Current Trend of Placement Activity Control System in the College

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Abstract—*This paper is about a technology that provides Placement Activity Control System in college unlike the traditional system where students as well as TPO may face many problems like insufficient details, less security, problems with manual working etc. The purpose of the Placement Activity Control System Website is to overcome the disadvantages of traditional placement system. It enables the end users to read and apply for the company of their choice and get frequent updates regarding the placements from college TPO. There is no chance of missing the placement opportunity updates. The college placement officers will not have to get the separately collect information of every student. It will automatically be updated when the student registers. The project is basically a website and application which can be easily accessed through mobile.*

Keywords—*React, Control System, Firebase, React-Native, Task Scheduling, Job Posting, Authorization, File System, File updation and Security.*

I. INTRODUCTION

Nowadays importance is given to the wireless technology and effective system. Computers and technology have become part of our life for accessing almost everything we basically do. Life now is full of indispensable technological advancement and in this technological era it is very difficult for any organization to survive without technology. The World Wide Web contributes enormously to the creation of an ever-increasing global information database. It could also be used as a system to share information within an enterprise. [1]

Placement Activity Control System helps the training and placement officers to overcome the difficulty in keeping records of hundreds and thousands of students and searching the eligible students for recruitment, based on various eligibility criteria of different companies. It helps in effective and efficient utilization of the hardware and the software resources. [2]

The students will create their account and then enter their details which will be approved by TPO or MENTOR or HOD. Once approved, the students will get notified on every updates from TPO. They can also change their password and details if necessary in future. This gives

quick visual confirmation of security and guarantees that redundancy will not be allowed, in fact, what was intended. Student recruitment should be recognized as a key component in the sustainability and success of an institution and must be a prime responsibility of an institution's strategic plan. Equipping the Training and placement office to recruit the qualified students and the right number of students is critical to the long-term sustainability of an institution, and IT plays an important role. [3]

Students should use the fair in order to grab the opportunity understand what companies are looking for in candidates and what skills are vital for their future roles. Career/Job Fairs are a valuable opportunity to hone networking skills and gain practice in articulating their value to a prospective employer.

II. LITERATURE SURVEY

This system allows access and effective use of the organization using a proper login. This allows the placement officer in the college to manage information about placement. Here, students with access can add their

information and can use it as a resume. One-time registration is only required. [1]

Each and every process in the existing system is carried out manually. The college training and placement officer had to refer all the records of previous years for even minor details. This used to be tedious and more time consuming than it sounds. It becomes more difficult when the number of students increase each passing year.

There are other limitations of existing system. In manual placement management system all the task is done by human interventions. Therefore there is maximum chance of errors. The files are not stored in hierarchical form. Thus searching for a particular becomes complex task. Updating certain information is difficult and ambiguous which may lead to data redundancy due to the chances of duplication of information. [4]

Not every students are aware of the placement updates by training and placement officer of the college, therefore they may lose an opportunity to grab a seat for job interview.

III.   METHODOLOGY

1. Admin

An admin is the person who can add and remove content in the website. They can change ideas about the website and bring improvements to the website.

The major function that the admin does is managing companies and has full access to their data and manage their department and companies where admin can add or remove these data.

2. Placement Officer

In each institution, a placement officer is provided who manages the requirements of the student, manages the companies, schedules interviews, notify the student about new companies and their interview dates and their vacancies and has full access of student's data.

The officer can schedule interviews, can know students' results and who applied to the companies list, view all students selected in the final round in companies. These officers are assigned by the admin.

3. Student

Students directly register themselves using the website registration by providing the correct information and college name and departments, to be selected, to avoid creating unnecessary databases by typing wrong names. Students have the information to see the vacancy in the company and apply for it.

