

PACIFER (MULTI UTILITY MOBILE APPLICATION)

Ms. R.Suganthalakshmi¹, T.S.Nethaji², J.D.Festus Devapriyan³

¹Assistant Professor Department of Computer Engineering
 Kings College of Engineering Punalkulam, Tamil Nadu, India
suganthi83@gmail.com

² Student (UG) Department of Computer Engineering
 Kings College of Engineering Punalkulam, Tamil Nadu, India
nethajits1997@gmail.com

³ Student (UG) Department of Computer Engineering
 Kings College of Engineering Punalkulam, Tamil Nadu, India
franklinkv@gmail.com

Abstract: Every necessary activities and day to day needs cannot be accessed through a single Application. Every android user will have multiple apps on their mobile for different uses and they follow different method to get into that app. Every mobile user will be happy to connect with their daily needs and environment if they come under one roof. Apart from Security, the availability of any basic amenities like notepad, his/her CV, issues addresser and etc. to a user will be encouraged if it comes in common window of single application in mobile itself. Hostel life is much fundamental for understudies yet at the same time there are a few constraints". There are many issues and limitations in the hostel life so we conduct a survey on hostel. In that survey has been found students are facing more problems like water problem, Food problem, Electricity problem, Security Problem, Furniture problem, Medical Services problem, Internet Facility problems. So our project emphasis on the multi utility of the system application like security to ladies, Issues registering for students, notepad, and profile updates etc. that is modified into a user friendly mobile app for the same.

1. INTRODUCTION

Smart-phones have become today's gadgets of necessity. From making calls to checking email, from downloading the latest chart-topper to checking bank balances, they symbolize the convergence of technology in one small, mobile device. Recently, phone vendors have transitioned from highly customized to general purpose operating systems, such as Symbian, Windows Mobile, and Linux, making it easier for third-party developers to build applications. Nowadays the Security concerns in the society have become a major issue that needs to be addressed. The help from the digital world is a necessary phenomenon to this problem. Also, the accessing of security service through technology must be simple and easily accessible. In addition to that, every necessary activities and day to day needs cannot be accessed through a single Application. Every android user will have multiple apps on their mobile for different uses and they follow different method to get into that app.

Every mobile user will be happy to connect with their daily needs and environment if they come under one roof. Apart from Security, the availability of any basic amenities like notepad, his/her CV, issues addresser and etc. to a user will be encouraged if it comes in common window of single application in mobile itself. So our project emphasis on the multi utility of the system application like security to ladies, Issues registering for students, notepad, and profile updates etc. that is modified into a user friendly mobile app for the same.

The mobile application development is a major phenomenon in the current scenario and our project deals with the development of a new multi utility Mobile Application for the wide variety of people as per their own usage. The mobile application deal with the daily usage of people who navigates within their mobile to go to the specific application, this problem is nullified by the introduction of our mobile application called PACIFER. It pacifies the user by reducing his workload and time consumption.

This project is created in such a way that every different group of people like Students, Children, Old people, Ladies and other set of peoples can have their own choice of accessing the modules present in this application. In a nutshell, this project is created as a multi utility application.

2. PURPOSE

The main objective of this project is to cover as much basic amenities of a user as possible in a single window of application for the android users and this project is developed to provide a security, integrity and ease of access to some necessary operations which are carried out in today life and the project helps the user to access some of his basic attributes simultaneously.

3. SCOPE

The system being designed is economically with respect to the students and teachers point of view. The goal is to extract useful information from an unstructured data using the concept of information retrieval, filtering and secure random algorithms. To develop an enhanced student information management system that can help solve drawbacks of existing ERP system. Our basic approach attempts to develop a smart phone based application using Android which can be used to make this process easier, secure and less error prone. More efficient information will be achieved through this system. To provide access to information related to college, departments, uploaded assignments, notes, news and events, exams, discussion forum and daily time table on the go.

4. Literature Survey

4.1 ANDROID BASED CAMPUS SOLUTION FOR COLLEGE MANAGEMENT SYSTEM

Ms. Niharika Dedhia¹, Dr. V. C. Kotak²

Android Based Campus Solutions connects the students, staff, parents, alumni with the college using mobile phone. The staff can enter attendance of students, internal test marks, can share notes, etc. The students can get notifications time to time about the tests, events, etc. The parent can anytime check their child's attendance, performance. The striking feature of this app is that the students or alumni can get their certificates, concession forms using the app. They get notified when their document is ready. The College system can be one of the modules in my proposed system which attributes for the accessibility of students either college or School.

