

Project Design Phase-I

Proposed Solution

Team ID : 592662

Project Name : AIRLINE REVIEW CLASSIFICATION USING MACHINE LEARNING

Maximum Marks : 4 Marks

Proposed Solution:

Table below shows the information about Proposed Solution.

S.No	Parameter	Description
1	Problem Statement	To develop an airline review classification system for effectively analyzing user-generated airline reviews.
2	Idea / Solution description	The solution utilizes classification models (Decision Tree Classifier, Random Forest Classifier, XGBoost Classifier) for pre-processing text data and classifying reviews. Airlines receive actionable insights by categorizing reviews into positive, negative, or neutral sentiment classes.
3	Novelty / Uniqueness	Uniqueness lies in applying classification models specifically to airline reviews, tailoring a system for the aviation industry.
4	Social Impact / Customer Satisfaction	Improves customer satisfaction within the airline industry by aiding airlines in understanding passenger sentiments and needs.
5	Business Model (Revenue Model)	Revenue streams can include Subscription Model, Pay-Per-Use Model, Customization Services, and Reports.
6	Scalability of the Solution	Highly scalable, capable of accommodating a growing number of airline clients and adapting to various review sources and languages.