Project Title: Developing a Flight Delay Prediction Model using Machine Learning **Project Design Phase-I:** Problem Solution Fit **Team ID:** PNT2022TMID27643

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

Who is your customer?

-Travelers.
-Passengers.
-Businessmen.

6. CUSTOMER CONSTRAINTS CC

What constraints prevent your customers from taking action or limit their choices of solutions?

-Scope.
-Cost.
-Resources.
-Influence.

5. AVAILABLE SOLUTIONS AS

Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have?

-Have to change their schedule.
-Alternative plans.
-Pros – customer satisfied.
-Cons – may be able to affect next schedules.

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS J&P

Which jobs-to-be-done (or problems) do you address for your customers?

-be ready to change their schedules if they faces flight delays.
-if flight cancelled it affects passengers schedule then it

9. PROBLEM ROOT CAUSE RC

What is the real reason that this problem exists? What is the back story behind the need to do this job?

-Problem in Aircraft.
-Previous flight delay.
-Medical emergency.
-Bad Weather.

7. BEHAVIOUR BE

What does your customer do to address the problem and get the job done?

-they need solution for the problem.
-they think about the problem and stressed.
-became anxious and tension.

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS TR

What triggers customers to act?

-fear of being delay make them anger.
-loss of money.
-delay for their work trigger them.

4. EMOTIONS: BEFORE / AFTER EM

How do customers feel when they face a problem or a job and afterwards?

-Before- they are excited about their ride and happy for reaching their destination to do their job.
-After- they became stressed, depressed about the delay and been anger.

10. YOUR SOLUTION SL

If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality.
If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behavior

-By Building this application for prediction model that give prediction of flight delay using Machine Learning Algorithms which gives accurate flight delay. By this prediction we can able to known the flight delay earlier. So by this we can able to solve all the problem occurs and it will be solution for it.

8. CHANNELS of BEHAVIOUR CH

ONLINE

What kind of actions do customers take online?

-Try to get help from helpline, customer care.

OFFLINE

What kind of actions do customers take offline?

-Try to get help from officers, clerks, neighbors.

Identify strong TR & EM