TnP Management Application

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ABSTRACT

TnP Management Application' 'is a campus information system. This will build on the placement procedure system currently used by the Colleges to store and retrieve student and company information. The aim of the project is to automate the training and mediation units. The project involved minimum manual work and maximum optimization. This is an Android application that helps students as well as university administrations and companies in one platform. This Android application can be accessed across the organization if the correct login is provided. The placement process system provides student information, including personal records and academic records, and company information, including company profiles that meet eligibility criteria. The College's TPO Training and Placement Officer maintains placement-related student information. Registered students should be able to fill out the registration form. The key feature of this project is that it is one time registration. The main feature of the program is that it is a one-time registration. The app provides the ability to keep all student records. It will also provide the requested shortlist of candidates based on company criteria. Additionally, it will provide fast-track procedures for placement-related activities.

Keyword : *Firebase, Android Studio , Kotlin.*

1.INTRODUCTION

The system allows students to access all materials published by different departments. Recruiters have access to student details. For the purpose of cultivating and placing students. The use of the Internet and the World Wide Web has revolutionized the provision of information and the ability of users to act on the information received. Online placement system plays a very important role in colleges. It is designed to help automate and simplify the registration process and create lists of eligible students. The system performs all placement-related work such as collecting student data, verifying and activating student profiles, and notifying specific companies of eligible students. Students enter college for a better education and better future prospects. Mediation plays a big role. Track manual entries and transactions in existing systems. In addition, there are many administrative difficulties A large number of folders will be preserved. The Training and Placement Officer (TPO) must gather information on each company willing to employ the student and notify the student of any necessary updates. Managing, updating and notifying specific business needs of specific students is time consuming.

2.EXISTING SYSTEM

It causes many problems in existing systems. The biggest problem with existing systems is manpower: In existing systems, all work is done through human intervention. Humans should do all the work. Errors: Errors are most likely due to human intervention. Largest Human Interface: Largest interface between students and administrators. Time Consuming: Due to the above-mentioned issues, every process becomes time consuming. File system: records are stored in modified access tables, so there are ordering issues.

Non-hierarchical: The file is not saved in a hierarchical format, so there are search issues.

Update history: Due to above issue, updates are very difficult and ambiguous.

Duplicated files: Duplicating records is common due to the issues above, so the date Redundancy Reduced vigilance: Students may miss out on opportunities by not receiving information about apprenticeship and traineeship activities.

3.LITERATURE SURVEY

1.A novel fuzzy logic-based controller for measuring The Effectiveness of Mediation Training by Siddalingesh S. Naval-gund Abstract: It is well known that internships are crucial in a graduate's career. demand for high quality Science Performance Spending Requires Student Devices Possess the necessary skills for the industry. these paper documents About support at SDMCET-Dharwad Students intern on campus. This paper also considers a unique method based on fuzzy logic to measure effectiveness Exercises on different dimensions, programs Progress, quality of content covered, and interaction with students. This Fuzzy controller adopts Mamdani and Sugeno reasoning method engine. Design and Simulate with MATLAB and Simulink software.

2.Learning sensor placement from demonstration for UAV Web Authors: Asia Benbihi Matthew Guest; C´edric Pradalier. This work shows how previous networks Expert demonstration of drone deployment to automatically place drones In the civil application for replacement. Optimal drone placement is NP-complete Problem: It requires a closed utility function that defines the environment. environment and drone constraints, it is ambiguous and needs to be defined for each new drone mission. This complex and time-consuming process It hinders the development of drone networks in the civilian field. Us Propose a method that leverages previous network expert solutions Deploy a network of drones knowing that experts are invaluable Form only a demonstration. this may be particularly interesting It is difficult for an inspection expert to express his expertise in this form work because it's too complicated. Once learned, our model generates a useful model function whose maximum value is consistent with the position of the expert UAV. we are testing Wi-Fi drone. Web Approaches in Crowd Simulators and achieve a similar quality of service expert. The program is not limited to this drone.

4.PROPOSED SYSTEM

The proposed system has the following applications:

Solve problems/crises in real-time while reducing workload on both the student and company side. Transparency, better information, better data entry and highly filtered data are some of the advantages of the platform. In addition, the number of hours required to enter or modify data is reduced, increasing task efficiency as there is no intervention by professors, students, and coordinators. Furthermore, it is tailored specifically to the needs of apprenticeship and traineeship boards, and there is little market research on students to benefit both groups. Tasks of the Training and Internship Committee. There is no longer any need to enter student data into the system as the data in the registration form is automatically stored in the database. It is possible and easy to send exclusive notifications via SMS and email.

Online Registration:

Traditional Registration Manually by submitting a registration form to students. However, this is too Complicated and wrong. So the main thing is Prerequisite is auto-registration through online enrollment of students itself.

Administrator Security:

Files storing data are stored in Access file tables, and each department category is also separated; therefore, anyone with access to the computer can access document. These documents may be "confidential So there are special security requirements.

