**Smart Travel Recommendation System**

**Task Overview:-**

1. ***Problem Statement:*** Build a custom ML/DL model that provides personalized travel recommendations. Train the ML/DL model using real-world datasets or generate synthetic data. Also, incorporate contextual factors like location, weather, sentiment analysis to refine recommendations based on user mood and user demographics, while model building.
2. ***Data Selection:*** Use publicly available datasets or generate synthetic data for the given task. Ensure that the data is relevant, clean, and preprocessed.
3. ***Model Development:*** Train a machine learning or deep learning model suitable for your selected use case. Clearly outline your model’s architecture, training process, and optimization strategies. Optimize the model for accuracy, efficiency, or real-time application depending on the features used.