

# YATRI - THE TRAVELLING APP

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**Abstract** - The popularization of smartphones has fostered the use of e-hailing apps, which can effectively reduce information asymmetry and provide ease and convenience during travel. The user experience is negatively impacted by issues including product uniformity, slow operation speed, and ambiguous interfaces in travel apps. Using the theory of planned behavior and the technology acceptance model as a foundation, this study looks at a variety of travel app features and how they affect university students' trip experiences and intents. According to the study's findings, the ease of use of travel apps appears to have a greater impact on students' attitudes, perceived behavioral control, and travel intentions than the content of the applications themselves. The work makes a contribution to the combination of the theory of planned behavior and the technology acceptance model in travel contexts. Additionally, the findings offer applicable stakeholders that desire to provide better products and services substantial practical consequences and suggestions on product and service design.

**Key Words:** e-hailing app, service history, travel readiness, and other determining factors

## 1. INTRODUCTION

With the development of the internet, 5G mobile communication technology, and enhanced smartphone performance, the number of internet and mobile phone users has greatly increased in India. Software developers have also taken advantage of this opportunity and have been continuously improving the features and UI of existing mobile apps to make them more user-friendly. In addition, a tonne of fresh mobile applications have been created to satisfy various customer and corporate needs. As travel has become an increasingly important part of Indian consumers' day-to-day lives, many mobile apps are travel-related, offering information and support essential for people at different stages of excursions, and as a result, have drawn a sizable user base. Software developers have also taken advantage of this opportunity and have been continuously improving the features and UI of existing mobile apps to make them more user-friendly. In addition, a tonne of fresh mobile apps have been created to satisfy

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## 2. LITERATURE REVIEW

Jet, J. 6 Travel Apps to Help You Stay Organized While Traveling. Forbes. 2018. Available online: <https://www.forbes.com/sites/johnnyjet/2018/04/02/6-travel-apps-to-help-you-stay-organized-while-traveling/?sh=546617374885>

College students' travel preferences and behaviors have received little study attention, indicating a significant research gap that needs to be filled. For instance, there are more than 100 e-hailing apps in India, with a total of 340 million registered users (Statistical Report on the Development of the Internet in India, 2020). Yet, only two apps, Uber and Ola have more than 9 million users registered, covering more than 40 major cities in India. Customers' approval of and willingness to use mobile travel apps again is heavily influenced by their customer service experience. In addition, many studies were descriptive in nature or focused on general consumers rather than travelers. There aren't enough studies that combine two or more theoretical viewpoints and look at traveler experience. Software providers have also seized this opportunity and have been constantly enhancing functions and upgrading the interfaces of existing mobile apps to create more user-friendly experiences.

## 3. EXISTING SYSTEM

According to the results of a literature research, there aren't many mobile travel apps that give managers of travel agencies access to location-based data. A meeting was organized with the organizers in Kochi to identify the problems behind the lack of time coordination and poor communication between the driver and tour guide due to the lack of real-time location-based information of the

driver. This was done in order to collect desired features of mobile travel applications for travel agencies and issues faced by them.

#### 4. PROPOSED SYSTEM

The goal of the project is to provide an open mobility, user-friendly, and optimized travel app for mobile devices that anybody can use to enjoy a pleasant and secure trip with one of the skilled drivers we employ. The solution will be created in response to customer requests so that drivers can make more money to support their daily lives. to track it and receive exact location updates. In addition to automobiles and the metro, we also offer auto service. Different payment methods and pricing display methods are used. service to/from/from/from the meteor station. For ease of usage and understanding, simple and concise user interfaces are built for all types of users.

