





















KPIT



Media Partner











WhatsInAName

PS ID: DRI35

(Virtual Tourist Guide)

Govt. of Goa



- Deep Neural Net based classification
- Prediction accuracy is 98.24%;
 Validation accuracy is 96.71%
- Highly Scalable
- Blazing fast; inference in < 1 sec
- Dataset exclusive to Goa landmarks; with 15000+ images
- Usable without internet too
- Location based place recommendation

Day

- SOS feature with emergency number
- User Review and Rating for knowledge base addition
- Stores statistics for analysis

Problem Statement by Govt. of Goa

Feature Request By Evaluators

Day 2

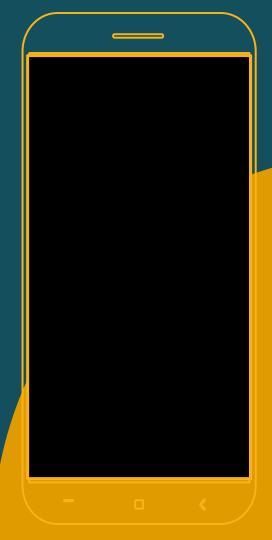
Dynamic user oriented experience Profile creation

- Personalized Al based suggestions
- Suggesting Monuments on popularity
- Auto mail feedback feature
- Robust Data Analysis tool
- Monument Info page with monument details, ticketing cost, best time to visit, seasonal activities, and travel tips
- Specialities of Hotels and Eateries
- Notification for Places of interest in the vicinity
- Travel booking for train and flight

Day

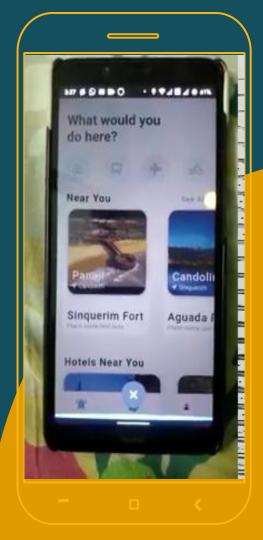
> Voice Support

Our app is made both more accessible and convenient to tourists who might be specially-abled. Without typing, users can interact with the app by voice command, which supports multiple languages. Users are assisted with where to go, what is best here, nearby places one could visit, and other recommendations. User can avail every app feature by voice command.



> Also, in a foreign language

We do have support for multiple languages in our voice support. Here's a quick demo



Multi-Language Support

A major portion of tourists who visited Goa are international tourists who may not be familiar with English. Our app supports the most popular languages so that language does not prove to be a barrier and everyone can interact with the app comfortably.



Monument Ticket Booking

Ticket booking becomes a hassle-free task with our app, which helps users to book their tickets online at any time from anywhere to visit monuments. Tourists can can choose how to experience Goa as they can select between guided and unguided tours and schedule their tour according to their plans.



Local Transport

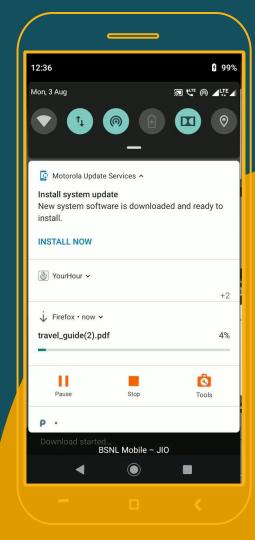
To add to user convenience, our app helps users book bus tickets and cabs to travel from their current place to the destination. The app updates the user about any difficulty on the road and suggests an alternate travel route to avoid troubles.





Travel Itinerary/Tips

One may not know what places to visit, what to carry, or what will be the best time to experience the beauty of a monument or a place. Our app helps you with that by creating a downloadable travel itinerary, both general and monument based, for a smooth sail.