They can see for what they applied for which company and see when the HR and company interview is scheduled. These are the information that the companies provide on the site. This allows the students to have direct contact with the companies.
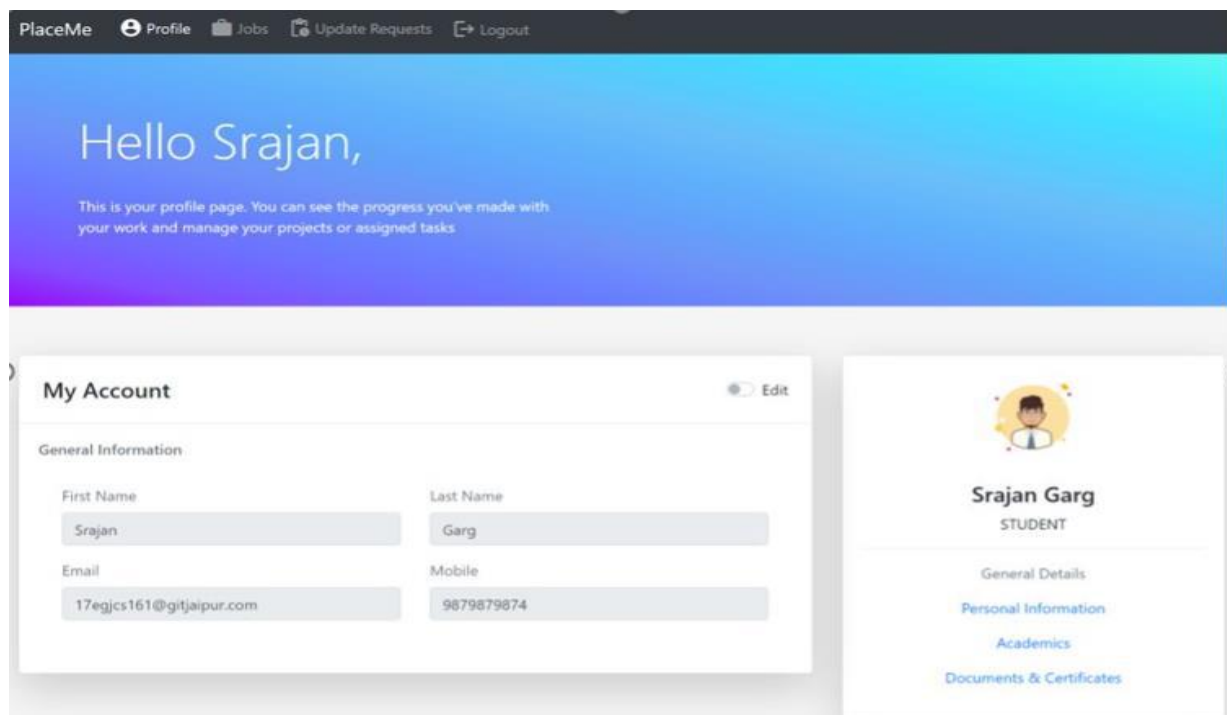

Fig.1: User Profile

IV. IMPLEMENTATION

The student needs to enter his or her information required in the registration page. The page allows the user to enter the login page of the user. This is done by using JavaScript and React Framework. The usage of HTML CSS along with Bootstrap to work register these data collected. To avoid the redundancy of the data Firebase can be used. This allows more faster and simple access of their data.

The few technology that are used in this application are JavaScript which is used in frontend as well as in backend they are better in computing purposes and simple to code even being the new mode of web page development in the system and there are chances that it might improve over the courses. This develops the webpage using the React.

HTML is used to design the site aesthetics and simplicity of the site using CSS[5]. Firebase is used as a database to the data stored in the site, JavaScript is linked between the front and the back end.

