

Project Design Phase-I Solution Architecture

Date	1 October 2022
Team ID	PNT2022TMID15779
Project Name	DEVELOPING A FLIGHT DELAY PREDICTION MODEL USING MACHINE LEARNING
Maximum Marks	4 Marks

SOLUTION ARCHITECTURE

The below diagram illustrates the architecture of the solution proposed. The programming language that'll be used to analyse data and build the machine language is Python as it is easier to work on and has several built-in functions that is user friendly and fast enough to give the results.

The application will be built using Flask as it is a simple Python framework that can be used to build web applications. It easily encapsulates the trained machine learning model. The user interface will be built using HTML, CSS and JavaScript.

The attributes mentioned are the actual attributes that'll be taken into account for prediction in case of input data. The percentage of train and test data split will depend on the performance of the model during testing.

Solution Architecture Diagram:

