Project Design Phase-I
Proposed Solution Template

Date	25 October 2023
Team ID	Team-592649
Project Name	T20 Totalitarian: Mastering Score Predictions
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	In the realm of T20 cricket, Accurate prediction of T20 cricket scores is a challenging task due to the dynamic nature of the sport and the involvement of numerous factors that influence the outcome of match. Traditional prediction methods often lack the ability to capture the complex interaction between these factors, leading to suboptimal prediction accuracy.

2.	Idea / Solution description	This project processes an end-to-end machine learning solution that leverages the power of deep learning algorithms, specifically Convolutional Neural Networks (CNNs), to extract relevant features from a comprehensive dataset of historical match data, player statistics, and pitch conditions. These extracted feature will then be used to train a prediction model that can accurately predict the T20 score of the batting team.
3.	Novelty / Uniqueness	The uniqueness of this project lies in the application of CNNs to cricket score prediction. By harnessing the power of deep learning, the model can discern complex patterns in cricket match data, providing a sophisticated and innovative approach to T20 score predictions.
4.	Social Impact / Customer Satisfaction	Accurate T20 score predictions can enhance the overall experience for cricket enthusiasts, providing insights into match dynamics. Sports analysts, teams, and fans can benefit from more informed decision-making, ultimately elevating the enjoyment of T20 cricket. The user-friendly web application ensures accessibility, making it a valuable tool for cricket enthusiasts.

5.	Business Model (Revenue Model)	The business model revolves around offering the machine learning solution as a service. Potential revenue streams include subscription-based access to the predictive analytics platform, premium features, and collaboration opportunities with cricket teams for customized insights. Strategic partnerships with sports media and betting platforms can also be explored.
6.	Scalability of the Solution	The machine learning solution is designed with scalability in mind. As more cricket match data becomes available, the model can be retrained to adapt to evolving patterns and trends. The web application can handle increased user traffic, ensuring scalability in terms of both technology and user engagement.