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**Final Project**



3/21/2024 **Annual Review**

## **IPL Score Predicition Using Deep Learning**



3/21/2024 **Annual Review**

# AGENDA

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* PROJECT OVERVIEW
* WHO ARE THE END USERS?
* YOUR SOLUTION AND ITS VALUE PROPOSITION
* THE WOW IN YOUR SOLUTION
* MODELLING
* RESULTS

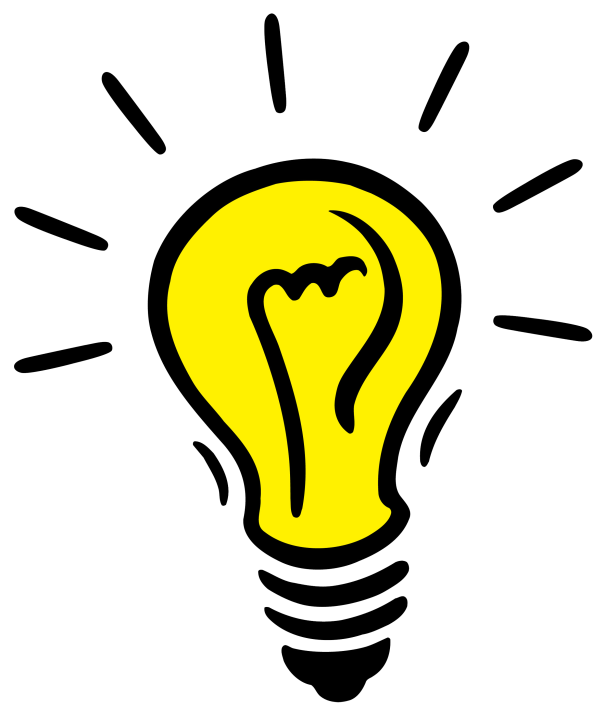
PROBLEM STATEMENT

Develop a predictive model using Deep learning to classify

and predict IPL(INDIAN PREMIER LEAGUE) Score using

deep learning techniques.

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PROJECT OVERVIEW

The IPL Score Predictor Model Using Deep Learning is an innovative project aimed at predicting

cricket scores in the popular Indian Premier League (IPL) using advanced deep learning techniques.

The project leverages historical match data, player statistics, and other relevant features to forecast the total score of a team in an IPL match. This review evaluates the effectiveness, methodology, and potential improvements of the project.

Overview:

* Introduction
* Objective
* Data collection and preprocessing
* **Deep learning model architecture**
* Model evaluation
* Deployment and user interface
* conclusion

**WHO ARE THE END USERS?**

* **Cricket enthusiasts**
* **Fantasy cricket players**
* **Coaches and analysts**
* **Media and broadcasting companies**
* **Betting and gambling industry**

**YOUR SOLUTION AND ITS VALUE PROPOSITION**



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1. By leveraging deep learning techniques and comprhensive IPL match data, the model provides accurate predictions
2. The model incorporates diverse features such as players statistics, match venue, and weather conditions to generate predictions.
3. Users, include cricket enthusiasts, fantasy cricket players, coaches, analysts, and team management, can leverage the predictions generated by the model to make better informed decision
4. The automated nature of the IPL score predictor model streamlines the process of generating score predictions, saving users time and resources compared to manual analysis and prediction methods.
5. By harnessing the power of advances deep learning techniques and users can gain a competitive advantage in the realm of cricket analytics and IPL match prediction

THE WOW IN YOUR SOLUTION

* **Unprecedented Accuracy :** the models remarkable accuracy in predicting IPL match score is the standout
* feature in our model. By employing advanced deep learning algorithms,
* **Real time predictions:** the ability of modeling is to provide the rreal time live predictions during thr
* live match is going on is the most immpresseive thing in our model.
* **Cost and Resource Savings:** This not only reduces IPL prediction but also optimizes resource allocation
* and enhances the overall efficiency of prediction delivery.
* **Granular insights :** beyond predicting the match scores , the model offers granular insights into various
* aspects of IPL matches .
* **Versatility and adaptability:** the versatility and predictability of the model extends beyond score predicictors for individual matches.
* **Innpovation integration: the inytegration and edge od cutting-edge deep learnring techniques with comprehensive IPL match data represents a pioneering approach to cricket analytics..**

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# MODELLING

Certainly! Here are the steps involved in modeling for IPL score predictioning using deep learning techniques are:

1. Data preparation.
2. Feature engineering.
3. Model selectrion.
4. Model architecture design.
5. Model compilation.
6. Model training.
7. Model evaluation.
8. Hyperparameter tuning and optimization.
9. Final model evaluation.

RESULTS

* ****Accuracy:**** the primary metric for evaluating the model’s performance can be compared against baseline models.
* ****Comparative ananlysis:**** the models performance can be compared against baseline models or traditional statistical methods to assess its superiority.
* Cross validation results: cross validation techniques , such as k-fold cross validation ,may be employed in models robustness .
* ****F1-score:**** The harmonic mean of precision and recall, providing a balanced measure of the model's performance.
* Visualization of predictions: visualizing the models predictions against the qualitative analysis of the models prediction is essential.