

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	18 October 2023
Team ID	Team-591627
Project Name	T20 Totalitarian: Mastering Score Predictions
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://app.mural.co/template/94238f11-00b5-42c7-8374-b3dd7c7c0b76/ae150568-42bf-46cc-b205-2f4ba1bdb4ca>

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

Template



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.

⌚ 10 minutes

A

Team gathering

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

B

Set the goal

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

C

Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

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1

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

⌚ 5 minutes

PROBLEM

How might we develop a Machine Learning model that predicts the final score of the first batting team in a T20 cricket match using all the real time dynamics?

Key rules of brainstorming

To run a smooth and productive session

🗨️ Stay in topic.

💡 Encourage wild ideas.

⏸️ Defer judgment.

👂 Listen to others.

🗣️ Go for volume.

👁️ If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

⌚ 10 minutes

TIP

We encourage a sticky note and think aloud session to share it, and to build momentum!

S MD NUMAN MADANI

Evaluate how scores have changed over time.

Investigate how different pitch conditions affect the score.

Investigate any trends or patterns in player injuries.

Analyze the strength and depth of both batting and bowling lineups for each team.

Consider factors like dew, which can significantly affect the game in the evening.

Weather can impact the game, affecting factors like swing and movement for the bowlers.

Analyze top performing batsmen and bowlers in T20 matches.

Investigate the role of crowd support.

Examine the psychological impact of key players' absences.

Be aware of any trends in the decision making of teams winning the toss.

The loss of early wickets can put pressure on the batting side and affect the final score.

Smaller grounds tend to produce higher scores due to shorter boundaries, while larger grounds may result in lower scores.

M HEMANTH KUMAR YADAV

Use historical T20 Cricketmatch data for training Machine Learning Models.

Consider pitch conditions and dimensions to fine tune the score predictions.

Explore ensemble methods to combine the power of multiple machine learning models.

Use player performance statistics for accurate predictions.

Develop a real time prediction model to adjust forecast during live T20 matches.

Analyze how teams approach the chase. They come both batting and bowling. Prioritize your play strategy based on the situation and the role of the batsman.

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than the sticky notes, try and see if you can break it up into smaller sub-groups.

⌚ 20 minutes

TIP

And, remember to keep in mind by creating a new cluster for facts, figures, statistics and major or important ideas we haven't covered yet in all.

PITCH CONDITIONS

Investigate how different pitch conditions affect the score.

Consider factors like dew, which can significantly affect the game in the evening.

Consider pitch conditions and dimensions to fine tune the score predictions.

Player Statistics

Analyze top performing batsmen and bowlers in T20 matches.

Analyze the strength and depth of both batting and bowling lineups for each team.

Use player performance statistics for accurate predictions.

Prediction

Evaluate how scores have changed over time.

The loss of early wickets can put pressure on the batting side and affect the final score.

Step-3: Idea Prioritization

4

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

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H key** on the keyboard.

