**A Project Synopsis**

**On**

**TOURIST RECOMMENDATION SYSTEM**

**In partial fulfillment for the award of the degree**

**of**

**BACHELOR OF TECHNOLOGY**

**In**

**COMPUTER SCIENCE AND ENGINEERING**

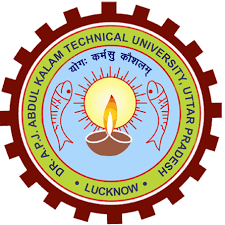
***Submitted by:***

**GROUP MEMBERS:** Ishita Shukla   (1701010065),

                                                     Shambhavi Rai  (1701010127),

Vaishali Singh   (1701010157)

**UNITED COLLEGE OF ENGINEERING AND RESEARCH (010) NAINI, PRAYAGRAJ**



**Dr. A. P. J. ABDUL KALAM TECHNICAL UNIVERSITY UTTAR PRADESH, LUCKNOW, INDIA**

**2019-20**

**INTRODUCTION:**

Recommender systems are used in many different domains. We mainly focus on the applications of tourisms. We provide a detailed and up-to-date survey of this field, considering the different kinds of ways, the diversity of recommendation algorithms, the functionalities offered by these systems and the use of data science (machine learning) techniques. Our survey also provides some guidelines for the tourist recommenders and suggests the most promising areas of work in this field for the upcoming years. Furthermore, various researches have been carried out on how to get information on tourism websites effectively. So smart intelligent tourism management system tries to overcome the gap by noting what a tourist perceives as relevant, in terms of connecting to tourism products in tourism websites. The study focuses mainly on content because it is seen as a major factor associated with an effective and smart website.

**OBJECTIVES:**

**PROJECT CATEGORY:**

       Our project comes under the category of Data Science in which we will mainly use the concept of machine learning through which machines can be made to learn explicitally,. We will also use the concept of web development for making our website.

**FEASIBILITY ANALYSIS**

**COST ESTIMATION**

**SOFTWARE REQUIREMENT SPECIFICATION**

**1.INTRODUCTION**

                   Our project is a recommendation system for tourist. Its main use is to make a tourist’s trip as comfortable and successful as possible. In this system we will use machine learning algorithms to make best recommendation for our tourists.

**TOOLS AND PLATFORM:**

Here we will use Python which is favored for its readability, good structure and high quality machine learning and data analysis libraries.

Platform to be used will be Anaconda

Other tools and libraries that will be used are NumPy, scikit-learn, pandas, matplotlib, tableau, RapidMiner.

**DATA FLOW DIAGRAM:**

1. **Level-0**

Booking

Management

Customer Management

Accommodation

Management

Transportation Management

Package

Management

**MODULE DESCRIPTION:**

The project is identified to have the following modules:

1. Administrator module
2. Travel module
3. Routes module
4. Transportation module
5. Accommodation module

**FUTURE WORK:**

User needs information for making decisions, at time when he himself/herself lacks information and knowledge for making those decisions then they depend upon different sources to collect the lacking information. Now collecting information from different resources is a big task when we have the power to use technology that makes the big task very easy for us, also nowadays people do things that saves their precious time so this system will basically help the tourists to plan their trip without wasting time in collecting information from different sources. They can find all the details they need about their accommodation, transportation, nearby markets, culture of the place, food and many more interesting facts related to the place.

**BIBLIOGRAPHY:**

[**http://flowingdata.com/**](http://flowingdata.com/)

[**http://hunch.net/**](http://hunch.net/)

[**http://blog.echen.me/**](http://blog.echen.me/)

<https://ai.googleblog.com/>

<https://towardsdatascience.com/>