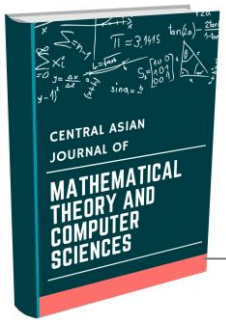

CENTRAL ASIAN JOURNAL OF MATHEMATICAL THEORY AND COMPUTER SCIENCES

http://cajmtcs.centralasianstudies.org/index.php/CAJMTCS

Volume: 03 Issue: 04 | Apr 2022 ISSN: 2660-5309

Training and Placement App Using Android Application

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Annotation:

The preparation and Placement App is a significant piece of any instructive organisation, where the greater part of the work till now is being done physically. The TPO (Training and Placement Officer) needs to advise thousands regarding understudies about each movement. In this way, to accomplish that computerisation, we fostered an Android structure. This application can help the arrangement officials to give the subtleties of impending organisations, and the subtleties will be put away in drives. When the enrollment interaction is finished, a rundown of set understudies will be transferred to the application by the director. It would be simple for the understudies to see the subtleties of those selected. The number of understudies put in an organisation can be seen by understudies when required. Assuming any progressions are required to have been created organiser can send a solicitation to the director. This undertaking will be useful in quicker the board the arrangement related exercises on the school grounds. Moreover, we are executing SMS warnings.

ARTICLEINFO

Article history:

Received 20 Feb 2022

Revised form 16 Mar 2022

Accepted 9 Apr 2022

Key words: Training and Placement Officer, SMS notifications, Android Application, Training and Placement App.

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Introduction:

The utilisation of cell phones, the web and the World Wide Web assists the client with acquiring data on a specific activity [6-11]. The web assists the client with dealing with the arrangement cycle [12-21]. The prior framework was not mechanised. All of the trades in the past structure are made genuinely by keeping a record [23]. The game plan official will put resources into a valuable chance to assemble and uphold all the student nuances. There could be no suitable correspondence between the students and the position official [24]. So, with the help of this application, the students can talk with the position official without a very

remarkable stretch. The arrangement and position cell accept a huge part in chipping away at students' overall show [25-32]. The essential objective of the planning and course of action office is to manage the nuances of the circumstance, student nuances, everyday educational nuances of the students, and their specific capacities [33-37]. Whenever the nuances are taken care of in the informational collection, it would be basic for the readiness and position official to divert the students considering the guidelines of the grounds drive [38-45]. The head manages the overall plan of the arrangement and circumstance official. The undertaking "Planning AND PLACEMENT CELL" is an android application that can be gotten to by the student all through the relationship with the fitting login given [46-53]. Moreover, this application can be used by the planning and position official to stay aware of all of the records of the students and the activities associated with the readiness and course of action cell [54-59].

Literature Review

Godiwala, Bhumi, et al. [1] portray taking care of the models by the TPO, and the framework will produce and send a programmed email to qualified understudies. Additionally, the paper depicts the most common way of taking care of data about forthcoming organisations by the TPO and dynamic notice age by the framework. It goes about as an accommodating instrument for the TPO to channel and perform an examination of the selected understudies for the enlistment drive. The significant downside is it gives no materials in regards to Training Sessions [60-67].

K.Anand et al. [2] portray a few stages, for example, keeping up with the organisation detail sand because of the organisation's prerequisites and making the rundown of understudies branch wise, which is a more mind-boggling task [68-71]. When the understudies enter their intellectual and individual subtleties, every one of the subtleties will be put away in the information base. It gives the general data in regards to positions.

J.Swathi et al. [3] depict the answer for the issue in a current manual framework. The proposed framework incorporates the cycles like enrollment, refreshing, and looking through the understudy information [72-88]. There are mostly two clients: The preparation and arrangement official (TPO) and the understudy. The administrator is the expert client. The administrator has a larger number of needs than different clients [89]. Understudies can enlist and view or alter their intellectual or individual subtleties. The director will likewise refresh a rundown of set understudies [90-95].

