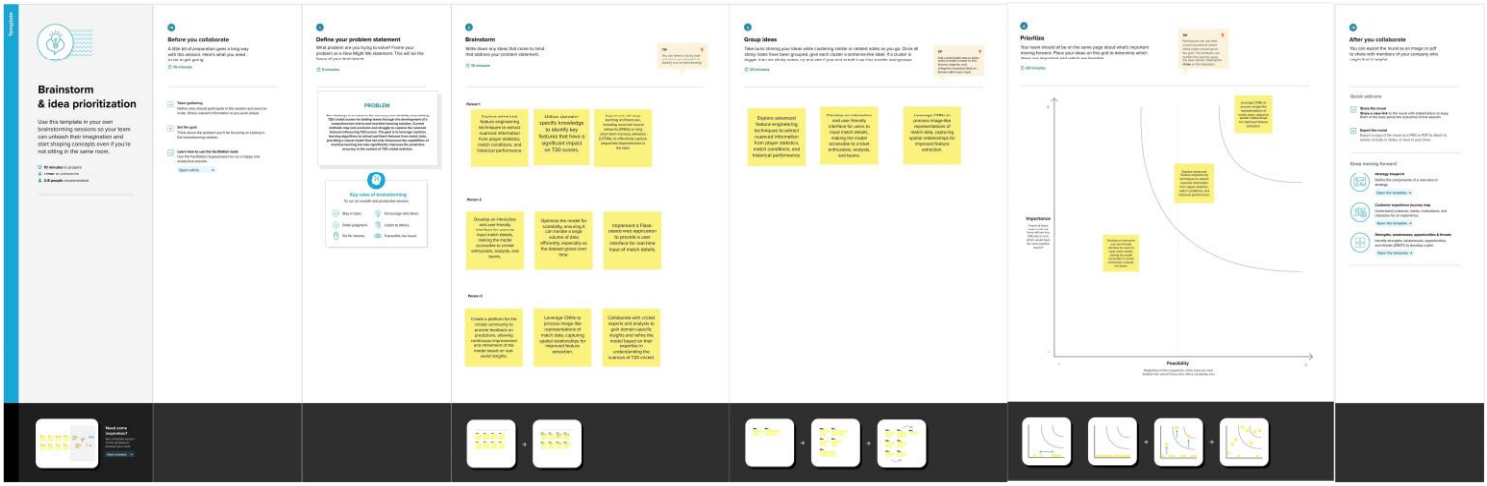
Ideation Phase
Brainstorm & Idea Prioritization Template

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:



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

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

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.

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 six sticky notes, try and see if you and 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 mural.

- 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