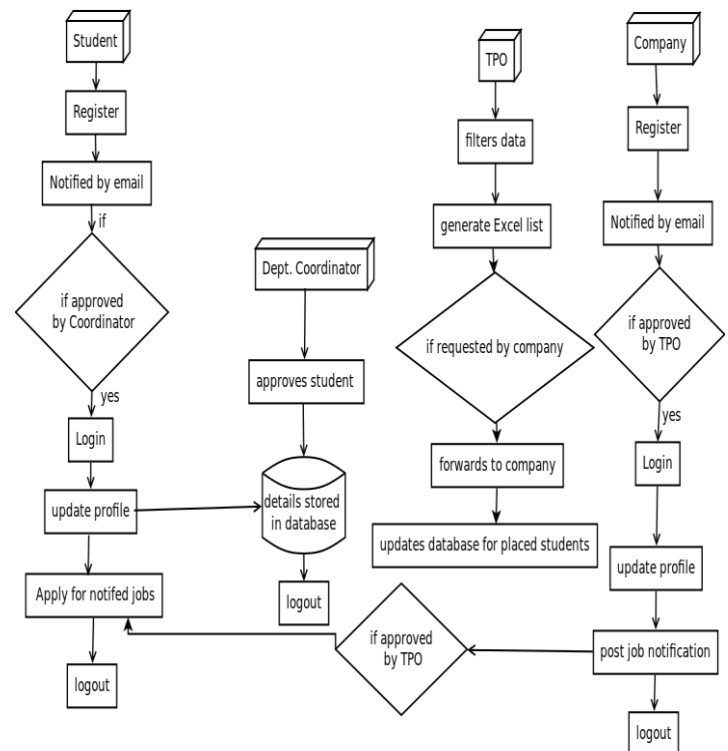


Figure 1: System Architecture

Figure 1 shows system architecture for our Placement Portal. In Intelligent Placement Portal for Engineering Education[1][2], there are four stakeholders – Student, Company, TPO, Dept. Coordinator. Students need to get approved by Dept. Coordinator after registration. Companies need to get approved by TPO after registration. Once they receive approval notification in the form of Email, they can log into our portal with their user-name and password. After login, Students can update their profile, view News and Events posted by TPO. Our system also generates CV for Students. Company is allowed to post jobs[3]. But all the jobs posted by Company are first approved by TPO. Students can view Job Notifications for only those jobs that are approved by TPO based on their eligibility Criteria[4]. Students can apply for posted jobs directly from our Placement Portal. Our system will also send suggestions to students. If Student has a skill-set but company is posting jobs for some other skill-set, then our system will send them suggestion regarding skill-set for which the Companies are posting jobs[5].

TPO can search Students based on Company's Eligibility Criteria. Based on this search, our system will generate an Excel Sheet of eligible Students. TPO can send this Excel Sheet to Company, if requested by Company. Our system allows TPO send Email to all Students of different department as well to individual Student. For Placed Students, TPO needs to mark a student as placed. Then those Students will be removed from Placement activity. However, their details will be present in database[6].

IV. TECHNOLOGIES USED

A. HTML5

HTML5 provides developers with new, meaningful ways to organize content. Using new tags such as <header>, <footer>, <article> and <section>, pages can be organized more relevantly.

B. CSS3

CSS3 is the latest evolution of the Cascading Style Sheets language and aims at extending CSS2.

C. PHP

PHP is one of the most popular server side scripting languages running today. It is used for creating dynamic webpages that interact with the user offering customized information. PHP offers many advantages; it is fast, stable, secure, easy to use and open source.

D. JAVASCRIPT

Javascript is one of the most simple, versatile and effective languages used to extend functionality in websites. Uses range from on screen visual effects to processing and calculating data on web pages with ease as well as extended functionality to websites using third party scripts among several other handy features.

E. JQUERY

jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers. With a combination of versatility and extensibility, jQuery has changed the way that millions of people write JavaScript.

F. AJAX

AJAX is an important front-end web technology that lets JavaScript communicate with a web server. It lets you load new content without leaving the current page, creating a better, faster experience for your web site's visitors. Ajax is all about ways to create a more interactive and productive connection between a user and a Web-based application.

V. PROJECT'S SNAPSHOTS

Figure 2: Student's HomePage

Figure 2 shows Student's Homepage which consists of tabs such as *News and Events*, *Update Profile* and *Notification*. It also consist of *my CV* button, which on clicking generates CV of student who is currently logged in.

