Ideation Phase
Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID27775
Project Name	Project – developing a flight delay predication model using machine learning
Maximum Marks	2 Marks

Flight Delay Prediction:

Flight Delay Prediction aims to predict the delay in the aircrafts due to increasing number of travellers in the recent times. An aircraft arrival is considered to be delay if the aircraft is late by over 15 minutes between the scheduled time and the arrival time. Flight Delay Prediction takes into consideration various attributes of the delay which includes scheduled time, source and destination of the flight, arrival time of the flight and departure time of the flight and many more attributes to predict the delay in the flight arrivals. These flight delays help the user massively to select the airlines, to select the source station and other economical aspects of the travellers. At the same time, Flight Delay prediction also helps the airlines to focus on the major reasons of the flight delay and minimize delay time on future occasions. Aviation industry are also benefitted with the help of the Flight Delay Prediction.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Passenger	travel to my native	the flight is getting late	of the unusual weather condition	disappointed.
PS-2	Traveller	Reach my destination on time	Flight delays	There is some issues in landing flight	Frustrated
PS-3	A traveller	Book flights on my phone	It takes long time	The website is not responsive and doesn't have a mobile version	frustrated
PS-4	Businessman	Reach the meeting zone on time	Flight delays	There is some weather issues	stressed
PS-5	Friends/families of passenger	Listening to flight up dation taken on and off details	the flight is getting late	The delay of previous flight to take off also result in other success flight delay	Confused about travel time