

Project Design Phase-I
Proposed Solution Template

Date	3 October 2022
Team ID	PNT2022TMID593080
Project Name	Project - T20 Totalitarian: Mastering Score Predictions
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The primary goal of the T20 Totalitarian project is to develop a cutting-edge, end-to-end machine learning solution capable of accurately predicting the T20 cricket scores of batting teams. By leveraging advanced algorithms and innovative feature extraction techniques, the project aims to push the boundaries of sports analytics and demonstrate the prowess of machine learning in predicting dynamic and high-stakes sporting events.
2.	Idea / Solution description	In summary, T20 Totalitarian aims to revolutionize T20 cricket score prediction by combining traditional metrics, real-time data, and social sentiment analysis through advanced machine learning techniques, ultimately providing a valuable tool for fans, analysts, and stakeholders in the cricket ecosystem.
3.	Novelty / Uniqueness	The uniqueness of T20 Totalitarian lies in its comprehensive approach to feature extraction and model training. Instead of relying solely on traditional cricket statistics, the solution integrates a diverse set of features, including player form, weather conditions, historical performance at the venue, and opposition team strength. This multi-faceted approach ensures a more holistic representation of the factors influencing T20 scores, setting it apart from conventional methods.
4.	Social Impact / Customer Satisfaction	Beyond its application in sports analytics, T20 Totalitarian holds the potential for significant social and business impact. Accurate score predictions can enhance the viewing experience for cricket fans, making matches more engaging and suspenseful.

5.	Business Model (Revenue Model)	From a business perspective, stakeholders such as betting platforms, advertisers, and team management can benefit from more informed decision-making based on predictive insights.
6.	Scalability of the Solution	The feasibility of the T20 Totalitarian concept is grounded in the availability of extensive cricket data, including player statistics, match history, and environmental conditions. Machine learning algorithms, such as ensemble methods and deep learning models, are well-suited for handling the complexity of cricket score prediction.