Place Me Android app is also created for student because now in today's world every college student have their own Android phone. So due to their convenience for accessing the system that android app is created. [6]

Hardware is an essential requirement in the development of the system in order to build the system. To do so a moderately good system is required. And software like Firebase, React, React-Native etc., to create this site and android application. [7]
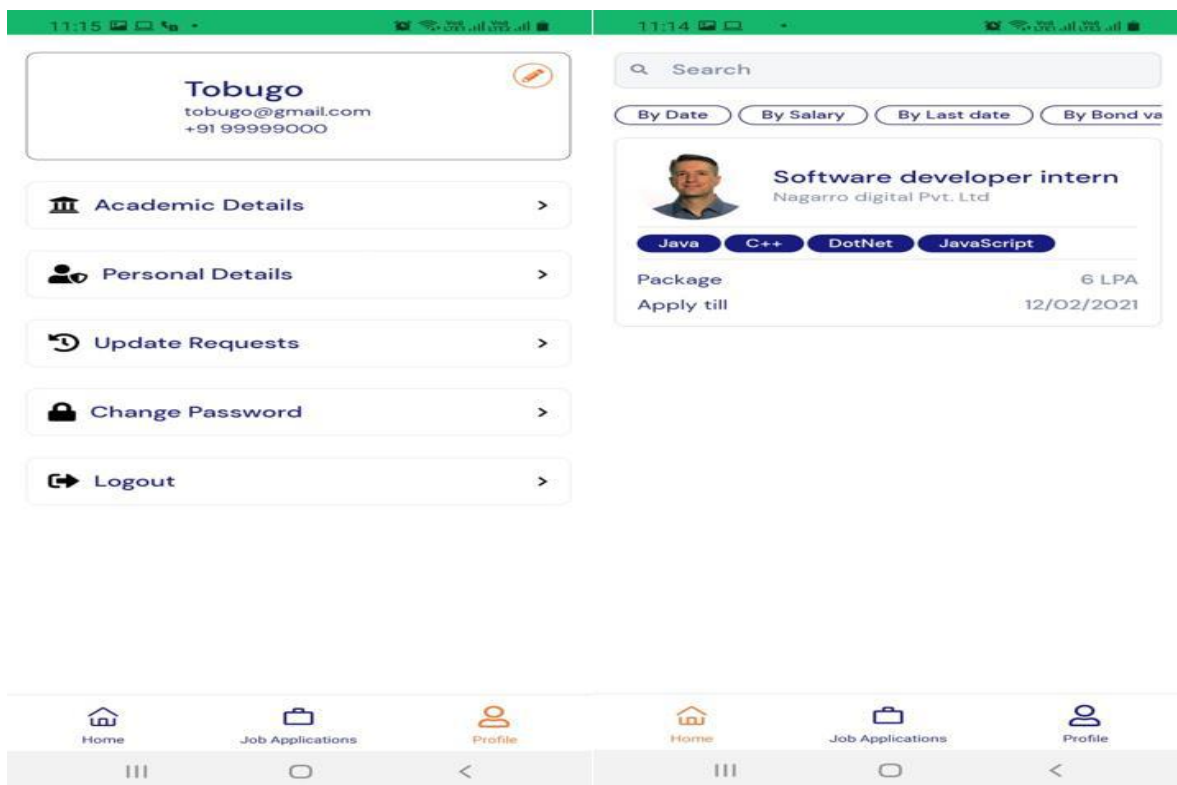

Fig.2: Profile setting and home page

V. RESULT AND CONCLUSION

Based on the research, even though it is an upcoming system, but with proper improvements to it, this process will get popular in the future. There are lots of procedures during a placement drive, but each section takes its own time.

During this period, students face a lot of stress as they must face the all the round and at last face the interview, that for some students might be tough to overcome, and hence not getting the job. The stress of the student is an important factor during a placement drive. This stress is also a large reason for unemployment of educated students.

Big Companies, during placement drive may have to be perfect to understand about how the candidate is. This is also a task because companies undergo trial and error for selection for their post. Even Though the candidate is job efficient, the integrity of the candidate is unknown. Here, the interaction between the companies and students becomes more crucial. More they understand each other,

the more the efficiency of the companies and students grows and hence the society.

The existing system works manually and there is no verification about the participant's data is done. Even in the interview process the contestants must attend with hard copies of their documents, this is time consuming and energy wastage.

A future for students with busy schedules, this project may be a time saver and become more helpful for the students and the companies together.

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