

RAILWAY TRAVELLER'S – ONLINE FIR REGISTRATION

Dr. Anita Harsoor¹, Vinayak Reddy², Shaik Majeed Ali³, Shrishail⁴

¹Professor, Department of Computer Science and Engineering, PDA College of Engineering, Gulbarga, Karnataka, India.

^{2,3,4}Student, Department of Computer Science and Engineering, PDA College of Engineering, Gulbarga, Karnataka, India.

ABSTRACT

While travelling in the train in the event of any incident the procedure of FIR becomes hectic for a passenger because there is no facility for a passenger to file FIR instantly. The passenger needs to visit railway police to file FIR. Railway department has provided a helpline number 182 for lodging FIR. Though it's not much helpful. We want to develop a system from which passenger travelling in a train can now file a FIR through his mobile in just a few steps and it's guaranteed that his/her all details will be valid. Passenger won't need to visit Railway Police station to file a FIR. The basic aim of this project is to provide hassle-free service to passengers travelling in a train the FIR registration will be attended by police station in arriving next.

1. INTRODUCTION

A First information report is a document prepared by police organization. Online FIR is to develop an online crime reporting and management system which is easily accessible to the public, the police department and the administrative department. An EIR is an important document because it set the process of criminal justice in motion it is only after the FIR is registered in the police station that the police take up investigation of the case. The person giving information or making a complaint as a right to demand that the information is recorded by the police be read to him or her. Once the Justify information has been recorded by the police it must be signed by the person giving the information.

1.1 Block Diagram

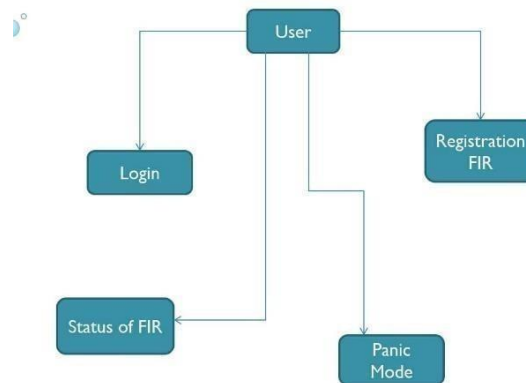


Fig 1: Block Diagram of Users Interface

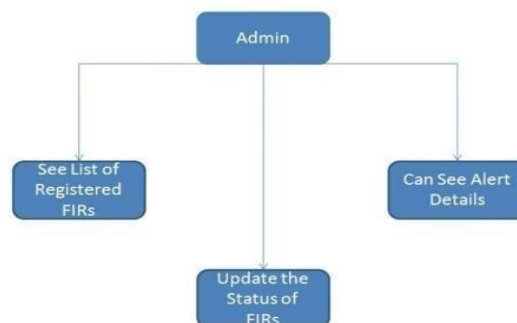


Fig 2: Block Diagram of Admin Interface

2. METHODOLOGY

Passenger: Native android app is built for passenger. Passenger needs to authenticate first and then he/she can File FIR, See the status of FIR and report danger situation to Government Railway Police.

Gathering data: Passenger need to share all the data which has been asked in the FIR registration form. with that data

GRP will take action.

GRP (Government Railway Police): This is dashboard for GRP. GRP can see list of registered FIRS, can take action on FIRS, can see Alert details.

Use Case diagram is shown figure 3. which shows the complete method of this Android Application working.