Suraj Trimukhe [4] portrays the answer to the issue in a current manual framework. The serious issue in the current manual framework is Insecure Authentication, and understudies couldn't refresh subtleties alone [96-101]. It is accessible as an online application. The proposed framework gives highlights like if understudies are qualified for the organisation, the understudy can straightforwardly apply for the organisation by tapping on the apply button [102]. A robotised email framework is given to illuminate the understudy, and it creates different diagrams for the number of understudies who get set [103-115].

Tang Yu-Fang et al. [5] go about as an accommodating device for the TPO to channel and play out an investigation of the enlisted understudies for the enrollment drive. The administrator has additionally given clients accreditations to login [116-134]. The proposed framework gives computerisation in every one of the cycles like enrollment, refreshing, and looking through the understudy information. Likewise, on the off chance that understudies are qualified for the organisation, the understudy can straightforwardly apply for the organisation by just tapping on the apply button [135-144].

Existing System:

The training and placement cell relies on the traditional systems involving paperwork and manpower [145-153]. Thus, maintaining the database and thereby analysing it for future reference makes it a tedious task when it needs to be done manually [154-161]. The major problem in the existing manual system is insecure authentication and searching and updating the student data [162]. This application is available as a web-based application, which is overcome by our proposed system of Android applications, which allows the

portability features for the user. There is no SMS alert notification in the Existing system to the user [163-171].

Proposed System:

This project aims to develop an Android application for the training and placement of cell management systems [172-179].The features included in the proposed system are: It provides an easy way for the TPO to upload information and update the details in the database. Students can create an account and update their information on their own [180-183]. Avoid fake entry as the application also provides security and authentication forunauthorised users to use this application. Admin could post the study materials (i.e. materials relevant to training classes)directly into this application. Students can download the training material according to their branch, which is useful for their placement. The system provides SMS integration for sending any notifications to the student. The administrator will upload the upcoming campus drive and campus details. Once the recruitment process is completed, the administrator will upload the final list of the placed students (figure 1).

