**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 06 May 2023 |
| Team ID | NM2023TMID01136 |
| Project Name | Identifying airline passenger satisfaction using machine learning |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | Prediction | Prediction using ML and some sub-features (FIPS, Average Annual Count etc.,.) |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The system should have a user-friendly interface that allows airline professionals, researchers, and policymakers to easily interact with the classification model. |
| NFR-2 | **Security** | This includes secure data transmission, data encryption, access controls, and compliance with relevant data protection regulations such as HIPAA or GDPR. |
| NFR-3 | **Reliability** | Rigorous testing and validation processes should be in place to assess the reliability of the model |
| NFR-4 | **Performance** | The performance of the system should be optimized to provide efficient and timely results. |
| NFR-5 | **Scalability** | The solution should be designed to handle increasing data volumes, user demand, and future expansion. The system should be able to seamlessly scale up or down based on varying workloads without compromising performance or user experience. |