

# Project Proposal

1. **Project title:** Student Companion - An application which is used to provide access to the several tasks of a student like updating profile, getting computer lab information, booking study rooms in Library and so on.
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 which will make the student's tasks easier by providing the above mentioned functionalities on-the-go.
4. **Project objectives:**
  - To develop a single application that enables the students to update their profile details like address, phone number, emergency contact information. The student will also be able to update his profile picture.
  - To develop the functionality that the students will get the latest up to date information of the computer labs, like working hours, systems available etc.
  - Enabling the students to reserve a study room ahead of time in the library.
  - Providing features to the Student Assistants to check their working shifts, post substitutions and taking substitutions.
5. **Project significance:** The students will be able to find out the availability of computer laboratory and its working hours. The students will also be able to update their profile details like address, mobile number etc. on their android mobile phones. Reserving the study rooms in Library will be an easy task as the students can do so on-the-go on their mobile. If the student is a Student Assistant, he/she will also be able to post or take substitutions.
6. **Project uniqueness:** The Unique Selling Point of the project is that the students can have the ability to decide to which computer lab they have to go by finding out the real time availability of workstations at the lab. The student will also be able to reserve study rooms at library without any hassle as the application provides a unique and easy way of reservation. Most importantly, the student assistants can check the shift substitutions on their mobiles.

## 7. **System features:**

- **Profile:** The students can view or edit their profile details like address, phone number, and emergency contact information at any time on their mobile phones.
- **Notifications:** The application will display the information of the student's next class schedule or next working shift or student room reservation details on the home screen.
- **Computer Labs Information:** The student can check the real time status of the computer labs availability. The student can get the address of the particular lab by clicking on it.
- **Study room reservation:** The students can reserve the study rooms present in the library. The students will check for the availability of the room. Once the required room is available, the student can reserve the room with a single click.
- **SA Menu:** Student Assistants can check their working shifts. For some reason, if the student assistants are unable to attend their shifts, they can post a substitution on the mobile application. The other student assistants can take the posted substitutions.

## 8. **Related Work:**

**UMKC:** This application offers the students view addresses of different college buildings, search for classes and view their grades.

**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. **Bibliography:**

- University of Missouri Library - <http://library.umkc.edu/>
- UMKC IS Labs - <http://www.umkc.edu/is/labs>
- Top Library management android applications - <http://appcrawlr.com/androidapps/best-apps-library-manager>
- SFU: Student Companion - <https://play.google.com/store/apps/details?id=com.teamzeta.sfu&hl=en>