#### 5. SYSTEM REQUIREMENTS

##### 5.1. Software Requirements

- Android studio  
Utilized to create and develop Android applications
- Visual Studio Code editor that is simplified and supports development tasks including debugging, task execution, and version control
- Postman  
It is an API (Application Programming Interface) development tool that aids in the creation, testing, and modification of APIs.
- Firefox / Google chrome
- iTerm  
It is a MacOS terminal that is utilized to run the server
- Xcode CLI  
The entire suite of developer tool sets for building apps for the Mac, iPhone, iPad, Apple Watch, and Apple TV is called Xcode. It creates a single workflow for user interface design, coding, testing, debugging, and submission to the App store.
- Java 11
- Bower dependency Manager & Spago  
Project dependencies include some.

- BitBucket
- Jira  
To create issues (feature, bug, and so,)

##### 5.2. Programming Language

- Purescript - front end
- Haskell - back end

#### 6. SYSTEM ANALYSIS

##### 6.1 Drawbacks of Existing System

- The location wasn't updated correctly
- In some cases, polylines were absent
- The organizers have significant control on the driver's income
- In rare circumstances, the FCM notification's sound was absent.

##### 6.2 Advantages of Proposed System

- It shouldn't be necessary to access a fast network
- Updates on the location are done correctly
- We avoided asking for too many permits
- Finding destinations for trips should be suggested in precise, limited terms
- Although having a trip that is contracted with an agency will lessen the drivers' profit and enhance the profit of the companies that come into
- Unrestricted, free cancellation
- The ability for the app to save the boarding pass