Architecture Design

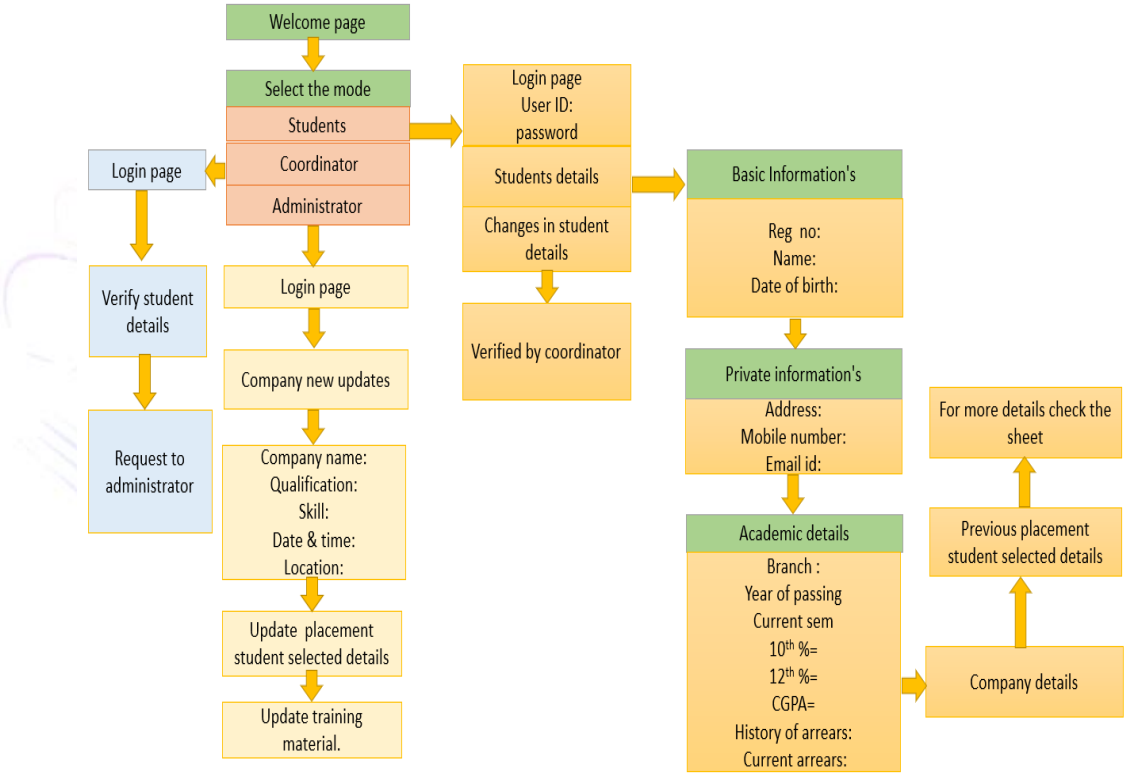


Figure 1: Architecture Design

Steps for Implementation

There are some steps to be followed as logging in and registration, Database Creation, Administrator, Information viewed by students

Login and Registration

We plan to create a login and information exchange screen in this module. We have two kinds of clients for login, position official and understudy. The enrollment page contains understudy scholastic and individual subtleties. When the understudy enters the subtleties, they will be put away in the data set.

Database Creation

The executive just has the option to get to the information base module. The chairman will transfer the data to the grounds drive.

Placement Officer

The situation official necessities to enter a legitimate id and secret phrase to get to the framework. The understudy can demand the position of official, assuming any progressions are expected in their intellectual and individual subtleties. The situation official will refresh the understudies' subtleties.

