

COLLEGE STUDENT COMMUNICATION PORTAL

M. NITHYA RAMAKRISHNA, Assistant Professor, QIS College of Engineering and Technology, Ongole, Andhra Pradesh - 523272.

SURE NAGASIREESHA, VAKKALAGADDA VENKATA LAKSHMI SOWMYA, CHINTALA VIGNESH, NALI RAVICHANDRA RAJU, QIS College of Engineering and Technology, Ongole, Andhra Pradesh - 523272.

Abstract - The aim of this project is to build an android application that provides an interactive environment among students of various colleges providing updates regarding different events or activities. It creates an open forum and brings together all the students of similar age groups providing a space for communication and enables sharing of knowledge and ideas. This application can become a one stop for various needs of students.

1. INTRODUCTION

The term portal is known as links page which presents information from diverse sources in a unified way. It may contain services that provide standard search engine feature, e-mail, news, information, databases and entertainment. Portals provide a way for enterprises to provide a consistent look and feel with access control and procedures for multiple applications and databases, which otherwise would have been different entities altogether. Electronic registration or e-registration, web based registration or even online registration is a secure website that students enter to indicate that they will attend classes in the upcoming (fall

or spring) rain or harmattan semester (Strauss, 2000). Students can access the e-registration site from anywhere with an internet connection. Mostly these sites are portals. Pena-Lopez (2007) describes a web portal as a site that functions as a point of access to information on the World Wide Web and portals present information from diverse sources. The Google directory describes the term portal as where users control the content. There are several terms in library and information science and indeed IT that have their origins borrowed from other disciplines and a portal is one of such (Brakel, 2003). It must be borne in mind that the Web, a resource of the Internet, and a tool to browse the Internet is the first ever innovation that allows anyone to publish to a vast number of users via the Internet. The portal in this context, is more than a gateway, it is a hub from which users can locate all the Web content commonly needed (Nielsen, 1999). The portal is a platform for organizations – universities, colleges, companies to leverage and for efficient communication and other in-house operations. Put more simply a portal collates — a variety of useful information into a single, one-stop` web-page, helping the user to

avoid being overwhelmed by infoglut` or feeling lost on the web (Looney and Lyman 2000 33). However, the Internet (Internetl gateways or libraries) are not focused on internal enterprise functions. Reasons why organizations have a portal according to (source) include: Information customization: Information personalization: Efficiency in accessing information (work flow): Link integrity software issues that link work: Enhancements and features such as calendars, to do lists, schedules, hours of operation, discussion groups and chat, announcements and alerts, job openings, career opportunities, reports and documents, search, emails, course schedules, grades, CPGAs (Cumulative Point Grade Average), transcripts, campus and world news, links to reference materials, bookmarks, etc. (Brakel, 2003). The roles that a portal supports includes those of students, faculty, staff, managers, workers, provosts, academic departments, IT facilities, scholars, researchers, prospective students, alumni, visitors, friends and vendors. (Katz, 2002).

2. Literature Survey

This project is an online portal between students, parents and faculty. This innovative system allows college faculty to share important data as well as notifications with engineering/non-engineering students. It consists of a faculty login along with student login & parent login. Since college faculties operate through pc and document uploading is simpler through a pc, the faculty login is to be performed using a computer. Faculty may upload their documents of respected subject syllabus, timetable document, notifications, e-

notes, attendance etc. through their assigned login. The documents are uploaded by faculties of department to different corresponding departments. We purpose to build this system on an online server that allows faculty to upload data & students may view/search and download the required documents through their computer device. Here students only see and download data of their particular semester/year/class. Rest of data is hidden. Faculty may access and upload/edit documents to any semester/year/class or add any notice as their desired.

3. OVERVIEW OF THE SYSTEM

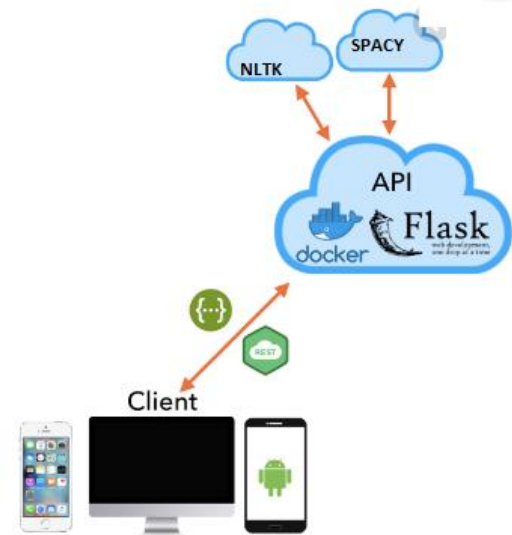


Fig 3.1 System Architecture

In Existing scenario, there are many events, activities, technical and cultural fests that take place in colleges and many a times, the updates regarding these events might not be effectively communicated among students of other colleges and sometimes even within the college. Communication of these events requires physical effort to reach out to different colleges and convey the information regarding such events.

