Project Design Phase-I
Proposed Solution Template

Date	26 October 2023
Team ID	Team-592865
Project Name	Airline Review Classification
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The goal is to provide airlines with a tool that can efficiently process and categorize customer feedback to gain valuable insights, improve service quality, and address areas of concern proactively.
2.	Idea / Solution description	Comparing the suggested model to current airline review classification techniques reveals a number of advantages. It will first be able to classify reviews with greater accuracy. It will also be able to categorise reviews more effectively. It will also be able to categorise reviews written in different languages.
3.	Novelty / Uniqueness	Our project is special since it can exclusively serve the airline sector. Although sentiment analysis is a well-established topic, using it to analyse airline evaluations calls for expertise in the industry. In order to address certain pain points like in-flight experiences, ticketing, and customer support, we may need to incorporate domain-specific variables and modify the sentiment categorization model.
4.	Social Impact / Customer Satisfaction	The suggested concept will benefit society by enabling customers to select the airline that best suits their needs. Additionally, it will assist airlines in determining how to enhance their offerings.

5.	Business Model (Revenue Model)	We can take into account a number of revenue models to support like : Airlines can subscribe to the service and pay a monthly or annual charge dependent on how often they use it. Airlines may pay for each review that is handled by the system under the pay-per-use model. Model for Licencing: Airlines may obtain a licence to utilise the trained model internally.
6.	Scalibility of solution	We must consider scalability when we develop our solution so that it can meet the various requirements of many airlines. Cloud-based infrastructure are to readily scale computer resources, host the solution on cloud platforms. Implement effective pipelines for data processing in order to accommodate high review volumes. API Integration feature enables airlines to include the solution into their current workflows and systems.

6.	Scalability of the Solution	The scalability of the proposed solution for potato leaf disease classification appears promising. Leveraging machine learning and image processing techniques, it can accommodate a growing dataset of potato leaf images, making it capable of handling increased sample sizes without a significant increase in computational complexity. Additionally, the modular design allows for easy integration of additional disease types and improvements in accuracy as more data becomes available. This scalability is critical for adapting to changing agricultural conditions and continuously improving disease detection.