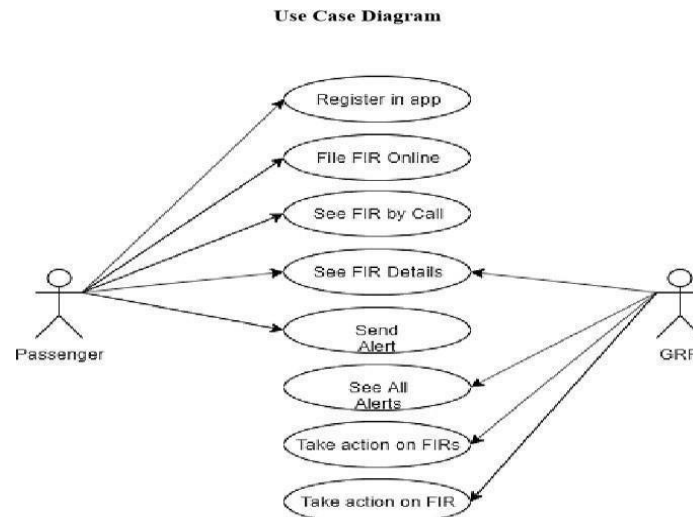


Fig 3: Use Case Diagram of Passenger security.

2.1 Framework of the proposed work in project Phase

Android Studio IDE:

Android Studio is the official integrated development environment (IDE) for Google's

Android operating system, built on JetBrains IntelliJ IDEA software and designed specifically for Android development.

Visual Studio Code:

At its heart, Visual Studio Code features a lightning-fast source code editor, perfect for day-to-

day use. With support for hundreds of languages, VS Code helps you be instantly productive with syntax highlighting, bracket matching, auto indentation, box selection, snippets, and more.

PHP: PHP is typically used as a server-side language (as opposed to a language like JavaScript that's generally executed on the client-side).

MySQL: MySQL is the world's most popular open source database. With its proven performance, reliability and ease- of-use. MySQL has become the leading database choice for web based applications, used by high profile web properties including Facebook, Twitter, YouTube, Yahoo! and many more.

Firebase:

Firebase Storage provides secure file uploads and downloads for Firebase apps, regardless of network quality.

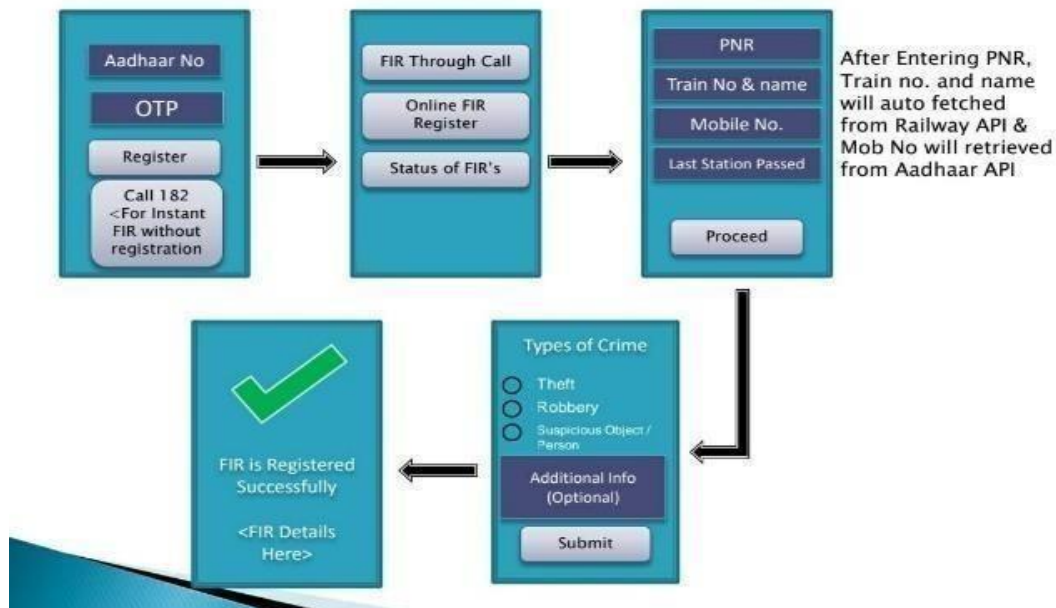
Java Platform:

The Java platform is a suite of programs that facilitate developing and running programs written in the Java programming language