In these app, we have 3 modules i.e. for faculty, club-head and student. Club-head can share the details of the events to particular college or group of colleges. And also, there is an option for in a

particular college you can send the poster to particular class or section or department. The student can find the details of events whereas the club head can share the details of the events. Faculty can also share the useful information like notes with particular students.

Thus, this application can play a major role in increasing participation levels of students in various events regardless of their college.

Requirements:

Software Requirements: Android studio, Java

Database: Firebase

Future Expansion of the Project:

The project can further be expanded to include the registrations and payments of the events apart from the updates alone. It can also enable communication between lecturers and students to share knowledge and concepts through this application.

4. OUTPUT RESULTS

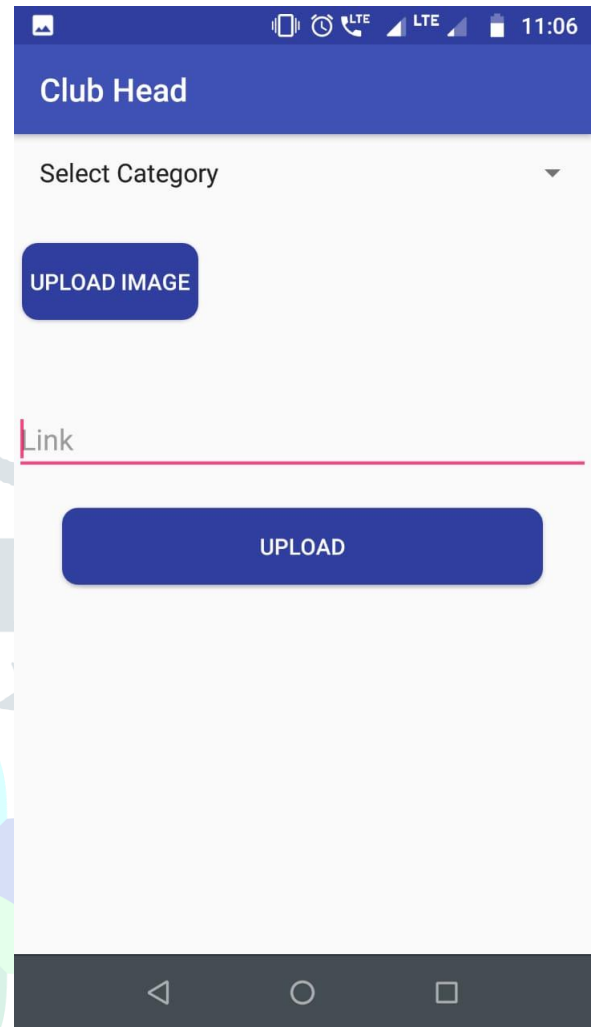


Fig 4.1:Home Page

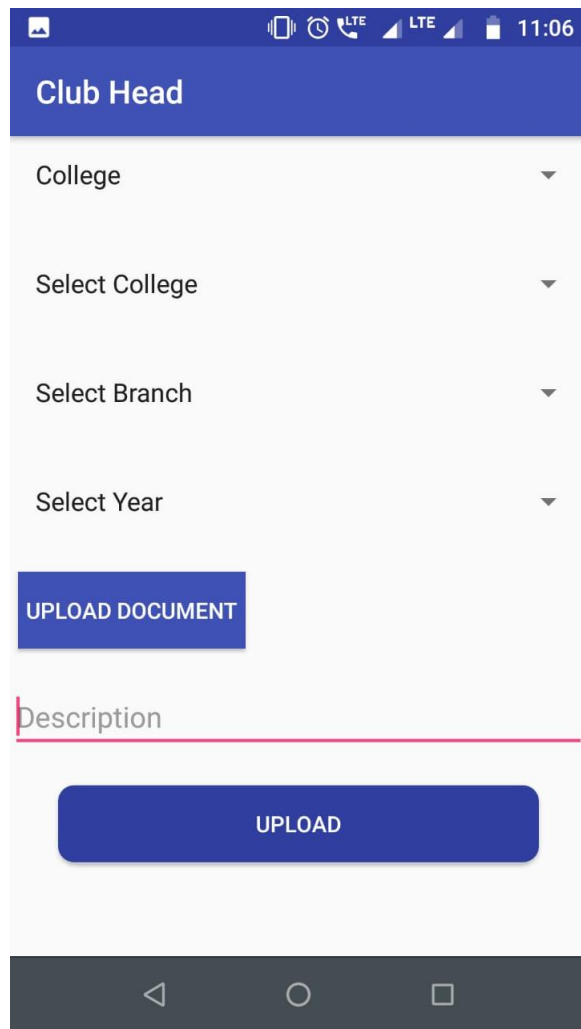


Fig 4.2: Upload Document

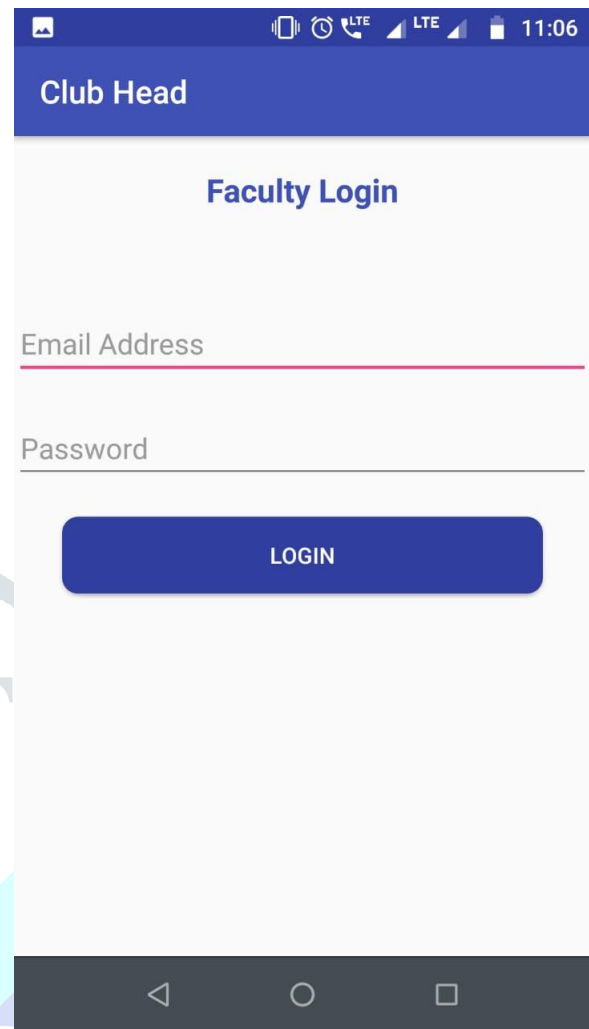


Fig 4.3: Faculty Login Page

5. CONCLUSION

We have completed this **Student communication platform** project successfully. The project can further be expanded to include the registrations and payments of the events apart from the updates alone. It can also enable communication between lecturers and students to share knowledge and concepts through this application.

