K.J.Somaiya College of Science and Commerce Android Application

# Introduction:

This document lays out a project plan for the development of “MyKJSSC” an Android Application by Atharva Pradhan.

The reader of this document are current and future developers of “MyKJSSC” and sponsors of the project. The plan will include, but is not restricted to, the summary of the system functionality, the scope of the project from the perspective of the “MyKJSSC” team (me and/or my mentors), scheduling and delivery estimates, project risks and how those risks will be mitigated, the process by which I will develop the project, and metrics and measurements that will be recorded throughout the project.

# Synopsis :

Today technology has gone far enough and in this era of continuous updating technology and services there seems to awake a need of an android application which will solve the problems faced by students while surfing the website of college from mobile devices.

While surfing website through mobile devices students need to zoom in for selecting any menu and its sub-menu. While doing so they some times end up selecting the wrong menu and open another tab. The data that the students fetch from the site is little complex as compared to the designs of sites present now.

Making an Android Application will solve the problems of the students and will enable them to fetch the data that they want to have in an easier way as compared to the tradition way that they follow by going to the website.

This Android Application will not only help students in fetching data but will also help some faculties in posting some announcements , notices, timetables, etc. A special access will be given to some of the higher authorities ( Principle, Vice Principle, Dean, Examination Committee, HOD’s ) to post the information. Which will save their time too.

# End User:

Each and every student of KJSSC and Staff of KJSSC.

# Functionality:

* User should be able to login in through their existing SVV net ID accounts.
* They should be able to view Notices and Messages passed on by Authorities ( Principle, Vice Principle, Dean, Examination Committee, HOD’s ).
* No user should be able to edit his profile, but be able view profile of his colleagues.
* User should be able to “book a Book” or “Renew the existing book” taken from Library.

# Platform:

Will be launched as Android Application.

# Non-Functionalities:

* The application must not crash when multiple users access the same data at the same time.
* Must not consume excess memory and must be quick in fetching/loading of data.

# Risks:

### Identification:

Following risks are involved in the project:

* + - People are already using KJSSC site for viewing Notices, Results and Timetables. So why will they switch to Android Application, for what cause.

### Mitigation:

Even though they are using the website, it is difficult to surf it through mobile device. So, my application will provide them ease in fetching data in following ways.

1. One click and view direct content on device.
2. No need of zooming in for reading data, Standard readable text size provided.
3. Proper Organisation of data by Sub-grouping it.
4. No need of switching websites for renewal of library book and viewing website, all provided in Single Application.

This will create a considerable amount of difference between surfing the website through mobile and Android Application.

# Scheduling and Estimates:

|  |  |  |  |
| --- | --- | --- | --- |
| **Milestone** | **Description** | **Release Date** | **Release** |
|  |  |  | **Iteration** |
| M1 | Application view and Design | June 5, 2019 | R1 |
|  |  |  |  |
| M2 | Database for my application | June 25, 2019 | R1 |
|  |  |  |  |
| M3 | Integrating views and designs | July 15, 2019 | R1 |
|  | (Integrating M1 and |  |  |
|  | M2) |  |  |
| M4 | Testing for initial release | July 30, 2019 | R2 |
| M5 | Issue tracker, user reviews | August 15, 2019 | R2 |
|  |  |  |  |
| M6 | Final release | September 3, 2019 | R2 |

# Languages Used:

Database : SQL.

Android : Java on Android SDK or Kotlin.

# Entity Relationship Diagram:

