SOFTWARE ENGINEERING CS301

SOPHISTICATION VALUE OF THE PROJECT

MIETEN-PLACEMENT CELL ANDROID APPLICATION

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SOPHISTICATION VALUE OF THE PROJECT

"Mieten" is basically an android application, which will enable students of NIIT University with features related to internships, campus placements, job recruitments related news, etcetera.

The app would have following features:

1.   Students can upload CV, look for available jobs and it's pre-requisites,apply for job, post question in FAQ section, polish their knowledge by going the the sample papers available in downloadable format, can view the list of jobs applied for and can view contact details of Plcaement cell.

2.   Admin can insert company details, view student's profile and notify them for any required information, view and answer questions answered in FAQ section, approve profile based on student's CV and profile completeness, etc.

So, this project is an attempt to overcome these drawbacks in NIIT University.

ANDROID APPLICATION APPROACH

Since everyone carries mobile nowadays, and find it very easy to access evrything through apps, we chose to build an app rather than a web application.

Also, since number of android users are very large compared to other users on other OS like IOS or windows, we chose to build our product on Android for the time being. It would increase our product's approachability.

For building app on android, we had to go through the complete learning process of first of all using it's IDE, Android Studio. Then learning the coding part and finally how to run that on mobile or emulator.

COMPATIBILITY ISSUE

Some basic needs to be kept in mind:

1. Requires minimum 2gb ram for smooth functionality of the app.
2. Minimum SDK version: Android 4.0.3 (Ice Cream Sandwich).

Major compatibility issue experienced while building the app was to test run the app on every possible android platforms, mobile screen sizes, change our layouts according to diferent screen pixels or resolutions defned, etc.

Our app would run only on Android, and since it has no existence on web in any form till now, so users not having android would not be able to use the features provided by our product, and thus ut would be no help to them as of now.

Other compatility issue faced was to use diferent versions of
Android Studio IDE on diferent CCs of the members of our Team Mieten. It took a great deal of time to sync the project to every C and maintain the version control using git.

APPLICABILITY OF THE PROJECT(USEFULNESS)

"Mieten" is aimed to increase the efficiency of Placement Cell
Committee of NIIT University, increase effective conduct of the Placement process and to overcome the problems of current management faced by both, students as well as the Placement Cell of NIIT University. One-click feature of the apps will reduce the paperwork, save a lot of time of students who have to visit the Placement Cell for small reasons at times.

Beneficial for placement cell because:

- The placement cell would get access to a centralized database of the students along with their aspirations and preferences. It would be easy for the placement cell to search for students matching a specific criteria from the student database.
- The job listings as provided by the placement cell would only be applied for by the students who match the pre specified job requirements like for eg) the minimum cgpa.
- "Mieten" would act as a medium of ensuring all the uploaded documents are up to order. The placement cell can directly notify the student if any particular document is not in order and request for an updated one for the same. All the uploaded documents would be stored at a centralized server for future reference and access.
- Currently there is no centralized platform for any interaction between the students and the placement cell. All the information is passed on through mass mails. Instead "Mieten" can be used to showcase all the placement statistics and list the companies appearing for placements.

Beneficial for students because:

- Currently the only line of communication between the students and the placement cell is through University Email or SMS.
- If Students need to check their interview results they have to wait fortheir emails or check the Facebook page of the placement cell.
- "Mieten" would solve the above two issues by providing a direct interface between the placement cell and the students wherein the students can check the status of their interview result or aptitude exam result.

- "Mieten©" would highlight the upcoming companies coming for jobinterviews based on the preferences filled by the student while using it for the first time.
- "Mieten©" would provide a platform for students to raise questions, view the most liked questions and also answer the questions asked by other students through the "Mieten©" community Forum.
- "Mieten©" would also provide sample papers and a question bank helping the student prepare for the interview which would be as suggested by the placement cell.