

**Department of Computer Science and Technology**

**106408 – Artificial Intelligence and Expert Systems**

**Project Proposal on**

# AI in Tourism

**Semester:**​ 5​th

**Program:**​ MCS

## NAME

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### PROPOSAL

**Problem**

Often people get confused while planning for a tour. First of all they hardly know places where they can spend a good time. Further there comes money constraint.

**How AI work in the field of Tourism**

The capacity for artificial intelligence to perform tasks that have traditionally required human cognitive function has made it especially useful for those in the travel industry, because deploying AI can save businesses time and money, while potentially eliminating human error and allowing tasks to be performed quickly, at any time of the day.

Finally, it is important to understand that the applications of AI within the [travel and tourism](https://www.revfine.com/travel-and-tourism/) industry are not limited to customer service alone. In actual fact, one of its most popular and effective uses is for gathering and interpreting data in order to draw conclusions about customers, business practices and pricing strategies.

**Design**

A login page will appear initially and the user has to login in order to continue

1) If the user is new he/she will have to fill the registration form (username, password, email, firstname, lastname, etc.)

These details will be submitted in database.

2) After logging in, the user will get a screen with 2 tabs.

Tab 1 :  
1. It will contain a set of questionnaire which the user has to reply.  
2. Based on the answer provided by the user,an intelligent tree algorithm will run and 3 best results will be provided from the database.  
3.Clicking on each result will provide the user with the description of spots/locations along with the pictures.

Tab 2:  
This section will contain a autocomplete text field which will help the user to have manual search of the tourist spot or location around the country.

**Artificial intelligence**

Algorithm: Tree Algorithm

**Software Requirements:**

Windows Xp, Windows 7(ultimate, enterprise)

Visual studio 2019

**Minimum Hardware Requirements:**

Processor  P4

Hard Disk  40 GB

Memory  1GB RAM

**Week wise Distribution**

Week 1 : Create github I'd,Organization,Reopository

Week 2: Proposal on Project

week 3: Searching and Start template design.

week 4: Designing project

week 5: Designing Project

week 6: start coding

week 7: Apply AI Tree Algorithm

week 8 : coding

**Result:**

This system solves all problems of the client just by asking some questions. And it provides three best options that fit into users requirements along with the place details and facilities. It saves their money and time in finding and consulting a travel agency where they charge more.

**Applications:**

This system can be used in any travel agency system. Also it can be implemented in government tourism.

**Project Link**

https://github.com/ArtificialIntelligenceProject/AI-in-Tourism