FUTURE WORKS

This application can be improved in the future by adding the following functionalities:

- Extending to Apple iOS.

- Add additional functions to Android application such as improved user interface is deployment on the Android market.
 - To develop the event management application for the Blackberry OS using principles of code reuse.
8. Eric A.Meyer, CSS: The Definitive Guide, 3rd Edition (Oreily Publication, November 2006).
 9. FPDF 1.7 Reference Manual..

7. REFERENCES

1. VikramVaswani, MySQL(TM): The Complete Reference (Tata McGraw Hill Publication, 2004).
2. Jonathan Chaffer & Karl Swedberg, Learning jQuery, 4th Edition (Packt Publication, September 2011).
3. Sanjeev Kumar Jha, Pankaj Kumar and Dr. A.K.D.Dwivedi, International Journal of Computer Engg & Technology (IJ CET) , Volume 3, Issue 2, 2012, pp. 354 - 371, ISSN Print : 0976 – 6367.
4. Neelunihalani, Dr Mahesh Motwani & Dr Sanjay Silakari, ““Intelligent Query Converter...” International Journal of Comp. Engg& Technology (IJ CET), Volume 4, Issue 2, 2013, pp. 379 - 385, ISSN Print: 0976 – 6367, ISSN Online: 0976 – 6375.
5. Manisha a.Bhagat & Professor Vanita Mane, Protection of Web Application Against SQL Injection Attack, International Journal of Scientific and Research Publications, Volume 3, Issue 10, October 2013, ISSN2250-3153 .
6. Steve Holzner, PHP: The Complete Reference 5.2 (Tata McGraw Hill Publication, 2007).
7. Bunny Mehra & NavneetMehra, Website Development using HTML and CSS (Unicorn Books, 2012).

