

# Geo Fencing App for Kerala Tourism

## Concept

A travel app which provides accurate information, tips and warnings and appropriate services based on the location and activities of the tourist.

The core idea is to create an app which can provide instant local feed for the user based on user location, same time for the administrators of the app can really track the pattern and behaviors of the tourists to improve the experience. The location tracking system can be also used by the app administrators in case of emergencies and natural calamities.

As a whole the app gives user a SAFE and PLEASANT tour experience.

## What is GEO-FENCING?

Geofencing is a technology that defines a virtual boundary around a real-world geographical area. In doing so, a radius of interest is established that can trigger an action in a phone or other portable electronic device. Geofencing allows automatic alerts to be generated based on the defined coordinates of a geographic area

## Working of the App

Main screen of the app will have an interactive graphic map which shows user position and there will be markers pointing to different tourist attractions around him he can click on the map to get details and driving directions towards any spot around him

The live feed can have a variety of uses from providing weather forecasts to giving instant warnings based on his locations. This feature can ensure the safety of the tourist on various situations specifically in the cases of adventure tourism. The app will give instant warnings and precautionary measures based on the spot. Consider the user is in a forest road where night traffic is not allowed, the app will send warning messages to the user regarding the prohibition of night traffic. The app will help administrators to instantly alert users the code of conduct of each tourist spot when he enters the particular area

The user need not to be online all the time, geofencing can trigger stored messages based on the GPs location in case of GPS not available still it can work on RFID. In the case of tourist spots where there is no mobile coverage, software can be programed to deliver the message just before he leaves the coverage

## Features

- Location based feeds/ Alerts/ Warnings
- Get notifications about the places around
- Get directions towards nearby attractions
- Weather forecast
- Warnings and precaution measures for the adventure tourist by tracking user location and activities

