



## V-SERVICE

Authors

**Dhananjay Gavnanj<sup>1</sup>, Prajakta Kumbhar<sup>2</sup>, Manali Lokhande<sup>3</sup>,  
Prof Suja Jayachandran<sup>4</sup>**

<sup>1,2,3,4</sup>Department of Computer Engineering, Vidyalankar Institute of Technology, India

### Abstract

*Modern handheld devices such as smart phones and PDAs have become increasingly powerful in recent years. It mainly uses Android architecture. Android is the world's most popular mobile platform. It provides features like easy access to internet, many free applications, notifications, GPS, Wi-Fi, etc. These all can help to keep students updated regarding to their academics as well as events through mobile notifications. With help of this platform we can automate the system used in college for railway concession. The existing system is totally mechanical and the proposed will overcome this drawback and also provides features like notifying students all the upcoming events, registrations, examination form filling, etc. using real time data. The student can also retrieve individual results by entering seat number. This application is complete package for students to keep themselves updated regarding to their academics and college events like cultural, sports, committee, competitions, etc.*

**Keywords** – *Android application, Railway concession.*

### Introduction

The future of Android operating system is limitless. <sup>[3]</sup> Android has already posted some impressive figures that show that Android has become the number one mobile operating system in a number of areas. App stores are the central hubs that contains applications with a variety of purposes. Users can find apps to help stay organized, watch movies, read books, etc. By using this platform, we are aiming to implement an android app called 'V-Service'. <sup>[1]</sup> The existing system does not provide live notifications on their phones. Every individual have to login every time to the web portal to check whether any new updates available. This system also does not provide any online service for railway concessions as we have to fill the forms manually which results in delay as well as wastage of manpower and papers. There is no facility to check result of individual student. The V-Service is an application where all information and services that students need can be found in one place. The

information on the V-Service will prove helpful to active students.

The proposed system will notify every student all the upcoming events, registrations, examination form filling, etc. using real time data. It also provides whole procedure for getting railway concession. <sup>[2]</sup> As well as for generating concession form the unique code generator will also be there to avoid repetitions and distribution of concessions to the wrong person. There will be a counter which will measure the concession period in terms of days or months between the last concession taken and the date of applying for new concession. The student can also retrieve individual results by entering seat number as there is no facility of retrieving result individually in the previous system. Also the re-evaluation form and form for getting photocopy of the paper is provided online in this system. In the proposed system Event locator for college is also included for notifying the user about the events. So that user will come to know which event will be there in college at what time along with venue.

## Proposed System

The contents of the V-Service are divided into the Railway Concession, Event notification, Exam Cell There is also a general homepage where you will find news and links to other internal pages, and a home page requiring a login that provides services and personal information. Examples of services are:

- Select courses
- Railway Concession
- Event notification
- Online Examination Forms
- Examination dates
- Examination sign-up

Firstly, Students needs to register by submitting details related to their academics like roll no., semester, branch, etc. After that student will receive login credentials. When logs in, the V-Service will take you to your home page according to your branch and semester you registered. There you will find links to all of your student services in one place, as well as important messages from the university, the latest news and events from the calendar. You can also find your most recent scores, your courses for this semester and examination dates.

Forum is the section wherein students will receive notifications regarding to events like cultural, sports, committee, etc. held in college way ahead in time so as to user can attend or register for those events well in time.

<sup>[1]</sup> Railway concession is another section where students can place request for railway concession. Till this time, all the concessions are to be checked, written, stamped by clerks manually which is time consuming as well as it consists of

redundancy. It also makes use of papers. Here, we are focusing to automate this process by filling concession forms online. Once this concession forms are submitted, it will be redirected to server where form will be checked for its duration, address, fake requests or early requests. If request is made early, system will tell you to request for concession after some days. If it is a valid request, then it will be approved by issuing unique code and digital signature. And will be posted to respective student.

Exam Cell is a section which deals with exam related stuffs where students fill their exam form online also can place request for reevaluation, also can retrieve their individual results at one go and also can print their copy of result.

## Advantages

Service keeps track of all the upcoming activities (sports, cultural, committee, technical, etc.) in the college via notifications on your mobile.

