**Project Initialization and Planning Phase**

|  |  |
| --- | --- |
| Date | 15 March 2024 |
| Team ID | team-739906 |
| 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 |