Module

In this module, understudies can see the data transferred by the executive in regards to the grounds drive and subtleties of the specific organisation (figures 2 to 11).

Modules

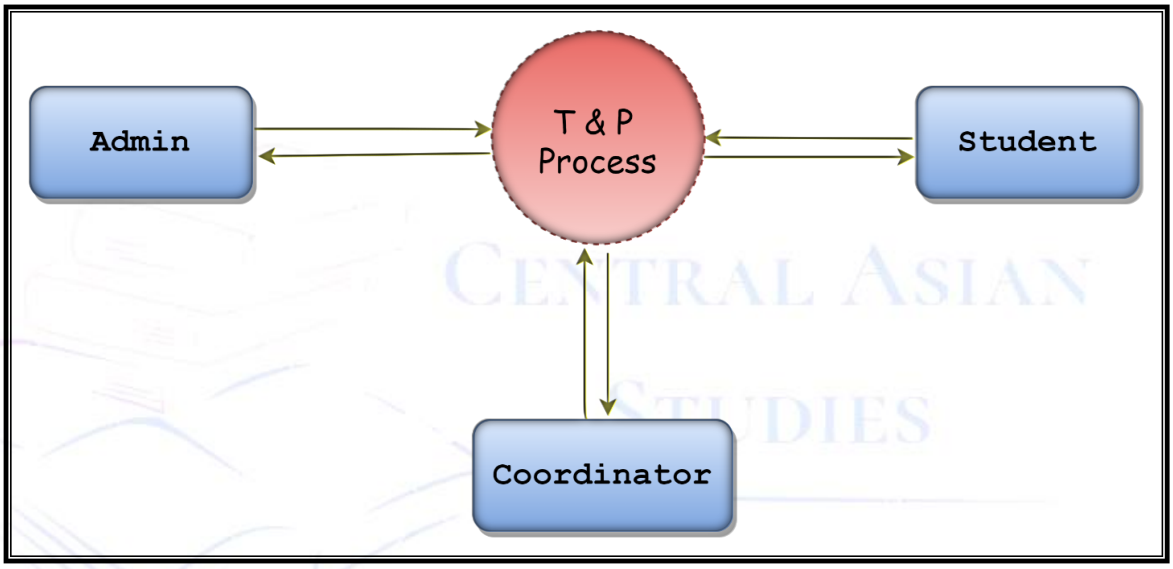


Figure 2: Modules

Student Module

- Student Module contains information about each placement that interests students.
- Students can log in to the app by clicking the login page and entering their academic and personal details like Name, Mobile Number, Date of Birth, and Email-Id. 10th, 12th and semester percentage details. Additional information includes the Number of standing arrears and the History of arrears, and all the details will be stored in the database.
- Once the students log in to can view the Training Materials and other Announcements.
- They can check the criteria for various companies. The student can check notifications regarding various training activities and the companies visiting the campus.

