**Literature Review Template Example**

**Definition:** A literature review is an objective, critical summary of published research literature relevant to your final project topic. Its aim is to create familiarity with research on a particular topic, and may justify future research into a previously overlooked or understudied area.

A typical literature review consists of the following components:

* 1. **Introduction**
     + A concise ***definition of a topic*** under consideration as well as the **scope** of the related literature being investigated.
     + Overview of the characteristics of the theme (***commonalities, differences, nuances***)
     + States the ***general findings*** of the review (what do *most* of the sources conclude), and comment on the availability of sources in the subject area.
     + The introduction should also note intentional ***exclusions***.
  2. **Main Body**
     + There are many ways to organise the evaluation of the sources.
       - Chronological and thematic approaches.
     + Each relevant study should be critically summarised and evaluated for its ***premise***, ***methodology***, and ***conclusion***. It is as important to address inconsistencies, omissions, and errors, as it is to identify accuracy, depth, and relevance.
     + Use logical connections and ***transition*s** to connect sources.
  3. **Conclusion**
     + The conclusion ***summarises the key findings*** of the review in general terms.
     + This section provides opportunity to ***justify a research/project proposal***. Therefore, the idea should be clearly re-stated and supported according to the findings of the review.
  4. **References**
     + As well as accurate in-text citations, a literature review must contain ***complete and******correct citations for every source*.**

**Machine Learning:**

**Title:** Predictive analysis and modelling football results using machine learning approach for English Premier League

**Description:** This paper predicts football results using machine learning, incorporating factors like goals per game, minutes played, and team budget analysis. Python is used for modelling. (Rahul Baboota & Harleen Kaur, 2019)

**Title:** Prediction of football match results using Machine Learning

**Description:** Aims to develop methods using numerical statistics of previous matches and player attributes for predictions. Tested for betting performance encouragement. (Fatima Rodrigues & Angelino Pinto, 2022)

**Title**: A Comparative Study of Data Mining Techniques on Football Match Prediction

**Description:** Explores data mining techniques like decision trees and Bayesian networks for predicting match outcomes. (Che Mohamad Firdaus Che Mohd Rosli et al, 2018)

**Title**: Sports analytics for football leagues table and player performance predictions

**Description:** Focuses on predicting player performance in football teams using machine learning. (Victor Chazan Pantzalis & Christos Tjortjis, 2020)

**Title:** Machine Learning models reveal key performance metrics of football players to win matches in the Qatar star league

**Description:** Investigates player performance in relation to winning matches using classification frameworks in machine learning. (Tanvir Alam & Jassim Almulla, 2020)

**Title**: Machine Learning in football betting: Prediction of match results based on player characteristics

**Description:** Uses machine learning to forecast football match outcomes and mentions significant returns of 1.5% per match. (Johannes Stubinger & Benedikt Mangold & Julian Knoll, 2019)

**Data Visualization:**

**Title**: Data Visualization of Football Performance Preceded to the Goal Scored

**Description:** Focuses on data visualization to enhance team performance, aiming to ascertain if match statistics help teams win. (Zulkifli Mohamad, 2023)

**Title:** Analysis and visualizations of team performances of football games

Description: Analyses team performances in football games, emphasizing goals scored and match statistics. Serves as an introductory guide to data visualizations. (Roberto Gásquez & Vicente Royuela, 2016)

**Title:** Data visualization of football using degree cardinality

**Description:**  Provides a taxonomy of sports data visualization for football, aiming to identify playing patterns and goals created in matches. (Imran Sainan, 2023)

**Title:** Implementing data analytics for football

**Description:** Utilizes data analytics tools to enhance football performance and provide coaches with potential play probabilities. (Harry Elkins, 2017)