

# **AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER**

**DEPARTMENT OF COMPUTER ENGINEERING  
2021-2022**

## **Project Synopsis**

**On**

**“Smart tourist scheduler based on user’s interest  
using data mining”**



**BE COMPUTER ENGINEERING**

**BY**

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- **Title:**

Smart tourist scheduler based on/as per user's interest using data mining.

- **Domain and Subdomain:**

Data mining and Web Development

- **Objectives:**

- 1) To learn different algorithms to solve real time problems.
- 2) To help travellers who want to explore a city within a specific time period.
- 3) To develop a system with added features to show places based on the user's interest.

- **Abstract:**

The purpose of developing this system is to create a schedule for a traveller visiting the city and wanting to explore the city in a stipulated period. System then smartly analyses the questionnaire and creates a schedule for travellers based on provided time. First of all, a traveller needs to register himself by filling up the details. The application is capable enough to search the place automatically based on location. It also helps to find the nearby places of interest. This application aims to identify main computer needs, to support the improvement of tourist point of promotion for the traveller, by the means of our proposal. However, most recent tourists and travellers think that they want to know local charm peculiar to the land as well as a famous sightseeing spot. In order to achieve this, we propose a system that can automatically show a sightseeing route and plan in set time.

- **Keywords:**

Planning, Google Maps API, Firebase, Place and Location, Guide

- **Problem Definition:**

To create a virtual travel guide in order to provide tour information and plan which will take the number of traveling hours and traveler's interest as input and produce the tour plan as an outcome.

- **List of Modules:**

- 1) User Module- Via user module, user can make an account and can use it for future purpose and moreover get the latest updates totally.
- 2) Database Module- This module contains all of the data related to the structure, for instance, users that are enrolled in the framework, their details are enrolled in the structure. Timewise update of the database will provoke advantageous updation of information in the client's record also.
- 3) Admin Module-All the updates and wiping out of the information related to places and other information are revised by this module.

- **Current Market Survey:**

In the current market there are various apps for tourists to ease their tour but almost all apps only provide the booking facilities and some of them are providing just generalized tour plans(which you can easily find on browser) irrespective of user's interest and available time which is not feasible for every user. Also they are not providing GPS tracking in their general plan.

- **Scope of the Project:**

**Urban tourism :**

Urban tourism or also called City tourism is a form of tourism that takes place in the large human agglomerations, usually in the main cities or urban areas of each country. This project will facilitate urban tourism by giving its users the ability to plan their City tours based on their own preferences.

**Ecotourism & Rural tourism :**

Ecotourism is a form of tourism involving responsible travel to natural areas, conserving the environment, and improving the well-being of the local people. But in rural areas, lack of trained human resource is a common issue that directly affects the tourism and hospitality industry badly. Moreover, the trained people from urban areas normally are not interested in going to rural areas to work due to lack of basic infrastructure facilities. This affects tourism negatively, this project will side step the problems faced by the tourists by effectively reducing the need of a guide in this sector of tourism.

This project will make users able to know what points of their interest exist in the areas they want to visit.

- **Software and hardware requirements of the project:**

- 1)Hardware**

- RAM- 2GB(minimum)

- HDD- 5GB (minimum)

- Processor -Intel i3 processor or higher (or equivalent AMD processor)

- 2)Software**

- 1. Operating System: Windows 7 or higher

- 2.HTML

- 3. CSS

- 4. PHP

- 5. MySQL

- 6. Javascript

- 7. XAMPP/Wamp Server

- 8. Google Chrome(or any latest version of web browser)

- **Contribution to Society:**

The usage of this to society greatly reduces the time required to search for a place. Language will not be a barrier for any tourist or user of the site. It also leads to quicker decision making with respect to places to visit. The user can also find the paths to follow to reach the final destination in a map which gives a better view to the users. It will also save user's time and money spent in travelling between the places as the system will suggest the shortest route.

- **Probable Date of Completion:** 01/2022

- **Expected outcomes:**

- 1) To organize the tourist activity by defining the exact amount of time to be spent on each activity.
  - 2) Visiting popular and different places by taking the user's preferences.
  - 3) Visiting popular and different places by taking the user's preferences.
  - 4) To get help with language issues with their native language.

- **References:**

- R. Fatima, I. Zarrin, M. A. Qadeer and M. S. Umar, "Mobile Travel Guide using Image Recognition and GPS/Geotagging", 13th IEEE International conference on WOCN, Hyderabad, India, July 2016.

- Smart City Traveller Somanna P D, Suraj S Rao, Vinaykumar, Shuvam Prakash, G S Madhan Kuma,2018.
- <https://developer.Google Maps.com/docs/resources/categories>
- N. Ganganath, C.-T. Cheng, and C. K. Tse, "A constraint-aware heuristic path planner for finding energy-efficient paths on uneven terrains," IEEE Transactions on Industrial Informatics, vol. 11, no. 3, pp. 601–611,2014