Coordinator Module

- Once the students register for the application, the respective student's details will be shown. The coordinator has to verify those details; only then the student gets access to use it.
- The coordinator can also view details about the campus drive and company details, and all other announcements made by the admin.

Administrator Module

- The placement Officer acts as an administrator who has complete control over this application.
- The admin only has the right to access the database.
- The admin can add, update and delete a coordinator and student.
- They can set the schedule for various training and placement activities.
- Can inform students about various companies visiting the college campus for recruitment by just pushing a notification.
- They can generate a list of eligible students for a particular company and provides a list of placed students.
- Admin posts the training materials and updates the placements and campus drive details.

Software Specification

There is Software Specifications are XML, JAVA, Windows 10, Android Studio, Google Cloud Messaging (GCM)

Hardware Specification

The hardware specifications are Intel CORE i5,8 GB RAM, 15" colour, and Hard Disk is 100 GB.

UML Diagram

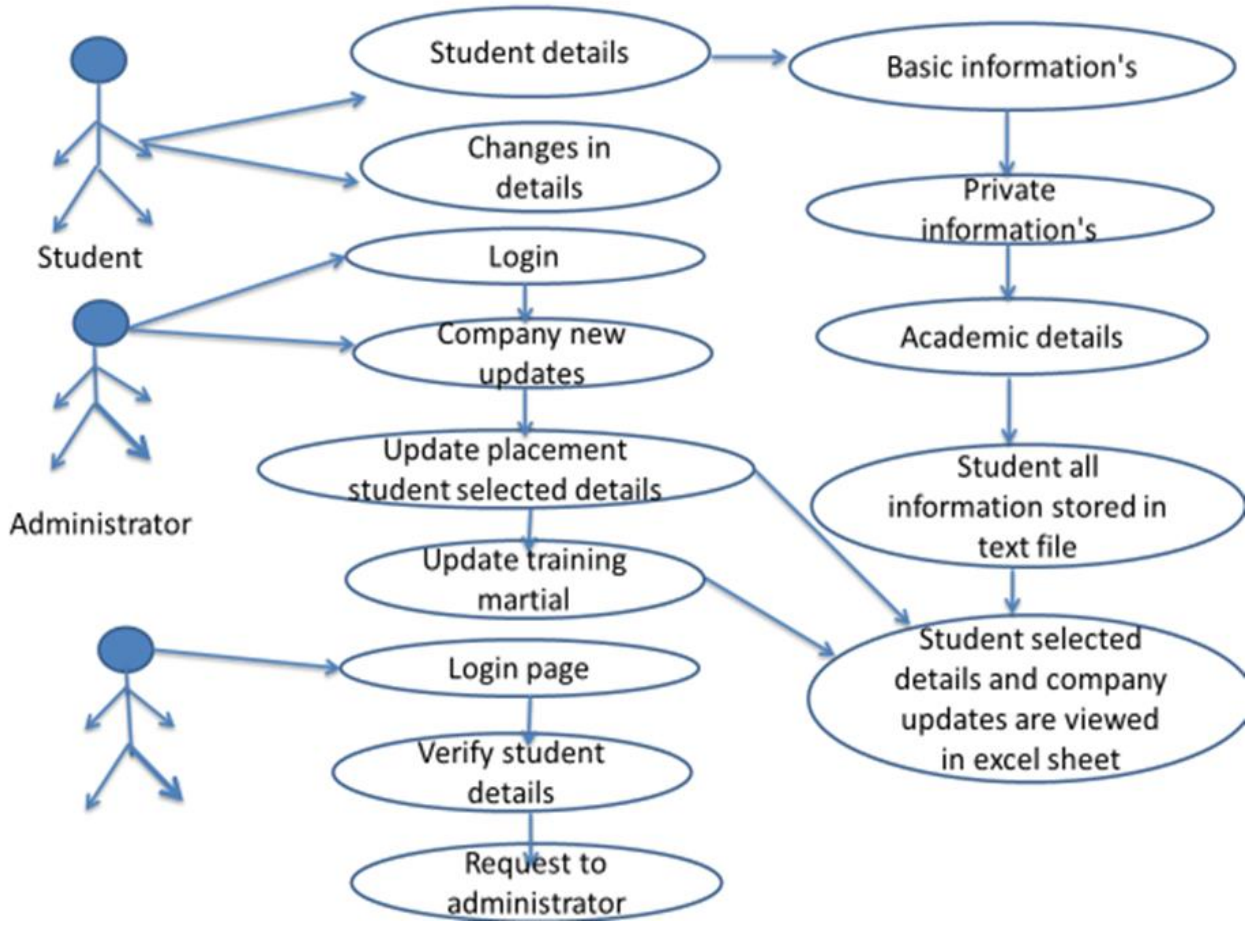


Figure 3: UML diagram

Screenshots and Description

Figure 4: Welcome Page

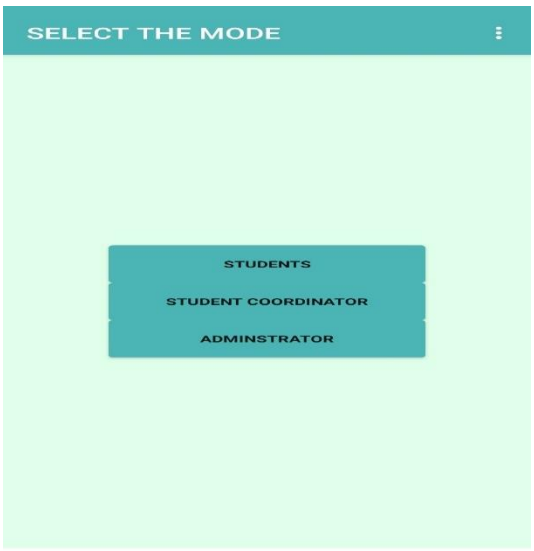


Figure 5: Home Page

On clicking registered user in mode selection page, it is redirected to the login page where user needs to enter his credentials to login and if the saveinfo box is checked the user info will saved and next time the user can login directly without adding credentials.

Figure 6: Login Page

On clicking new user in new user mode it is redirected to Students Details page where user needs to submit all their basic and academic details.

