

## Project Initialization and Planning Phase

Date	18 June 2024
Team ID	739634
Project Name	Flight Delays Prediction Using Machine Learning
Maximum Marks	3 Marks

### Define Problem Statements (Customer Problem Statement Template):

"In the context of commercial aviation, flight delays represent a critical issue affecting both passengers and airlines, leading to increased operational costs, decreased customer satisfaction, and logistical challenges. The problem revolves around identifying and mitigating the primary factors contributing to flight delays, such as weather conditions, air traffic congestion, mechanical issues, and scheduling inefficiencies, to ultimately improve on-time performance and enhance overall passenger experience."

<b>i am</b> traveller	<b>i'm trying to</b> arrive	<b>But</b> delays	<b>Because</b> weather	<b>Which makes me feel</b> Frustrated
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Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A frequent business traveler	Arrive on time to reach my destination promptly to attend meetings or events without delays	I encounter frequent flight delays due to weather, air traffic, mechanical issues	these delays are caused by weather, high traffic, maintenance issues, and scheduling problems.	frustrated and stressed due to uncertainty and missed commitments.