**Project Plan: ( Library App )**

**Written by: ( Naveen Thella)**

1 Introduction

This document lays out a project description of library app,which is my passion project in this SEPF course.The intended readers of this document are current and future developers working on Library App and the sponsors of the project. The plan will include, but is not restricted to, a summary of the system functionality, the scope of the project from the perspective of the developer, scheduling and delivery estimates, project risks and how those risks will be mitigated, the process by which the developer will develop the project, and metrics and measurements that will be recorded throughout the project.

2 Overview

There are many colleges in our state and in our country,there are many students in that colleges and there are libraries for each and every college.the library app I want to make provides the students in smart use of the library through the app from their smartphones.This will make the work of the library adminstraters their work easier and fast.This app provides the additional feature for students to access the library of other institutes on permission basis.

2.1 Customers

Every student of every college and the administraters of library from every college are our customers for this application.

2.2 Functionality

The requirements of the application are –

Login-after successful sign up and login of the users,app server will divide the users as students and admins.students will have different type of access and admins will have different type in the app.

Search for books-students after providing their info their required books for their concerned course will be available for the students,in that students can select their required books.

Issuing of books-after selecting the book,student will receive the book from the admin of the library.

Notifications-once the student selects the books ,the admin receives a notification and he issues books for the students,and students would receive notifications regarding the due date and a remainder notification just before the due date.

Ratings and reviews-students can know the opinions and reviews of a book from the earlier readers and they can even provide the ratings and reviews.

Sharing knowledge-students have the privilege to chat with each other to share the info.students can chat with the admin of the library,admins have the privilege to chat amongst them.

Accessing permission from other college libraries: if a student in case wants to access the library of other college ,he needs to inform to his college library admin through chat and the admin chats with the other college admin and he take permission and gives it to student.

The project will be developed as a web-based application as well as a mobile application from Android, . It is a client-server model application.

2.4 Development Responsibility

The develepor will be responsible for implementing the functionality that he commit to in Section 3 of this document. He will also be responsible for the maintenance of the Library App Project.

3 Goals and Scope

The developer intends to implement the following functionalities explained in Section 2.2 of this document for the final release - The end users can view use this app.they are students and administraters of the institute library.

Provides free access of institute library through this app for students and the management of library books for the admin can be done.

Notifications for the admin and the student regarding the due date will be sent through this app.

Informs just before the due date for the student to return the book.

A student Can share the knowledge with other students with private chat..

Reviews and ratings are allowed through this app.

4 Deliverables

The Developer will deliver the following to the sponsor-

Feature Specification Product Design Test Plan Deployment Document Source Code

5 Risk Management

5.1 Risk Identification

The possible risks involved in this project are -

The Student may face a problem in accesing the permission from other college library.

5.2 Risk Mitigation

In making the chat online amongst the students,I may find a risk and in accessing the permission of other college library.

6 Scheduling and Estimates

Milestone Description Release Date Release Iteration M1 Requirement document September 27, 2015 R1 M2 Application view and design October 1, 2015 R1 M3 Database design October 12, 2015 R1 M4 Integrating models and views November 10, 2015 R1 M5 Beta version November 20, 2015 R1 M6 Issue tracker, user reviews, web design integration November 30, 2015 R2 M7 Final release December 15, 2015 R2

7 Technical Process

As a developer I would be using the following technology for the development of my project.

Front-end- HTML, SASS, JavaScript, AJAX

Back-end- MySQL, PHP, Java or Web Framework (Django)

For Development of App:

Android-

For application view and design, we would be using the languages for front-end development.

For Database design, we would be using MySQL.

For Integrating views and Design, we would be using PHP/Java/Web Framework.