Project Initialization and Planning Phase

Date	15 March 2024
Team ID	team-739704
Project Title	Identifying Airline Passenger Satisfaction Using Machine Learning
Maximum Marks	3 Marks

Project Proposal (Proposed Solution) template

Identifying Airline Passenger Satisfaction project proposal outlines a solution to address the different problems faced by the passengers. With a clear objective, defined scope, and a concise problem statement, the proposed solution details the approach, key features, and resource requirements, including   software, and personnel.

Project Overview	
Objective	To enhance overall airline passenger satisfaction by addressing key issues identified in the problem statement.
Scope	The scope for addressing the problem statement of airline passenger satisfaction encompasses various dimensions and considerations. Such as technical scope ,service scope, communication scope, etc.
Problem Statement	
Description	Airline passenger satisfaction is a critical aspect of the aviation industry, reflecting the overall quality of service and experience provided to travelers. Despite advancements in technology and service standards, airlines continue to face challenges in meeting and exceeding passenger expectations.
Impact	Addressing airline passenger satisfaction positively impacts various aspects of the airline's operations, financial health, and market position. It creates a cycle of improved customer loyalty, enhanced reputation, and sustainable growth, reinforcing the airline's position as a preferred choice for travelers.
Proposed Solution	
Approach	Some of the approaches for improving Airline Passenger Satisfaction

	are: • Listen and Learn • Prioritize and Plan • Monitor and Adjust • Communicate and Engage • Take Action
Key Features	Highlight the unique aspects of the proposed solution

Resource Requirements

Resource Type	Description	Specification/Allocation
Software		
Frameworks	Python frameworks & Web frameworks	Flask
Libraries	Additional libraries	numpy, pandas, flask, sklearn(version -1.2.2),etc…
Development Environment	IDE, version control	Google colab, Visual studio code ,python version 3.12.4
Data		
Data	Training dataset, source code, Some data regarding airline passenger satisfaction	Dataset from kaagle, source code from dashboard,images from google