HOME NEWS & EVENTS UPDATE PROFILE NOTIFICATION LOGOUT

CURRICULUM VITAE

khan nida
knida980@gmail.com
9967031001

Career Objective
To pursue a highly rewarding career, seeking for job in challenging and healthy work environment where i can utilize my skills and knowledge efficiently for organizational growth

Educational Qualification

Examination	Name of the Institution	%
Degree Aggregate	Kalsekar technical Campus	70
Degree 8 th Semester	Kalsekar technical Campus	70
Degree 7 th Semester	Kalsekar technical Campus	70
Diploma Aggregate	Kalsekar technical Campus	70

Key Skills
networking
Project Placement Portal

Personal Details

Name: khan nida
DOB: 12/1/1996
Nationality: Indian
About You: Student
Address: mumbai
Hobbies: Student

Declaration
I do hereby declare that the above given information is true and correct to the best of my knowledge.

Date : / / 2015
Place :

PRINT

Figure 3: Generated CV

Figure 3 shows CV that is generated on clicking the *my CV* button on Student's homepage. It also has print option.

HOME NEWS & EVENTS UPDATE PROFILE NOTIFICATION LOGOUT

Your Details

Full Name	Haji Saima		
DOB	2015-02-10		
Address	wadala		
About You	Student		
University Name	Mumbai university		
Institute Name	Kalsekar technical Campus		
Department	computer		
Batch	2014-2015		
Degree Sem 1 %	60	Degree Sem 2 %	60
Degree Sem 3 %	60	Degree Sem 4 %	60
Degree Sem 5 %	60	Degree Sem 6 %	60
Degree Sem 7 %	74	Degree Sem 8 %	80
Degree Aggregate %	72	Diploma Aggregate %	84
HSC %	0		
SSC %	86		
Key Skills	php		
Project Title	Placement Portal		

EDIT PROFILE MY CV

SEARCH STUDENTS

Please Choose Enter Search Term

SEARCH

Please Choose Option 1 Enter Search Term Please Choose Option 2 Enter Search Term

SEARCH

Figure 4: Searching Facility at TPO end

Figure 4 shows TPO's searching facility. It consist of single search as well as multi search.

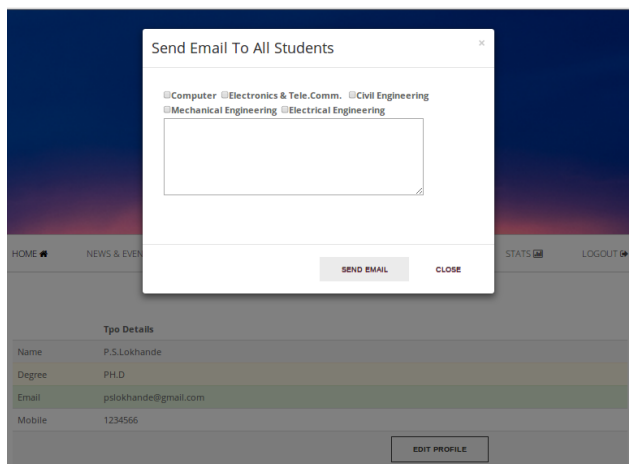
**Figure 5: TPO's Emailing Facility**

Figure 5 shows Emailing facility in which TPO can send email to students of different departments. It has got checkboxes options to select different departments.

VI. ADVANTAGES OF OUR SYSTEM**6.1 Advantages For Students**

- Email Notifications for Approval by Dept. Coordinator
- TPO approved jobs for Students
- Students can apply for posted jobs from our System
- CV generation from our System
- Suggestions based on Student's Skill-set

6.2 Advantages For TPO

- Search Students based on Company's Eligibility Criteria
- Excel Sheet Generation of eligible students
- Sending Email to individual Student and different departments through our system
- Management of Placed Students

VII. CONCLUSION

Today there are systems for handling students in placement activity, there exists emailing system, there are different ways of providing job notifications, but our system has integrated all those features and many additional features which makes it more dynamic and useful. Time overhead is reduced which occurred in previous system because one needs to switch to different websites for different activities. Data of all the students including that of placed students is handled by our system. Searching students based on eligibility criteria is made much simpler and faster. Also there is administered Job notification. All jobs are first approved by admin and then notified to students based on company's eligibility criteria. We also provide additional features like CV generation, viewing Statistics for placed student and generating Excel sheet of eligible students. We have implemented our project as per current requirement of placement activity. Our main objective was integration of important features and adding better features for reducing time overhead with simple user interface and faster results.

VIII. FUTURE SCOPE

- Notification can be provided through SMS

IX. ACKNOWLEDGEMENT

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X. REFERENCES

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WEB LINKS

- <https://www.ediffy.com>¹
- <https://www.monstercollege.in>²