**inSight 2017**

**Department : Department of Library**

**Problem Title : Library management application**

**Problem Code : PS08**

**Problem Description :**

Library management application is an android application which aims in developing a computerized system to maintain all the daily work of library with a user friendly interface. This project has many features which are generally not available in normal library management systems like facility of user login and teachers login .It also has a facility of admin (librarian) login through which the admin can monitor the whole system .It also has facility of an online notice board where teachers and student can put up information about workshops or seminars being held in our colleges or nearby colleges.

Main features:

* It must contain journals, notes, e-books and previous years question papers that are present in OPAC.
* It must push a notification to the students at the time of book issue.
* It must send alert notification to the student about book submission and overdues.
* Students and teachers must see the books that are issued to them.
* Librarian i.e. admin of this application must search the students and books (book bank as well as normal book) issued to particular students with their issue date.

**Proposed solution:**

The solution can be found by creating an android application which creates separate login for users that is students and teachers and for admin that is librarian. Each will be designed separately so that the view will be different for different types of users. The admin login allows him / her to login and check the books issued to different students and can check the due date and the penalty for overdue. Students view provides him to search the books available for him and the question papers. The application searches the book and its availability, in case if it is not available it notifies the user whenever it will be available.

**Technology Stack:**

Android studio for application development.

**Use Case:**

**Team Members details:**

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