*LIBRARY APP- An app with an objective to search for books, journals, research papers and magazines available in the university library*

*APP DESCRIPTION-*

My university, VELLORE INSTITUTE OF TECHNOLOGY, Vellore, has a Central library that has been built to International standards and spreads over to ground plus six floors with an area of 7770 sq.m. It has specialized collections of Books, Journals & other resources in Sciences, Engineering and Technology, Biotechnology, Humanities, Social Sciences and Management. The collection includes books, e-books, back volumes, CDs\ DVDs, video cassettes and audio cassettes. The Central Library subscribes to national and international journals in print and e-Journals.

But the problem that people face is to walk to the university to know about the book or check it's availability.

The 'Library' app made by me solves this problem by providing the user with availability details of books and further info about the books. Moreover it also aims at providing the user with info about the EBooks, Journals, Magazines and Research Papers and thus helps users to tap the vast resources provided by the university.

Due to the unavailability of the API for the university library, I have used the OPENLIBRARY API to demonstrate the purpose of this app. Thus, the app now searches for the book on the openlibrary server and fetches data from it. But due to lack of knowledge and tutorials on the internet on how to use the API ,it led me to a problem of not displaying the data though it fetches the data perfectly as can be seen in the toast. The sections for Journals, Magazines , Research Papers are not functional at the moment due to lack of API support and thus these sections are for demonstrative purposes only.

In addition to fulfilling the objective of the app, it also features the latest material design to give an eye-soothing experience to the user while using the app. The app also has a different layout for tablets to provide a uniform experience across all forms of devices.

In future, I aim at implementing features like academics login so that the user syncs with the library record maintained by the university and helps the user to maintain a record of the books borrowed from the library. It would also help in notifying the user about the returning date of the book or fine issued by the library due delay in returning the book.

This app if implemented by the university can help many students , tap the vast resources provided by the university and would eradicate the resource drain which could have benefitted to the students and university.

*FEATURES-*

Searches for- Books

* + - Journals
    - EBooks
    - Magazines
    - Research Papers.
* Provides information about the resource selected.
* Ability to request the developer for a particular resource.
* Sort the listed books in alphabetical order.
* Maintains a record of the books borrowed by the user.(Future version of the app)
* Notifies user of delay in returning of the book and fine issued by the library.(Future version of the app).
* Material-style design for a beautiful experience.