

Shri Ramdeobaba College of Engineering & Management, Nagpur

Department of Computer Science And Engineering

Session: 2022-23 [VIII Sem]

Project Synopsis

PROJECT NAME : TOURIST RECOMMENDER SYSTEM

Problem Definition :

To create a web application that will recommend the places of interest to the tourists based on their previous travel history, allowing them to explore those locations in the shortest way possible within the time frame they have selected.

Project Objectives :

Every year, millions of people visit India, making it one of the world's most popular tourist destinations. Tourism in India has been seen as a major tool to bring about socio-economic development to the people of the country. India's tourism industry has grown steadily in recent years. Most of the tourists book through travel agencies, but they need to visit only those places that are decided by travel agencies. Also in order to assist tourists by giving them information about their travel destinations, recommendation systems have also been established in the tourism sector. Some of the systems aim to recommend the best destination places but one important challenge that these tourists face is that they only have a limited amount of time to see the places of their interest. The objective is to create a recommendation system that will use the traveler's previous travel history in order to recommend the best possible path that the tourist can explore within the stipulated period of time. The goal of the system would be to enhance the user's travel experience by suggesting destinations and activities that match their interests and preferences, and to help them discover new and exciting places to visit. Additionally, the system could also aim to assist tourism businesses by providing them with valuable insights into user behavior and preferences, and to help them target their marketing efforts more effectively.

Proposed Plan of Work :

February				March				April	
W1	W2	W3	W4	W1	W2	W3	W4	W1	W2
Planning									
Discovering Google Map API									
	Learning Django Framework								
			Integrating Python and Django						
				Backend development such as models, views and urls					
						Front end development			
						Making full-fledged Web App			
								Final Implementation	
								Report Writing	

Methodology :

Step 1: Setting up and enabling Google Map API's.

Step 2: Setting up Python code and Django framework.

Step 3: Running the web application on localhost. A login page will appear.

Step 4: Entering the credentials, the user will log in to the application.

Step 5: The application will recommend the places of interest to the user that match their interest based on their previous travel history.

Step 6: The user will select the time frame, after that the user will be able explore those locations in the shortest way possible.

Step 7: The final output will be the desired path presented on the map using Google Map API

Technology :

- Programming language : The app will be developed using Python.
- Django : Framework to integrate with python.
- SQLite : The application will use SQLite, a lightweight database engine, to store the user history.
- HTML / CSS : This will be used to create the application's layout.
- Javascript : It is used to construct interactive front-end web applications when incorporated in HTML.

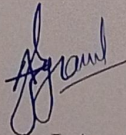
Functional Specifications [Deliverables] :

1. Recommendation : The web app will recommend the places of interest based on the user's past travel history.
2. Path finding Algorithm : Finding the best possible route exploring the desired places.
3. Route of travel : Displayed as final output on the Map.

Project Scope :

The scope of this project is to create a web application that will recommend the places of interest to the tourists based on their previous travel history thus allowing them to explore those locations in the shortest way possible within the stipulated period of time. Our motive is to provide a system that tourists may use remotely, quickly and easily allowing them to efficiently utilize their limited time so that they can spend most time on enjoying the tour instead of thinking about it.

Approved by :



Dr. A. J. Agrawal
(Project Guide and HOD of CSE Dept)

Submitted by :

Roll No	Name of Students	Name of Guide
1	Aditi Singh	Dr. A. J. Agrawal
16	Atharva Bisen	
44	Hemant Kumar Mishra	
73	Rajat Lanjewar	