3. MODELING AND ANALYSIS

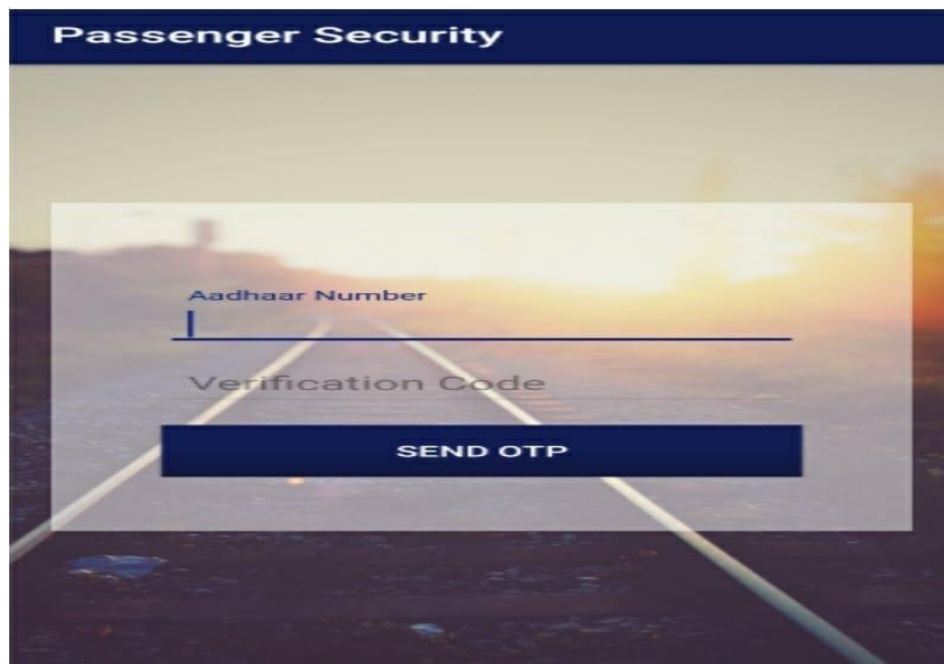
Many problems are faced by the people to launch FIR manually. Much time and money is required. Hesitation, as some people think that going to police station will effect their reputation. The problem is here to create a robust "Android Application for Passenger Security" which will help passengers travelling in train to file FIR online through mobile app if any incident is happened. FIR registered by passenger will directly visible to GRP person. GRP will have to help that passenger in that case. By this interface, it'll be helpful for passengers and Government Railway Police to communicate with each other. Anti-Fraud support: Passenger needs to be This Android application is user friendly, so users can asily use this system. This proposed system has the features which overcomes the problems present in existing system.

3.1 System Design:



4. RESULTS AND DISCUSSION

It will login With Aadhaar verification If Aadhaar no. is Available in database Then verification code will be sent to the Aadhaar registered number. Then only you can start using the app.



Screenshot 1: Login Page of the Application



Screenshot 2: GRP (Admin Portal)

After Logging in the Application you will be presented with the registration form, The Required details need to be filled.

It shows the Details of the Registered FIRs ,and shows the Status of the FIRs and you can search particular FIR using FIR No. When the Passenger click on panic mode then the current location and details will be showed here.

5. CONCLUSION

The development of android application result in providing quick and emergency services to passengers. This application implementation will reduce the time of passengers as well as load of Government Railway Police or Railway Police Force.

6. REFERENCES

- [1] Online FIR Registration and Sos System-IJECS Author: Anindita khade, Sanket yerigeri Year:2016
- [2] Online Criminal Record Management SystemIJESC Author: Prathiba Misra, Ghousiya Bee Year:2019
- [3] E-police System-FIR Registration and Tracking System-IRJET Author: Archana Iyer , Sagar Gathoo Year:2016
- [4] Crime Management System-ISSN Author: Swathi Sharma, Ramya Naik Year:2018
- [5] Online Complaint Management System-IJSET Author: Osman Nasr,Enayar Alkhider Year:2015