

# Project Proposal

1. **Project title:** Library Guide - An application which is used to locate your desired book in a library.

2. **Group details :**

- Group Number : 7
- Group Members:
  1. Sri Harsha Chennavajjala (7)
  2. Teja Garidepally (12)
  3. Raj Kiran Reddy Munnangi (32)
  4. Suhas Sai Raparathi (51)

3. **Project goal:**

To develop an application with which a user can precisely locate the location of a book and information related to the book by just typing a keyword.

4. **Project objectives:**

- To develop a single application that provides the information about the large volume of books in a library and information about a particular book.
- Reduce the effort of user to go to the library to get the availability a particular book.
- Reduce the time spent by the user in deciding which book is preferable in his area of interest.

5. **Project significance:** A person can save his time in finding his desired book quickly instead of wasting time in search of the required book. The user can find a highly recommended book in his area of his interest based on reviews and ratings.

6. **Project uniqueness:** The Unique Selling Point of the project is that the application provides recommended books based on users area of interest. If the book is not available then the user can set the reminder when the book is available.

7. **System features:**

- **Book Search:** The user can search the book based on ISBN, author, or area of interest.
- **Edit Profile:** The user can edit his profile based on his field of study from time to time.
- **Recommended Books:** It provides the list of books which are recommended to the user based on reviews, ratings and the users area of interest.
- **Timings:** It provides the working hours of library and any deviation in the schedule.
- **Reminder:** It provides the notification when book is available in the library.
- **Reviews:** Users can add reviews and ratings to the books.

8. **Related Work:**

**Book Library:** This application offers the user to organize the books that he has and lend books to his friends. The user can add books by scanning the barcode.

**Home Library:** This application allows the user to add books, CDs and manage the library on a secured website. The user can also send polite reminders to users who borrowed the books.

#### 9. Backup Project:

**Student Assistant Companion:** In most of the schools, student assistants will be given a website on which they have to log their work hours, leaves etc. Sometimes student assistants will have to attend some random shifts to compensate others' absence. So there is a possibility that the student might forget to attend those shifts. To prevent this, we are planning to develop a mobile application which will sync with the server and updates the student's calendar. There is also an option to set shift reminders so that the students will never miss their shifts.

#### 10. Bibliography:

- University of Missouri Library - <http://library.umkc.edu/>
- Top Library management android applications - <http://appcrawlr.com/android-apps/best-apps-library-manager>
- 4 Android Apps for Managing Your Personal Book Library - <https://www.maketecheasier.com/android-apps-manage-book-library/>