 Project Based Learning-II

Batch: F03

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* Group members:

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* Title: Tourist Place Recommendation Website
* Motivation: Travelling and roaming around is in the top of bucketlist of most of the people in the world. But when it comes in real, people are not able to decide the best spots or places to visit. This was the main inspiration of this project as we wanted to help people to get the list of best places in one tap and help them plan their tour efficiently.
* Objective:

1. Making tourist places easily searchable and accessible.
2. Showing weather conditions to make planning feasible.
3. Recommending spots according to user interest.
4. Website designed such that, anyone can use it.
5. Along with showing the location, we also help guiding the traveller to reach that spot.

* Software and Hardware requirements:
* Software requirements:

1. OS – MS Windows 11
2. VS code
3. NodeJS
4. React modules of MapMyIndia
5. React module for speech recognition
6. Firebase

* Hardware requirements:

1. System Type - x64-based PC
2. Processor - Intel(R) Core (TM) i5-1035G1 CPU @ 1.00GHz, 1190 MHz, 4 Core(s), 8 Logical Processor(s)

* Theory/Short Description:

In the early days, to get an idea of where to visit, tourism books were available that gave the details about the respective tourist spots. Usually, most of these books were for tourist spots that were already popular among the general crowd and didn’t have information about lesser-known tourist spots. When people bought these books, they didn’t realise that these books would get outdated in the future. Moreover, it required time and money to find books for the location you wanted, and it required patience to browse through these books to find what you wanted and whether it was viable for you to indulge in the tourist activities given in the book. Storing so many of these books was also troublesome.

Peoples’ opinions are also taken for tourism. Information by people is not always reliable as places tend to evolve over time and those people may have visited those places a long time ago. Opinions of travel routes may be problematic when unexpected diversions appear on the road. What one person thought was an enjoyable spot might not be enjoyable for another. Also, some tourist attractions may be closed for maintenance, so if your purpose was to visit only that spot recommended by your acquaintance in a day, you might be in for a disappointment and your mood would be ruined.

Our website is aimed to eliminate these problems and more. We hope to make a website that will help users find their required tourist spots with ease, find niche tourist spots to explore, make it easy for travellers to decide whether taxis are viable or personal transport would be preferred, find the exact location of the desired tourist spot and directions to it, weather forecast to determine whether it is safe to go there, find places near the tourist spot like hotels, restaurants, souvenir shop, etc.

* Diagram

  Description automatically generatedFlowchart:
* References:

1. [Vesperr Bootstrap Template Demo (bootstrapmade.com)](https://bootstrapmade.com/demo/Vesperr/)
2. [Bootstrap · The most popular HTML, CSS, and JS library in the world. (getbootstrap.com)](https://getbootstrap.com/)
3. [MapmyIndia - India’s best maps | Bringing deep tech to Maps, Location Intelligence & IoT](https://www.mapmyindia.com/)
4. [Сurrent weather and forecast - OpenWeatherMap](https://openweathermap.org/)

* Conclusion:

Thus, our website will help people to find their desired tourist spot easily, make their travels without any difficulties, make accessing information about a tourist spot easy and rapid, provide reliable information and help decision making easier.