RESEARCH PAPER

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A VIRTUAL TOUR PLANNER - A PREDICTION

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Abstract: This application is about Tourism based on tableau software. Tourism is important in many ways- it can be for leisure, business, education, culture. Tourism industry is a fast developing sector for the economy worldwide. Tourism has become a popular global holiday activity. Tourism is a significant sector of Country's economy and increasing numbers of both domestic as well as International tourists have been very encouraging for the travel and hospitality sector. The tourism sector is also linked with important sectors such as transportation, infrastructure, and handicraft, which further helps in the growth and development of the country. The exclusive handicraft of the state is a big draw and appeals to all the tourists. The tourism sector place a great platform for transportation and hotels .The transportation is the primary promoter of civilization and it means carrying persons and goods from one place to another place physically. The Comfortable hotels and accommodation facilities play a very important role in popularizing any tourist destination and focus on maximum comfort for tourists. Besides contribution to the diversification of economic activities it also helps in peace and stability to myriad flavours in worldwide.

Keywords: Event Management, Data Visualization.

1. INTRODUCTION

Technically tourism is one of the easy money generating and blooming industry till date with very less investment required and for a very rapidly growing economic and developing country like India tourism is beacon of light. But without proper navigation information and proper tour guide of what to visit in this hugely diverse country is quite a difficult feat to manage so we are developing a proper guide of the most visited places in the southern part of the country constituting of 5 states and 2 union territories this guides allows the users to check the transportation available to visit the places desired, the proper accommodations available also a route map is available for generating a default route to visit the place with which the users can easily navigate without much difficulty with proper geographic coordinates this application provides the user with proper briefing of the place they would like to visit such as the proper fare they need to carry and it's importance also fair bit of do's and don'ts of the visiting place thus where the user can have a fair bit of idea on what to do and can plan the trip accordingly

2. DATA COLLECTION

This application is meant for showing a particular tourist spot at a particular location in a particular state based on Geographical representation [9][10]. This data application help's one to get perfect idea about hotels and resorts, travel services. In detail about the entry fee, visitor timings, rating for that particular tourist spot. It is easy to identify the spot by using a route map which was linked in the application [7]. The main goal of this application is to get full fledged data about a particular place that is chosen by a tourist.

Some of the attributes have been presented in this application they are:

S.NO	STATE	LOCATION	BY LAND
BY TRAIN	BY AIR	BY WATER	LOCATION TO TOURIST SPOT DISTANCE
FAMOUS FOR	TOURIST SPOT	LATITUDE	LONGITUDE
ENTRY FEE	VISITOR TIMINGS	RATING	ROUTE MAP
HOTELS & RESORTS	TRAVEL SERVICES	LAKSHADWEEP WEBSITE LINK	

3. TECHNOLOGIES USED

A. MICROSOFT EXCEL

Microsoft excel is a spread sheet developed by Microsoft for Windows, macOS, Android and iOS [1]. It features calculation, graphing tools, pivot tables, and a macro programming language [5] called Visual Basic for Applications. It has been a very widely applied spreadsheet for these platforms, especially since version5 in 1993. The Windows version of Excel supports programming through Microsoft's Visual Basic for Applications (VBA), which is a dialect of Visual Basic. Programming with VBA allows spreadsheet manipulation that is awkward or impossible with standard spreadsheet techniques. Programmers may write code directly using the Visual Basic Editor (VBE), which includes a window for writing code, debugging code, and code module organization environment. The user can also implement numerical methods in Microsoft excel.

B. MICROSOFT TABLUEA

Tableau is a data visualization tool [2] which is viewed by many disciplines as a modern equivalent of visual communication. Tableau also has a mapping functionality, and is able to plot latitude and longitude co-ordinates. It involves the creation and study of the visual representation of data, meaning "information that has been abstracted [5] in some schematic form, including attributes or variables for the units of information". The primary goal of data visualization is to communicate information[6] clearly and efficiently via statistical graphics, plots and information graphics.

C. FILE

The new option will be used for creating a tableau file and load all the necessary attributes into it. The tableau file will be saved with an extension: .tbsl .These files can be various types of format of data.

D. DASHBOARD

A dashboard is a collection of several worksheets and supporting information shown in a single place so you can compare and monitor a variety of data simultaneously. For example, you may have a set of views that you review every day. Rather than flipping through each worksheet, you can create a dashboard that displays all the views at once.

