Ideation Phase Brainstorm&Idea Prioritization Template

Date	27 September 2022
Team ID	PNT2022TMID17971
Project Name	Project – Traffic and Capacity Analytics in Major
	Ports
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.

Brainstorm & Idea Prioritization for "Traffic and Capacity Analytics in Major Ports":

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



Brainstorm & idea prioritization

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.

10 minutes to prepare

1 hour to collaborate

2-8 people recommended



Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

Team gathering

Define who should participate in the session and send on invite. Share relevant information or pre-work aread.

B Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.

Learn how to use the facilitation tools
Use the Facilitation Superpowers to run in happy and productive session.



Define your problem statement

The Indian Railways has a capital base of about Rs. 1 lacs crores and is often referred to as the lifeline of the Indian economy. As it includes transportation of bulk freight and long distance passengers, traffic and congestion on rail இசி**ரிர்ந்திக்**comes a major challenge. Data analytics can be applied to visualize freight transportation and congestion on rail corridors across major railway ports to get better insight of the working of port network and to improve the port connectivity.

PROBLEM

To visualize freight transportation and congestion on reil corridors across major railway ports to get better insight of the working of port network and to improve the port

connectivity.



| Share template feedback



Brainstorm

Ideas related to the improve the port connectivity and to get better insight of the working of part network

① 10 minutes



Congestion

may causes

delay in

arrival of

goods

Track the

arrival and

departure of

each train

Visualize the

predicted

results

Preprocess

the dataset

Give some

new input

Kanchana

Track the status of goods

There is lack of sufficient data to predict the congestion

Collect the train information whether it is passenger or

freights train

collected information and produce output

Analyse the

To avoid the

congestion

in future

It is difficulty

to handle port

connectivity to

identify the

congestion

DeviPrabha

Choose the Deep Learning algorithm

Train the dataset

Check if the model correctly predict the results or not

Classify the

results

Collect the

dataset

Test the model by giving set of

datum

Visualize the result new input

Gokila

Track the arrival and departure of each train

Store the number of railway tracks in each port

Sometimes accidents happened

Shri Subrajah

Inform the arrival and departure info to all thepassengers in the port if there are any delays

Separate track for frieght train and passengers train

Create Model and give new inputs

Collect the images of each place

If there is a delay in departure

Inform the arrival and depature info to all the passengers in the port if there is delay

Then we can avoid congestion

test the

model

Choose the Deep learning algorithm

Train and

Collect the size of each location in in the port the port

delay the next train to arrive

> Use Cnn algorithm, analyze the output and visualise the results

> > Avoid accidents in the railway track by clearing the people in the tracks and platforms and giving signals

Avoid

accidents in

the railway

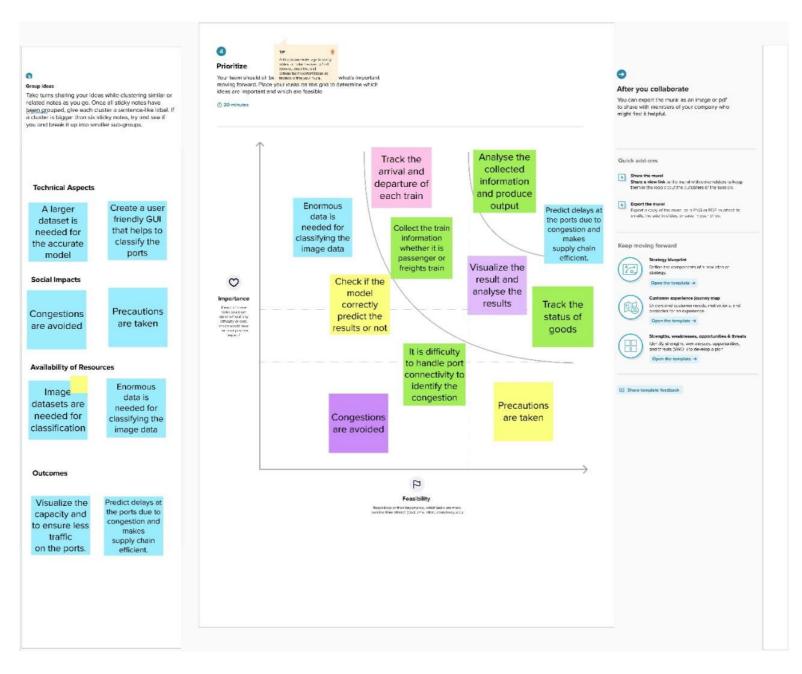
track by

giving signals

Collect the dataset and preprocess it

Visualize the result and analyse the results

Step-3: Idea Prioritization



Team Members:

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