Ideation Phase Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID04987
Project Name	Developing A Flight Delay Prediction Model Using Machine Learning
Maximum Marks	4 Marks

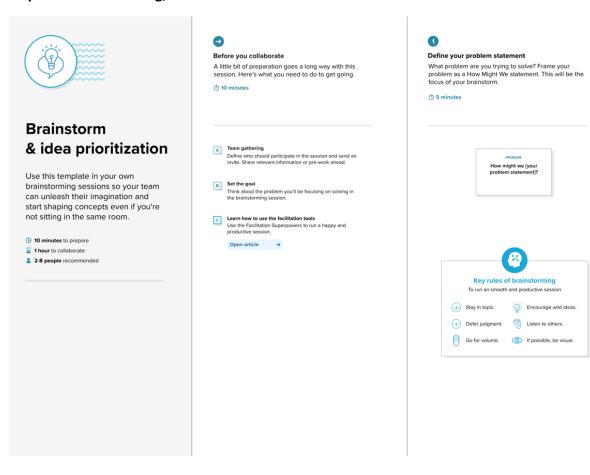
Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Reference: https://www.mural.co/templates/empathy-map-canvas

Step-1: Team Gathering, Collaboration and Select the Problem Statement



Step-2: Brainstorm, Idea Listing and Grouping



Brainstorm

Write down any ideas that come to mind that address your problem statement.

₼ 10 minutes

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Keerthanaa			Indhuja		Jeyanthi				Indhumathi					
Communication loss due to poor connection	Needed when there is heavy mist condition	Failures in ARTCC radars		Increased turbulence may lead to Aircraft Damage	Passengers' lives are at risk	Fog, Thunderstorm, Mist are some adverse weather conditions	Delay Catering in unwa expens airlin	results anted ses to	Results in Financial impact on airlines	Proper Schedule must be planned to avoid delays		Cargo affects mostly on passengers	Transportation department	Loading and unloading of ULD
TRACON's seperation mislead	It affects mostly on Pilot	Scured level of boundry		Results in Delayed Take-off	Affects both Pilot and Passengers.	Flights must be scheduled according to meteorological conditions.	Happy becaus late arri cater truci	se of ival of ring	Best Catering firm must be employed by the airlines	Have severe impacts on passengers' who have Health problems		May get delayed by Customs	Crew members are affected	To balance the delay crew has to work on extra flights
It affects mostly on passengers	Hospitality is greatly involved	Sudden landing of flight in midway for emergency		Affects the Pilot's Vision	Impacts include Shattered windscreen, Jet engine ingestion , engine failure.	Airplane colors and jet engine spinner markings help to repel birds	Prolony Security of will resu Disastisfic of custor	checks ults in ication	Affects mainly the passengers	Does not affects the airlines in any manner		When there is need of immediate flight	They could be over stressed due to this	Technical supporters are questioned
It occurs occasionally in emergency	During Takeoff and Descent	Sometimes it may lead to time delay for co passengers		Bird strikes occurs mostly during Landing Phase of the Flight	Affects the aircraft parts such as engines and windscreen which may lead to unavoidable expenses	Bird strikes are minor damage but may pose threats to safety.	Occurs mai due to secu breach ar termina evacuation	urity and al	Occurs in airports which follows strict checking procedures	Impacts Travelers' plans		Fuel tank capacity need to be ensured	Landing gear functions must be checked	Radars, safety measurements and ATC must be checked
Business class may get affected by this	Management is involved	Connecting passengers may take excess time		Waiting for Crew will affects mainly the passengers' travel plans	May leads to ticket cancellation by customers	A Backup Crew must be employed during the delay.	Causes to refue bagga loading	eling, age	Delays occurs mainly due to Transportation of fuel	Proper maintenance and Cargo handling		Overweight must be avoided	Need to alarm before it crosses flight envelope	Should have proper power backups
It is usually seen during business hour or festives	In the midway of travel	It needs to be fixed as it takes much time		Crew held up in Traffic and Crew reported sick.	Delayed arrival of crew will affects the reputation of the Airline Company.	Resting periods for crew must be planned appropriately.	Increa efficie aircr engir	ent of raft	Ideal Cleaning crew must be employed by airlines	Will affects the trustworthiness of the airlines		Must have more ways for proper flight function when there is mechanical problem	It must recognize the problem and to work without any permissions	It must give alerts to ATC when there is any malfunctions

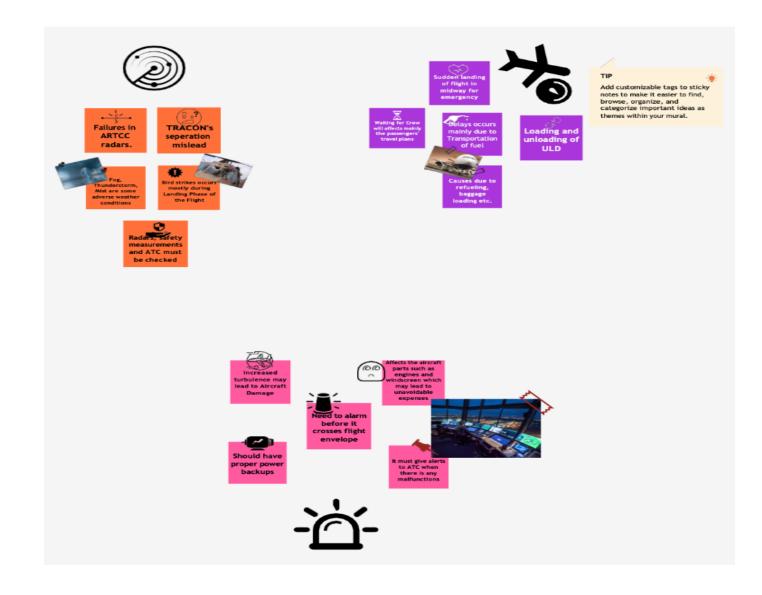
GROUPING IDEAS:



Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

① 20 minutes



Step-3: Idea Prioritization



Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

⊕ 20 minutes