1. It will help to retrieve individual's result at one go.
2. It automates the procedure for railway concession.
3. It also reduces paper work as well as man power using Digital Railway Concession System.
4. It can also help to avoid fake requests, early requests resulting to avoid delays.
5. Students can keep themselves updated regarding to academics and all the events in college.

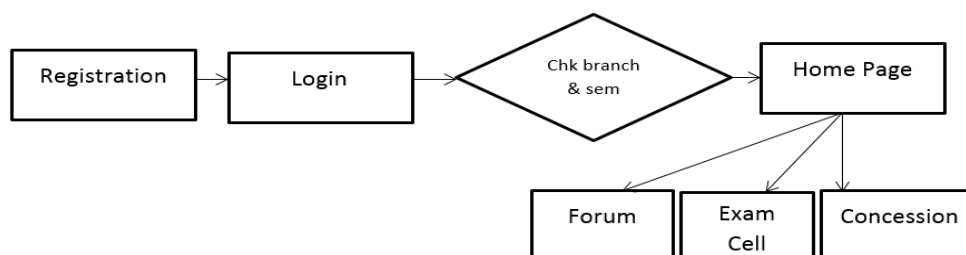


figure.1: Registration and Login



figure.2: Forum for notifications

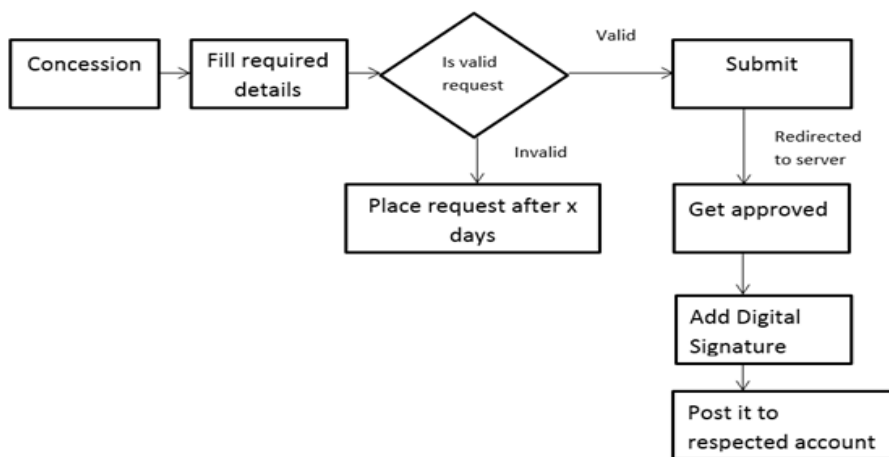


figure.3: Placing request for concession

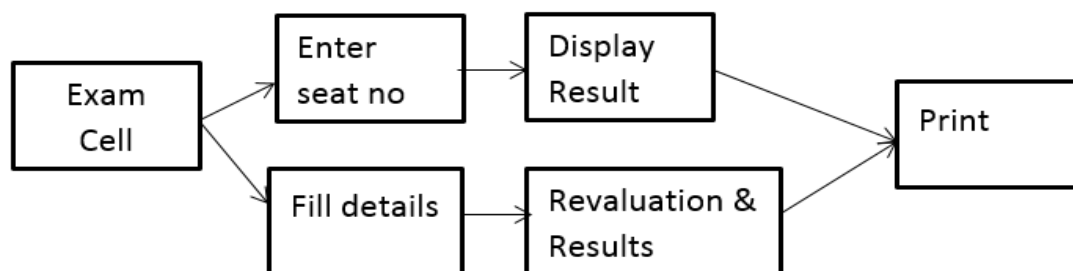


figure.4: Exam forms, results and revaluation

**Conclusion**

V-service is the android application which facilitates students with various services like event notification, railway concession, exam cell details as well as results which were not present as the combine package in any of the previous system.

**References**

1. 10.0.0.6/Railway\_concession/reg.php(intra net portal)
2. [http://www.indianrail.gov.in/conc\\_Rules.html#GENERAL\\_RULES](http://www.indianrail.gov.in/conc_Rules.html#GENERAL_RULES)
3. <http://developer.android.com/tools/studio/index.html>