

Indian Institute of Information Technology, Vadodara

Software Engineering (CS301)

Feasibility Report for selected project topic

Group-8, Computer Science, IIIT Vadodara

TOPIC:

Location based assistant Android application

problems and solve them in most efficient and usable way.

SOFTWARE'S FEATURES:

PROBLEM STATEMENT:

In present day, so many peoples are using a smart-phone. In our day-to-day activities, we use to visit different places and accordingly we change our phones profile settings such as ringtone, brightness, wallpaper, data connection, Wi-Fi, volume etc. It happens most of the times that we forget to modify phones settings when we visit to some place and awkward things happens like ringing phone in class, silent phone in crowded market etc. Also, people often forget some activity to be done at particular place they visit, for example; to buy grocery while passing by a grocery store. One other problem we observed, in adventures trips most of the times we lose track of other teams or team members. Also, we fix meetups with people at various places outside home and office. We need to make several calls to confirm someones current location and for telling him our exact location. The common trend in all these problems solution is that they are location based. So, we finalized on designing an android based mobile which addresses each of the above mentioned

- Users can set as many customized profile setting as needed and map it to the location as per the requirement then the phone will automatically change to the user defined settings when he reached to that location.
- The customized profile settings will include ringtone, volume, vibrate mode, silent, brightness, data connection, wallpaper, Wi-Fi and screen password. The given settings availability may change if any technical issue do not allow an application to modify some settings.
- Users can set location based reminders. By doing this, user will be notified by push notification whenever he reaches that location.
- Users can share their current location to the other user of the same application who are in their contact list. This allows them to easily tell someone their location. Hence, the hassle of making several calls is gone.
- There is a feature to create group in the application and everyone can see each

others location. This feature will be useful while travelling in groups.

- Users can also make their location public, by doing this, anyone who is sharing their location to public will be visible.
- User have to send request to see someones location and if accepted by the other user then only one can see the location on the map.
- Google maps will be integrated to use maps and location based features.
- GPS will be used to get user location.

BENEFITS:

- No need to manually modify phones settings and profile when you visit different places throughout the day.
- There will be no problem in finding locations of someone who is waiting for you somewhere in market or unknown place.
- Easily track anyone if its urgent or needed.

TARGETED USER SEGMENT:

- Android users.
- People who visits different places in a day which require changing profile settings in phone.
- Frequent travellers.
- Those who needs to meet new people at new locations several times.
- People who are looking for such applications, it may become trend in mobile users.

TECHNICAL FEASIBILITY:

- There is no such application available which clubs these features to provide seamless user experience in terms of reducing users manual work.

- 90 % of the mobile phone user are using android OS on their systems. Thats why we choose developing android application first.
- Our team members are comfortable with android, backend, documentation, management and design. Thus, well utilize our resources best in order to deliver best possible software.
- The application will be compatible to run with android mobiles.

SOCIAL FEASIBILITY:

In today's world everyone is looking forward to make themselves more productive, less busy and hassle free. Such application's in a social person's life will help him/her to achieve that. It will increase users involvement in other important work by automating manual things. The other feature of location sharing will save them from hectic task of telling someone their location. Also, that feature will become popular because people now a days wants to be more social and share their life. We will make it safe and secure so that people's privacy will not be at risk.

ECONOMIC FEASIBILITY:

The application can be made economically viable once it becomes popular among android users. The app will show map to the users for some of it's features, therefore some locations can be popularized by making them visible on the map, it's kind of an ad on the map. This application will bring great attraction to the organization who builds and promote this application. The organization will have large number of active users and any content can be shown to a huge number of people that will make it popular. Thus, the project is economically viable and can create impact in the market.