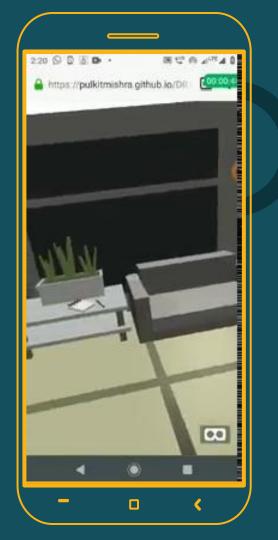
> Gamify user experience

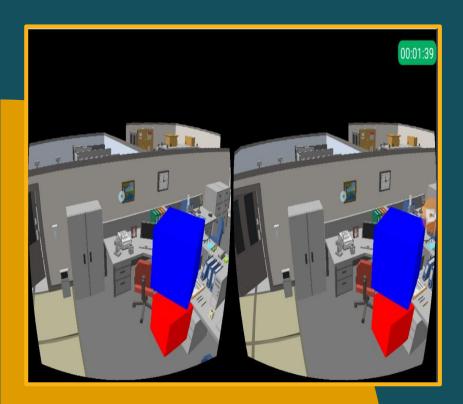
drive user engagement. Users achieve badges and scores by clicking photos and posting reviews. Users can level up their badges and scores by more interaction. This feature helps in boosting the creation of the knowledge base.

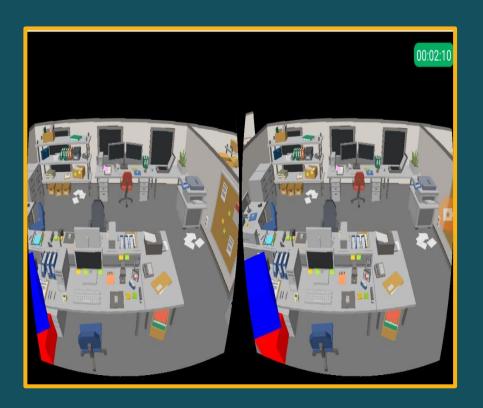


> VR Hotel View

Virtual Reality is a gateway to new market platform. Users can save time, money and effort by remotely viewing the hotel rooms in Virtual Reality before making a reservation. Tourists can relish the realistic scenario of each recommended hotel with 360°.







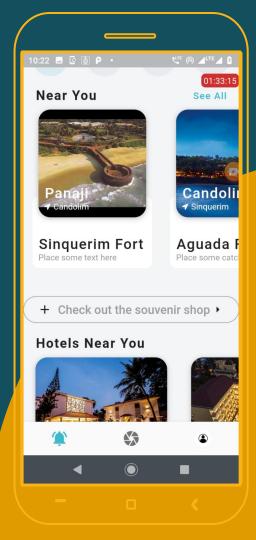
Offline Map

Our app was already able to identify landmarks flawlessly without an internet connection, now we introduce an offline map feature which loads and stores the map of nearby area and navigates even when internet service is lost.



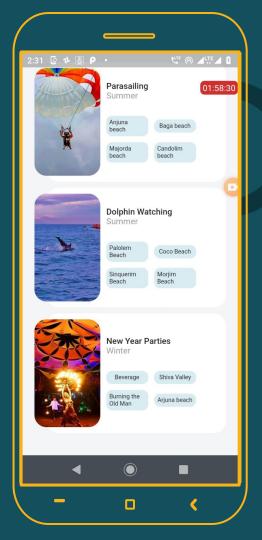
> Souvenirs Shopping

A local marketplace is a convenient way to buy souvenirs that are exclusive to that place. It also provides a local connection to the user. Our app tells the user about the nearby marketplace from where one can get souvenirs to remember the trip.



Seasonal Openings

Tourists love different activities according to the season of the year. We have a system that learns about these attractions over time and classifies them with respect to the season. So no matter when you are coming to Goa, we got you covered.



Specially-Abled Friendly

Travelling and touring is a challenge for specially-abled people. To assist in their struggles and give them an equal opportunity to enjoy the beauty of Goa, we have provided people with the information whether a given monument is accessibility friendly or not and provide information about accessibility friendly places.



> Blogs

People like to share experiences about different places they have visited. Blog feature in our app helps them to share beautiful experiences to let other users know about that particular places before exploring.



Work Distribution



Deep Learning: Pinki & Jyotika

App Development: Nimish & Aditya

DevOps: Satyam

Content & Presentation: Pulkit

> Future Work

- Contact with marketplace owner for inclusion of locals to the app too, and making it economically beneficial.
- We also want to include Inter-User chats and chatrooms, so that the traveler can communicate and build a community

Thanks!