4.2 M-INSPIROPLUS

K. Vivek Thangam¹, T. Shyam Kumar², V. Yogesh kumar³ and S. Prabhu⁴

Mobile phones and android applications play a major role in human lives, from being an ordinary talking device to a human companion. College management system focuses on helping the staff's, lecturers who are working in the institution. The android application is focused to help the staff's for the progression and the academic development of the institution. That is by reducing the manual labour, checking the performance of the students. It maintains a database of all the information that are recorded and received. It helps the staff's to help students who need individual attention for their academic performance and also in case of any personal grievance.

4.3 SOLVING HOSTEL STUDENT ISSUES USING MOBILE APPLICATION

K. Mehaboob Subhani, Bhupendra Singh, Manoj Kumar D

It manages the issues on Solving Hostel Student issues and keeps away from the issues which happen when conveyed physically. Identification of the downsides of the

current framework prompts the outlining of modernized framework that will be good to the current framework with the framework which is easier to understand. It enhances the Productivity of the framework; in this manner conquer the disadvantages of the current framework. Point of this undertaking to build up a versatile Application for Hostel Students to diminish their issues and reduce the problems faced by hostel students, by way of better coordination which can be achieved through the Mobile Application.

4.4 SQMSA: Student Query Management System in Android

Mali Shital, Kulkarni Archana, Metkari Ashwini, Shendage Rupali

Student Query Management System (SQMS) is to create an application that can provide query management system through android mobile phones. Student Query Management System android application tracks all the difficulties of a student from the day one to the end of his course which can be used for all reporting purpose, tracking enrolment, progress in the course, completed semesters years, final exam query and all these will be available for future reference too. We are proposing the android application that will help to students as well as to teacher.

5. System Architecture

The overall system design consists of following modules:

(a) User Module: In this module we are authenticating the users by providing user name and password. If user name and password is valid then they will be taken to their static screens. When they get matched with each other, system checks their status and transfer the control to respective user-interface.

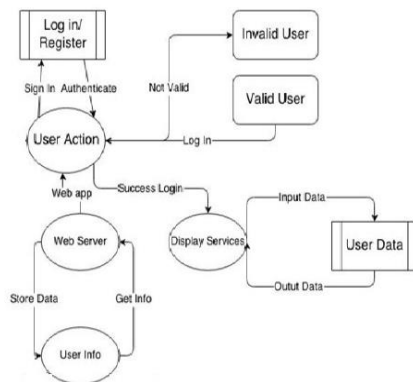
(b) Database Module: The system uses MySQL as its database and Apache Tomcat Server because of their simplicity and flexibility. This module store every single information about students, faculty and model their data on specified operations. These operation can be storing student attendance, result data or can be authentication credentials.

(c) Issue Addresser Module: This module is designed for hostellers and student, which use mobile phone to report the issues to the warden and the staff. This module provides with various categories and sub categories that user has to choose within and the message or mail will be sent to the concern head.

(d) Security Module: This module allows the user to have security issues to the security personnel and provides the mail with the latitude and longitude of the location also, this also comes in different categories and sub categories.

(e) Service Forum Module: This module is a feature where students can have multiple services and

data presentation. The Service module also gives the location of the user and provides multiple dynamics to the user.



6. System Evaluation

6.1 Advantages

- Mobility and automation is added to the process of managing student information in an institute
- The application will greatly simplify and speed up the result preparation and management process.
- Multiple algorithms working together to produce best results.
- The system is easy to deploy , safe with convenient operations.
- Access to authorized personnel only.

6.2 Disadvantages

- Designing the framework architecture for the system can be challenging part to make framework dynamic
- The service servers can have their own technology to make it really secured

6.3 Application

- Generates automated reports for attendance..
- Notifications, events and events prove to be very successful.
- Staff can arrange discussion forum which will help students.
- The voids in education system can be found

7. Conclusion

The system offers reliability, time savings and easy control. It provides students and other people a platform to actively attribute to the betterment of the system. This mobile application enables the system and user with a proper dynamics and the development towards the betterment of the applications and the management. The PACIFER deals with the multiple utility of the systems and the processes that involves within the mobile applications. This project is created in such a way that every different group of people like Students, Children, Old people, Ladies and other set of peoples can have their own choice of accessing the modules present in this application. In a nutshell, this project is created as a multi utility application