Sector Data Hierarchy:

As Already mentioned the class data for each Departments are kept individually which is time- consuming to find and duplication may occur. So a centralized hierarchy is needed.

Immediately notify students:

The only way to notify is the blackboard newspaper, which is unreliable. To solve this problem Notifications can be sent via email and SMS.

5.TECHNOLOGY USED

1. Firebase as Backend.

2. Kotlin as Programming Language.

3. Android Studio as an IDE.

4. XML as Frontend.

6.SYSTEM ARCHITECTURE

The training and placement management system is divided into 3 modules

 - Students : Students should always be logged in View and update configuration files and view A student can also see his or her Draw from previous applications.
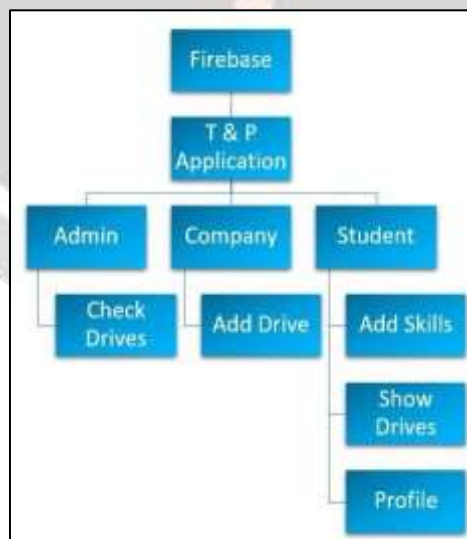

Fig. 1.1 Application Flowchart

-Admin - Management has the most power over the system. Administrators can issue Student and company registration permits. Admins are responsible for uploading and update drivers and students.

-Company-The Administration of Dashboard and track his riding progress. Training management and mediation group, and in accordance with any schedule. The team also has access to student profile. they are responsible Deploy and update student profile.

7. Tools and Technique
 Hardware Interface
• Processor: Intel core 5
• Ram size: 8GB
• Hard disk capacity : 500 GB
• Monitor type : 15 Inch shading screen
 Software Interface
• IDE: Android Studio
• Language : Kotlin.

8.Modules
Student Module
In the student module, students should come Fill out the registration form in the system. A table with details such as name, USN, course, etc. Email, mobile number and password. Once the student completes the link to activate the registered account, it will be sent to the student's email address to activate their account.Once students activate their accounts, they can sign up. The system fills in the user name password and academic registration form. The application form then contains details like personal data and educational data. According to the student registration form. The application form should be downloaded and transferred to drop. This is the main feature of this project.
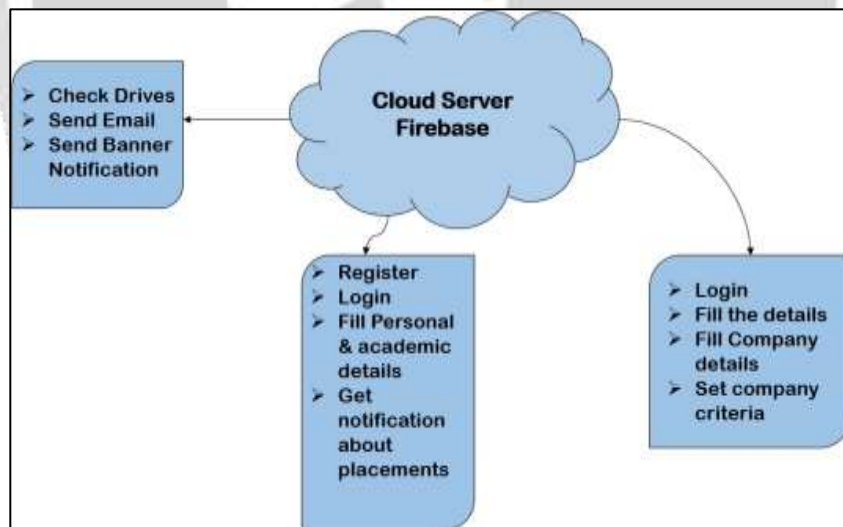

Fig 1.2 Cloud Server Firebase

Company Module
In this company module company first of all have to register themselves, then Company can add drives with all the information regarding company profile and eligibility criteria for the student along with drive details. Training and Placement Officers may also register Company area with username and password. The company area contains all information about the company grooming. Agents can add new A visitor enters a company name into a

database. TPO can assign, company, company attribution is nothing more than what year Access what are company standards and more. students should be depicted and there is no other way to portray students If the student is placed with a company. Which company the student works for. TPO can manage all information of the company, add HR details like name, mobile number, employee level, email, company name, etc. in this section. TPO can also manage TPO details from other universities.in this section The TPO may also maintain information from other universities TPO details. In this section, TPO has the opportunity to maintain ongoing seminar or training details held at the university.