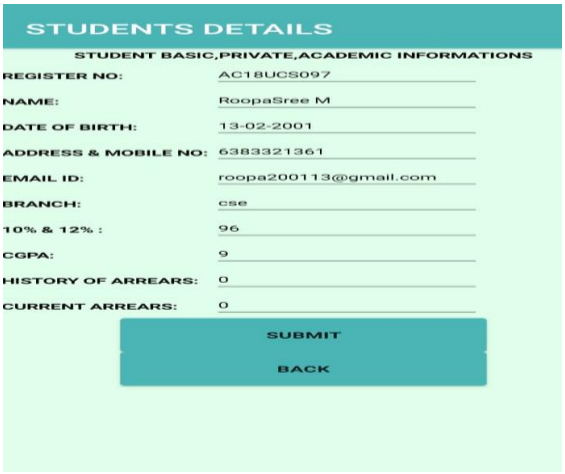


Figure 7: Student Details Page

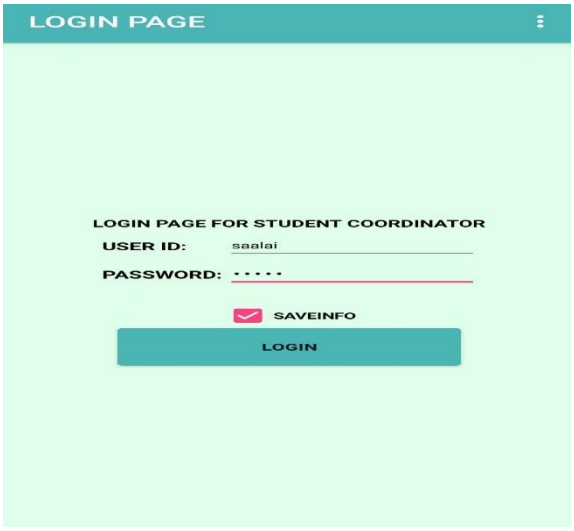


Figure 8: Coordinator login Page

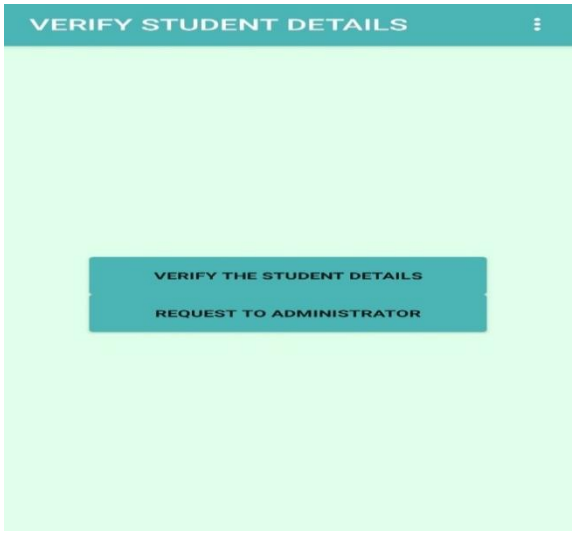
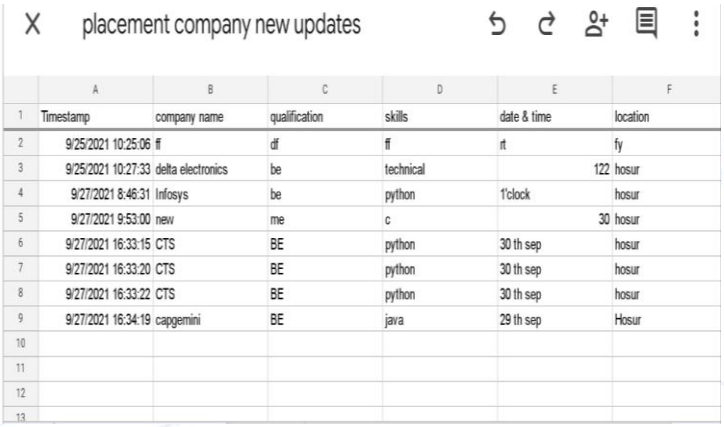


Figure 9: Verification Page



	A	B	C	D	E	F
1	Timestamp	company name	qualification	skills	date & time	location
2	9/25/2021 10:25:06	ff	df	ff	rt	fy
3	9/25/2021 10:27:33	delta electronics	be	technical	122	hosur
4	9/27/2021 8:46:31	Infosys	be	python	1'clock	hosur
5	9/27/2021 9:53:00	new	me	c	30	hosur
6	9/27/2021 16:33:15	CTS	BE	python	30 th sep	hosur
7	9/27/2021 16:33:20	CTS	BE	python	30 th sep	hosur
8	9/27/2021 16:33:22	CTS	BE	python	30 th sep	hosur
9	9/27/2021 16:34:19	capgemini	BE	java	29 th sep	Hosur
10						
11						
12						
13						

Figure 10: Company Details Page

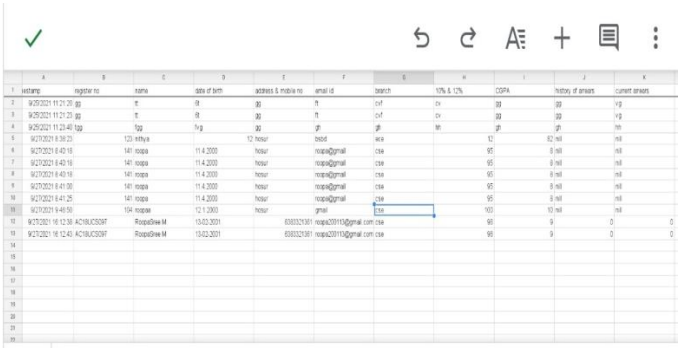


Figure 11: Students Details Page

Conclusion:

This application can help the position officials give the subtleties of forthcoming organisations, which will be put away in drives. When the enrollment interaction is finished, a rundown of set understudies will be transferred to the application by the executive. It would be simple for the understudies to see the subtleties of those enlisted. The number of understudies set in an organisation can be seen by understudies when required. On the off chance that any progressions are required to have been created facilitator can send a solicitation to

the chairman. This task will be useful in quicker the board of the situation related exercises on the school grounds. Likewise, we are carrying out SMS warnings.

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