### 7. FLOWCHART

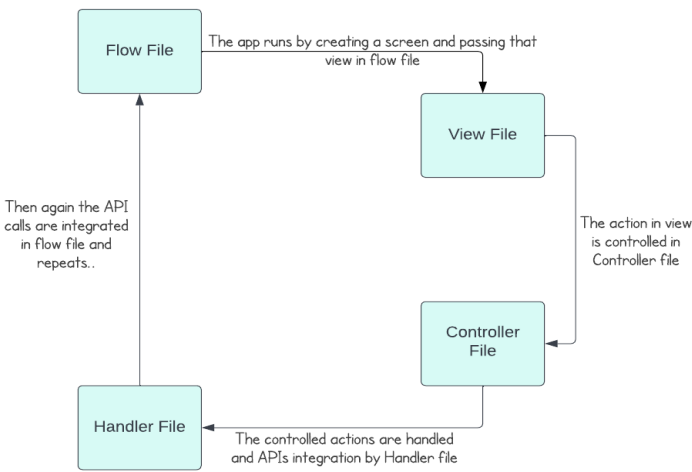


Fig 1: Flow chart

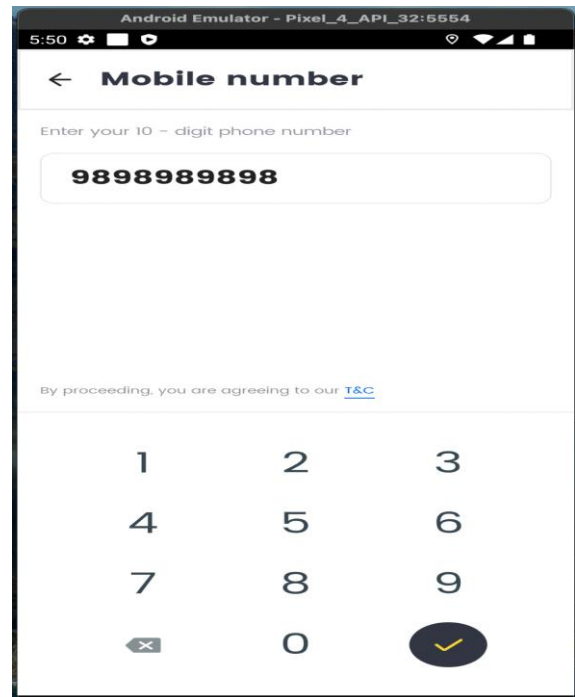


Fig 3: Enter mobile number screen

### 8. OUTPUTS

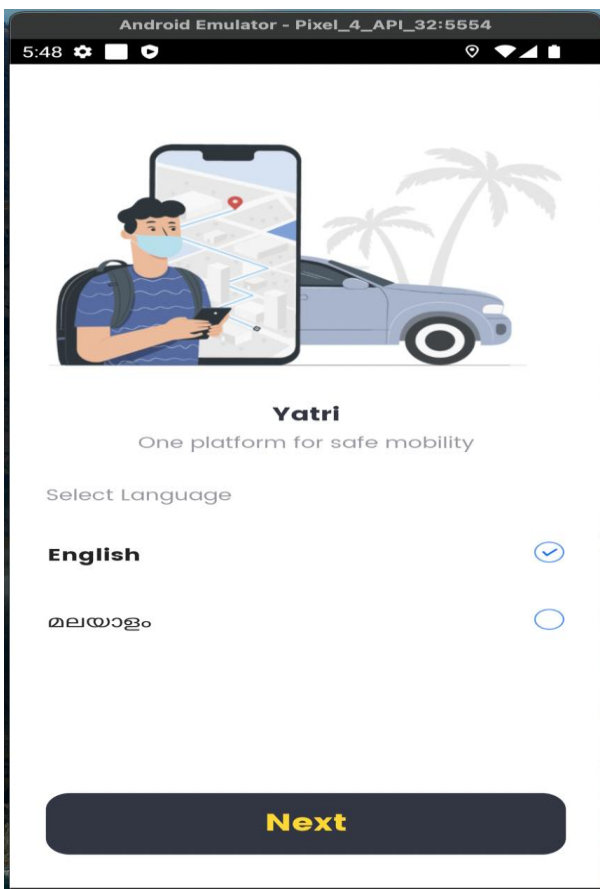


Fig 2: Choose language screen

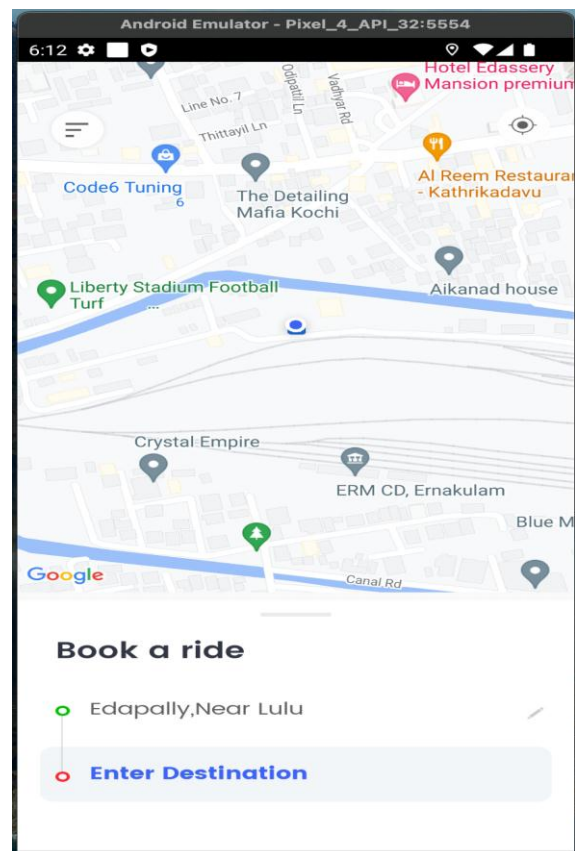


Fig 4: Book a ride by entering source to destination

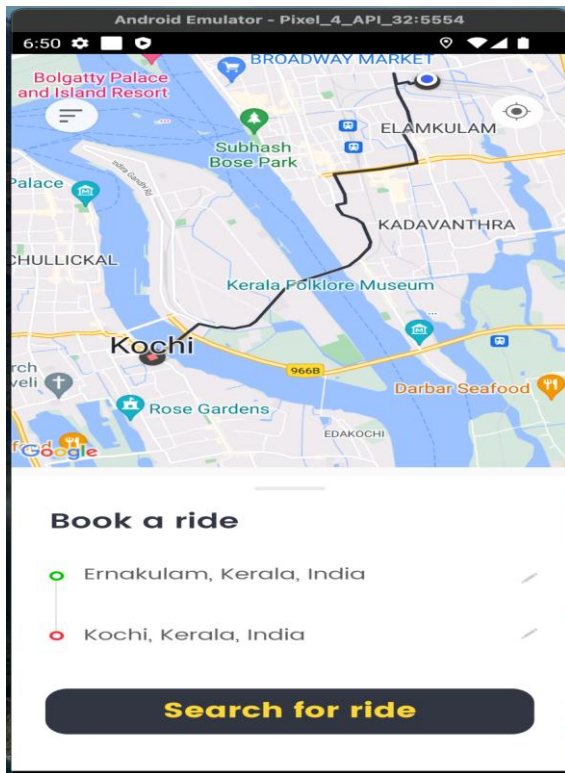


Fig 5: Confirm the ride

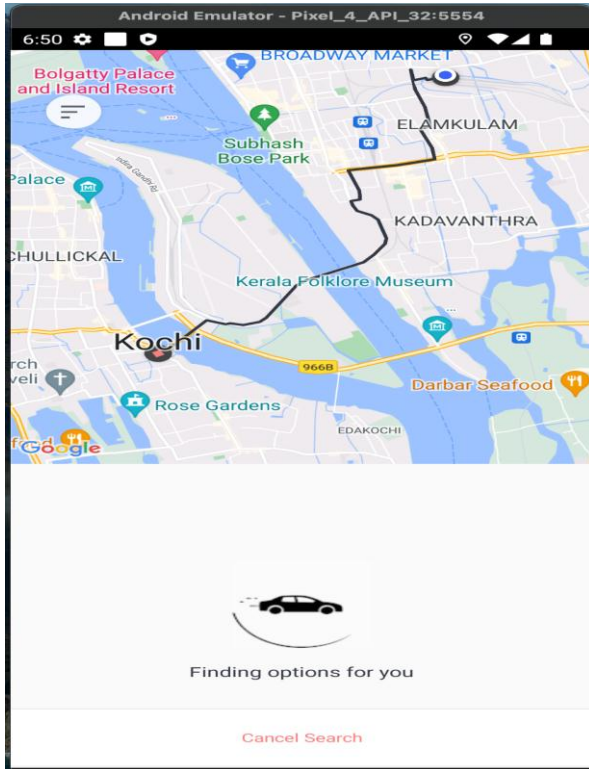


Fig 6: The app searches for the best drivers available

## 9. RESULTS AND DISCUSSION

Once a cab or metro service has been reserved from a source to a destination, the project is complete. The driver arrives at the source location after accepting a ride, enters the customer's OTP, and then begins the journey to the destination location. The driver stops the trip after they have arrived at their location, charges the fare, and collects the money via UPI, cash, or any other available payment option. Applications must be interactive and have two-way communication capabilities in case a user has a question or concern that needs clarification or help. Without direct human involvement, automated technologies are used to construct mobile applications. In conclusion, mobile applications not only serve to be smart and quick, but also to eliminate reliance on human resources while also lowering maintenance expenses. Additionally, there was a decline in the utilization of labor, which is gradually being impacted by the replacement of humans by robots and digital computer systems. Many people may experience job loss or trouble finding employment, which will increase the number of unemployed people. 800 million jobs will be eliminated by automated systems by 2030. Travel agents, airport employees, and hotel staff who utilize manpower are some of the most at risk occupations in the tourism industry.

## 10. CONCLUSIONS

Many applications were developed during this time period to fill demands or take over driving duties, but they also included the best solutions in terms of safety and dependability. To ensure that consumers' transactions went smoothly, human functions were still necessary. In order to provide mobile application services and convey information to their potential customers, this study highlights several useful implications for researchers, mobile application developers, travel-related companies and government agencies.

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