Admin Module

The training and placement officer is administrators in the system. admin participation important role in the project. management log into this module. Using username and password, Once they log in, they will be redirected to the dashboard There he can get all the details of each student Various programs and departments. This These admins can add newly added courses, departments and new batches. Admins can also view a full list of courses, departments and batches. Administrators can filter. They teach students according to their needs. Where are the search options like admin can search students by name, mobile number, USN, email and registration ID. Administrators can also send bulk SMS and e-mail.

9.RESULTS
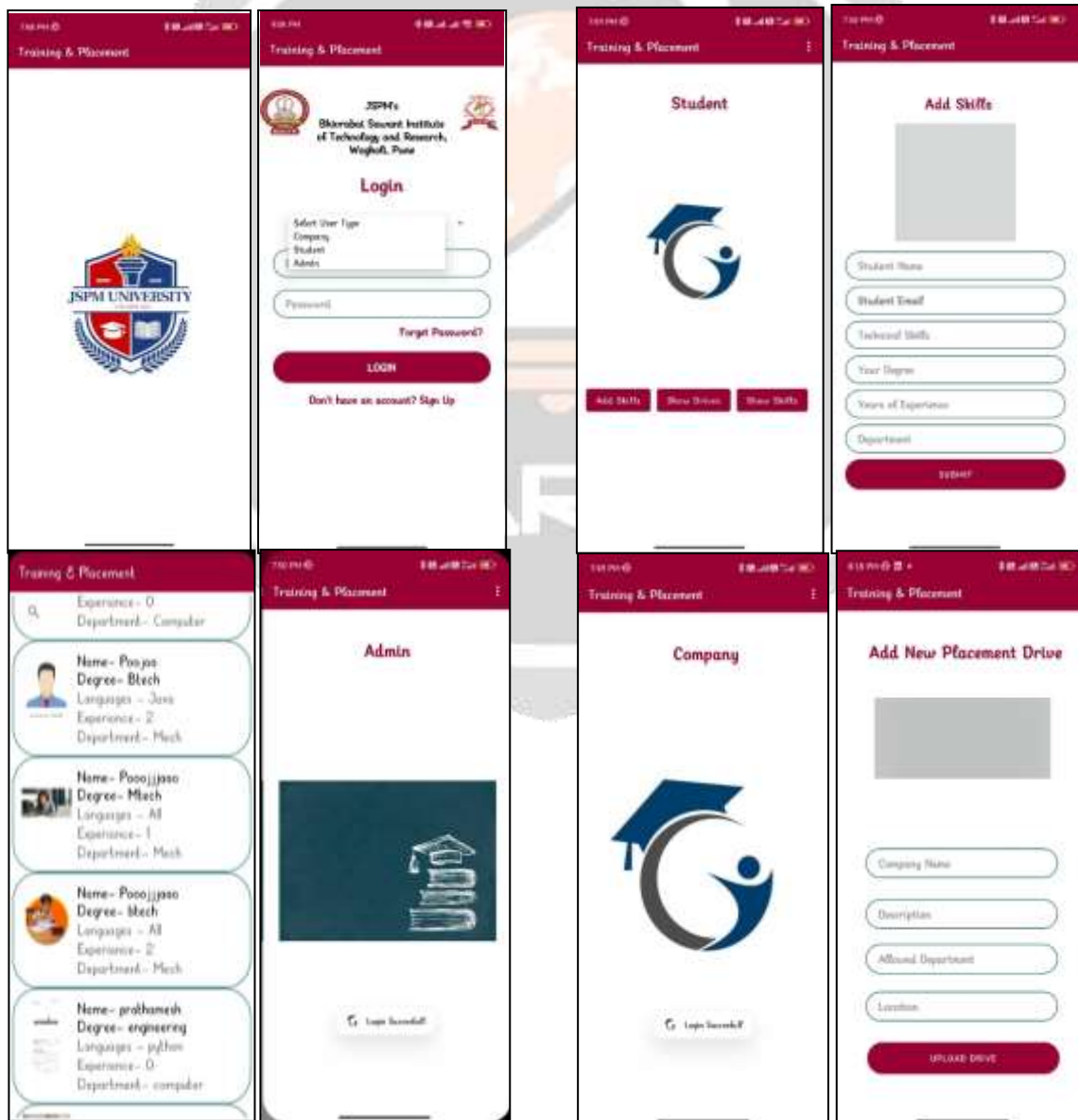
10.ACKNOWLEDGEMENT

11.CONCLUSION

Existing systems will do most of the work Do it manually as it takes more time System changes. The main problem is This existing system is the notifier available is not available to provide information about student expectations bulletin board or round. The proposed system is live Training Placement Management System Automate all processes Campus recruitment, search for student details Individually. The system aims to create Single digital platform for management Ongoing mediation activities, automated Main process, various data analysis Level and secure data transmission. The system can be connected to SMS in the future server so that it can notify the message Students serve start-up companies through SMS. As General API will be developed in Future work is used by third-party applications, which can be used efficiently and conveniently by third-party applications, and can expand the scope and capabilities of the system. It is also expected to use various techniques and algorithms to deepen the analysis.

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