

Digital Training and Placement

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Abstract— It is difficult for TPO/Staff to inform every student about the training and placement activities. A new notice will have to be displaying for every upcoming training activity for a visiting company. In this project, we implement a way to bring information to student about T&P Activity, Organization and Department level notices. We view this information by using android mobile phones. An SMS notification app only enables student who are registered. This app enforces security with the use of secrete information (Username & Password). With the help of this user friendly application, the students can easily check notifications regarding various training and placement activities. They can also view details about the company that will visiting the campus for the recruitment drive .The TPO can view, add, update and delete the profiles of students. It creates the eligibility list of students as per the company's criteria. Also, the TPO can easily pass messages to the students as well as the TPstaff. So with the help of this application, everyone can easily stay updated with the training and placement process.

Keywords: Android, Training, Placement TPO(Training & Placement Officer), SMS(Short Message Service), company, TP Staff (Training & Placement Staff)

I. INTRODUCTION

The training and placement activity in the college is one of the most important activity in the life of the student. Therefore it is very essential to make the process easy. So that the students would be able to get the information when required.

We are going to develop training and placement app to automate the activities of training and placement department of a college. Training and Placement department uses traditional manual methods to collect students' data, alumines data, uses notice board for announcing training and placement activities. This is very time consuming process.

So to help Training and Placement head, staff as well as students, it is necessary to automate these activities for better efficiency and saving time.

B.E student will remain always connected to Training and Placement department through this app.

All the important notifications regarding the T & P process would be provided by the application .The students would be able to update their data as and when required. The T & P staff would also add the tests.

The main aim of developing an Android application is that majority of the students now use android based phones .Also android based phones provide a very good interface and very easy to use. Thus a very user-friendly application has created.

II. PROPOSED METHODOLOGY

In comparison to present system, proposed system gives more easiness to the users .So that they can add and retrieve information quickly. Once the user opens this app all the schedule/events are available to him/her.



Fig. 1: DFD Level 0

The admin has an authority to add student and Parent to the system and provide valid username and password. The main user of the admin module is TPO of the college. Only those student will able to access the system, whose successfully allowed by the admin/TPO module. The various events related to the training and placement program is uploaded to the system.

The user can able to change their password by using change password field. Event option shows the event name, date of event, information about the event. After the completion of task user can logout successfully by clicking on logout field at the top menu bar.

Student module deals with information of student. Student who has approved by the admin to app successfully can only able to access the system with their valid user name and password. First, student should login by entering their user name and password. Student can able to update his information such as name, branch, year, aggregate marks, contact number, email, etc. The change password field is used by the student if he needs to change his password as same in the admin module.

After completing task successfully by click on the Logout, student can successfully logout from the system.

Parent who has approved by the admin to app successfully can only able to access the system with their valid user name and password. Parent can check the attendance, marks of the test of their child.

III. TECHNOLOGIES REQUIRED

A. HTML:

HTML is a hypertext markup language which is in reality a backbone of any website. Every website can't be structured without the knowledge of html. If we make our web page only with the help of html, than we can't add many of the effective features in a web page, for making a web page more effective we use various platforms such as CSS. So here we are using this language to make our web pages more effective as well as efficient. And to make our web pages dynamic we are using Java script.

B. CSS:

CSS Stands for "Cascading Style Sheet." Cascading style sheets are used to format the layout of Web pages. They can be used to define text styles, table sizes, and other aspects of Web pages that previously could only be defined in a page's HTML. The basic purpose of CSS is to separate the content of a web document (written in any markup language) from its presentation (that is written using Cascading Style Sheets). There are lots of benefits that one can extract through CSS like improved content accessibility, better flexibility and moreover, CSS gives a level of control over various

presentation characteristics of the document. It also helps in reducing the complexity and helps in saving overall presentation time. CSS gives the option of selecting various style schemes and rules according to the requirements and it also allows the same HTML document to be presented in more than one varying style.

C. *Java Script:*

JavaScript is considered to be one of the most famous scripting languages of all time. JavaScript, by definition, is a Scripting Language of the World Wide Web. JavaScript is to add various Web functionalities, Web form validations, browser detections, creation of cookies and so on. JavaScript is one of the most popular scripting languages and that is why it is supported by almost all web browsers available today like Firefox, We used the browser Opera or Internet Explorer. JavaScript is considered to be one of the most powerful scripting languages in use today. It is often used for the development of client-side web development. JavaScript is used to make web pages more interactive and dynamic. JavaScript is a light weight programming language and it is embedded directly into the HTML code. JavaScript, as the name suggests, was influenced by many languages, especially Java.

D. *MySQL:*

SQL stands for Structured Query Language. SQL lets us access and manipulate databases. SQL is an ANSI (American National Standards Institute) standard. SQL can execute queries against a database, retrieve data from a database, insert records in a database, update records in a database, delete records from a database, create new databases, create new tables in a database, create stored procedures in a database, create views in a database, set permissions on tables, procedures, and views.

E. *XAMPP:*

XAMPP is a free and open-source cross platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, Maria DB database, and interpreters for scripts written in the PHP and Perl programming languages. Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server possible. XAMPP's ease of deployment means a WAMP or LAMP stack can be installed quickly and simply on an operating system by a developer, with the advantage a number of common add-in applications such as Wordpress and Joomla! Can also be installed with similar ease using Bitnami.

F. *Android:*

Android is a mobile operating system, based on Linux kernel. Android's user interface is mainly based on direct manipulation, using touch gestures that loosely correspond to real world actions, such as swiping, tapping and pinching, to manipulate on-screen objects, along with a virtual keyboard for text input.

IV. IMPLEMENTATION

A. *Admin Module:*

- 1) Login

- 2) Send messages
- 3) Add events in calendar
- 4) Give approval to students, parents, TP Staff.
- 5) Add assignments & online tests.

B. *Student Module:*

- 1) Registration
- 2) Login
- 3) Check notifications
- 4) Solve assignments & online tests
- 5) Read study materials

C. *Parent Module:*

- 1) Registration
- 2) Login
- 3) Check attendance & grade of his/her child.

V. CONCLUSION

Thus hereby we conclude that the proposed system removes all the drawbacks of existing system and enhance with notification. The proposed system gives the automation in all the processes like registration, updating. It provides the detailed solution to the existing system problem. The analysis of placed students recruited by the company make available in this app. Though, this project provides a better way for the training and placement department. Some more additional features can be added for the betterment of the application in future.