

SYSTEM AND METHOD FOR FLIGHT DELAY PREDICTION

This disclosure relates generally to a system and method to predict flight delay.

10 Moreover, the embodiments herein further provide the system and method to predict timings of an airline in real time by considering historical operations (arrival and departure) data, historical airport data (captured at the time of arrival and departure) including congestion information, and weather data of the airport. The flight delays involves prediction of arrival and departure times of flight.

15 Herein, the method categorizes input data related to an airline history, airline network, airport data and various airline reference data. Further, the method analyses the cause of delay which may be due to maintenance issues with the aircraft, fuelling, weather, congestion in air traffic, and security issues etc. The system and method computes the flight delay due to multiple airline operations

20 and different input datasets using stochastic approximation approach.

[To be published with FIG. 2]