E. SERVER

Tableau Server public is the option where the tableau application is linked with the web application [2] to get the information. The Tableau Software is an online solution for sharing, distributing, and collaborating on content created in Tableau. Shareable. Create workbooks and views, dashboards, and data sources in Tableau Desktop, and then publish this content to the server.

F. MAPS

The application needs to visualize the data geographically; we can plot the data on a map in Tableau.

G. SERVER

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H. DATA PREPROCESSING

Latitude and Longitude are known[4] in every location on earth's surface[3]. Latitude is a measurement on a map of location north (or) south Longitude is a measurement on a map of location east (or) west. By taking this Latitude and Longitude it is used to spot a particular location at the tourist spot bythis application which is presented.
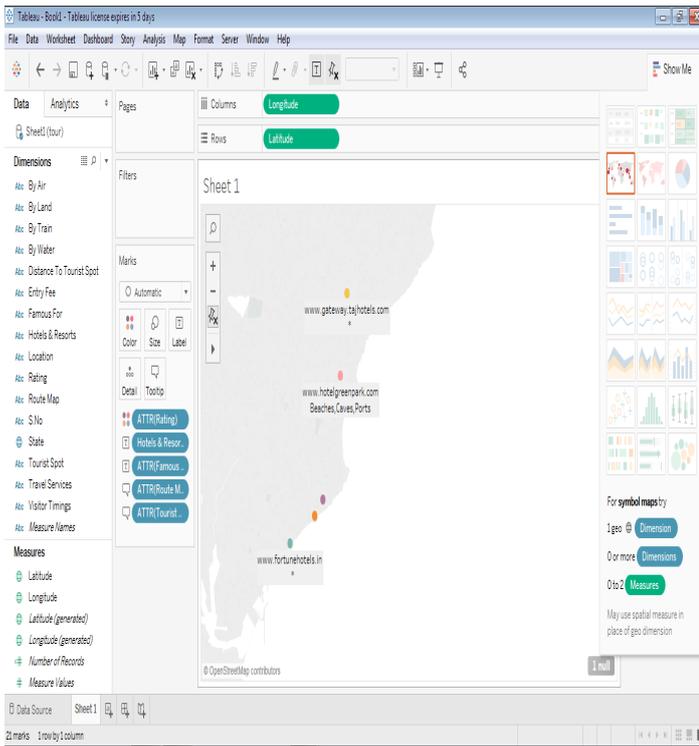
4. RESULTS

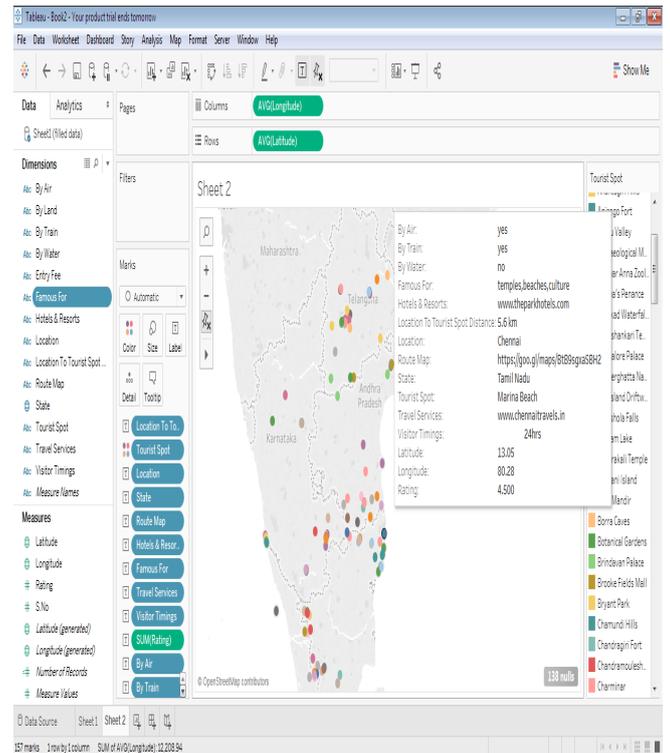Fig: 1.1 Shows the Facilities available for the tourists

Fig: 2.1 A tourist can reach the destination either by air, railway, water or land
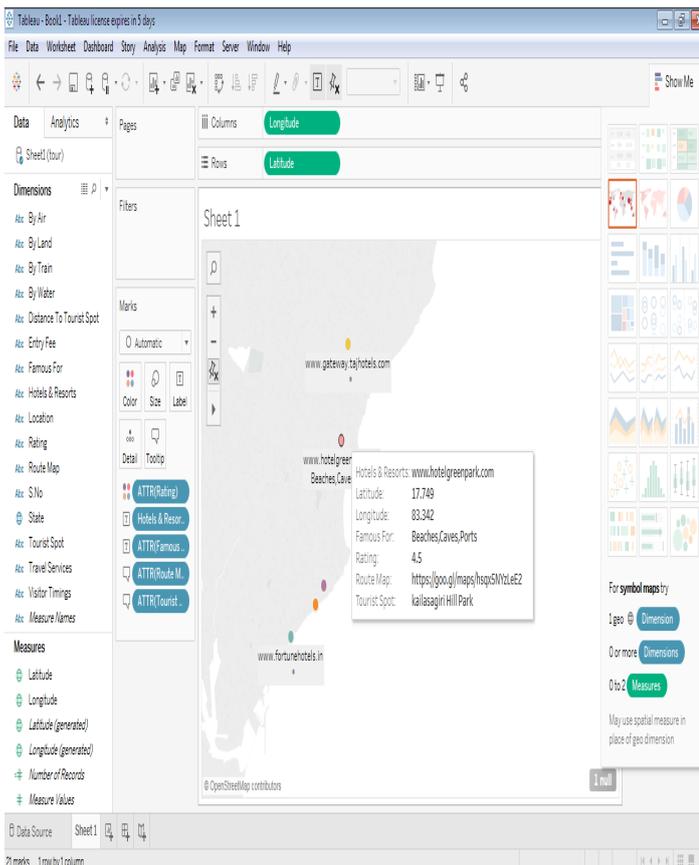

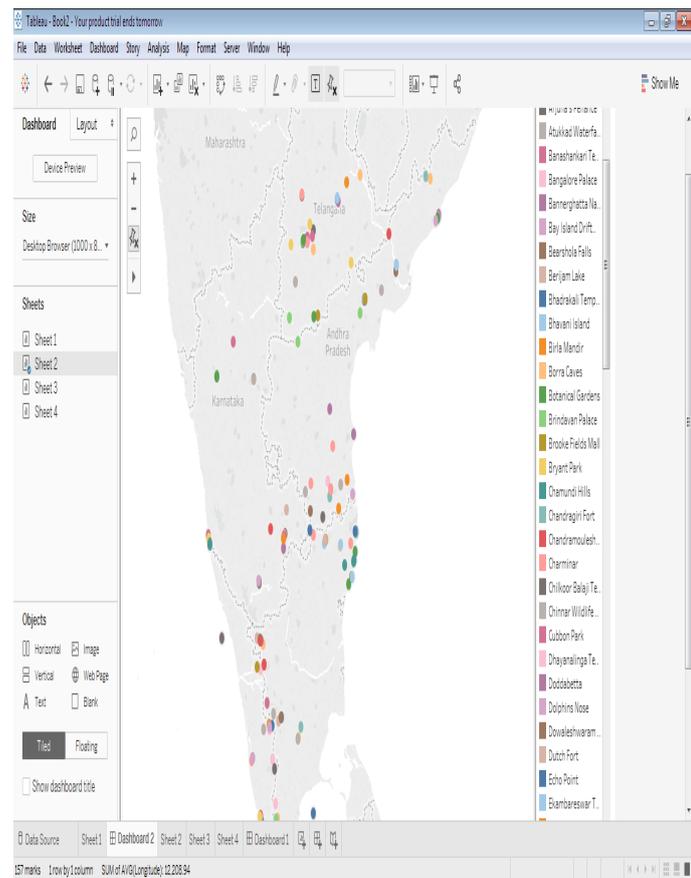Fig: 1.2 Shows the public rating of a particular tourist site

Fig: 2.2 Shows the entire mentioned tourist spots in the tableau application

5. CONCLUSION

The travel technology getting changed according to the changes enhanced in technology. The pictorial geographical representation use an easy way for the e-tourism. The travel technology includes virtual tourism is a significant sector of Country's economy and increasing numbers of both domestic as well as International tourists have been very encouraging for the travel and hospitality sector.

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