

# Ideation Phase

## Brainstorm & Idea Prioritization Template

Date	10 November 2023
Team ID	592664
Project Name	T20 Totalitarian: Mastering Score Predictions
Maximum Marks	5 Marks

### Introduction:

In the dynamic pursuit of mastering T20 cricket score predictions through advanced machine learning in "T20 Totalitarian," this document introduces a strategic Brainstorming and Prioritization Map. Our clear objective is to predict batting team scores accurately, relying on judicious machine learning algorithms and feature extraction. This phase involves systematic organization and prioritization of crucial elements, shaping the success of our project. The map encapsulates our strategic approach to algorithm selection, feature extraction, and implementation, seeking your insights to ensure "T20 Totalitarian" becomes a benchmark in sports analytics and machine learning synergy.

### Brainstorming and Prioritization Map:

**Brainstorm & Idea Prioritization**

Use this template to your own brainstorming session. In your team, use this template to brainstorm ideas and start shaping concrete ones if you're not sitting in the same room.

1. **Before you collaborate**

1.1. **Define your problem statement**

1.2. **Brainstorm**

1.3. **Group ideas**


1.4. **Priorities**

1.5. **After you collaborate**

1.6. **Next Steps**

## 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

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

**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 a happy and productive session.

[Open article](#) →

**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**

The challenge is to enhance the accuracy and reliability of predicting T20 cricket scores for batting teams through the development of a comprehensive end-to-end machine learning solution. Current methods may lack precision and struggle to capture the nuanced features influencing T20 scores. The goal is to leverage machine learning algorithms to extract pertinent features from match data, providing a robust model that not only showcases the capabilities of machine learning but also significantly improves the predictive accuracy in the context of T20 cricket matches.

**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.



**Need some inspiration?**

See a finished version of this template to kickstart your work.

[Open example](#) →

## Step-2: Brainstorm, Idea Listing and Grouping

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### Brainstorm

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

10 minutes

TIP

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

#### Person 1

Explore advanced feature engineering techniques to extract nuanced information from player statistics, match conditions, and historical performance.

Utilize domain-specific knowledge to identify key features that have a significant impact on T20 scores.

Experiment with deep learning architectures, including recurrent neural networks (RNNs) or long short-term memory networks (LSTMs), to effectively capture sequential dependencies in the data.

#### Person 2

Develop an interactive and user-friendly interface for users to input match details, making the model accessible to cricket enthusiasts, analysts, and teams.

Optimize the model for scalability, ensuring it can handle a large volume of data efficiently, especially as the dataset grows over time.

Implement a Flask-based web application to provide a user interface for real-time input of match details.

#### Person 3

Create a platform for the cricket community to provide feedback on predictions, allowing continuous improvement and refinement of the model based on real-world insights.

Leverage CNNs to process image-like representations of match data, capturing spatial relationships for improved feature extraction.

Collaborate with cricket experts and analysts to gain domain-specific insights and refine the model based on their expertise in understanding the nuances of T20 cricket.

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### 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 six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your board.

Explore advanced feature engineering techniques to extract nuanced information from player statistics, match conditions, and historical performance.

Develop an interactive and user-friendly interface for users to input match details, making the model accessible to cricket enthusiasts, analysts, and teams.

Leverage CNNs to process image-like representations of match data, capturing spatial relationships for improved feature extraction.



### Step-3: Idea Prioritization



Link:

[Brainstorming and Prioritization map for T20 Totalitarian: Mastering Score Predictions](#)