

# Cricket Analytics

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# Earlier Research

- Earlier work has been done where factors like batsmen's runs, strike rate, co-players stats, bowler's stats are taken into consideration.
- Accuracy achieved by the previous papers is less and only ODIs are considered for the predictions.
- Factors like batsmen's 50s , bowler's 3,5 wicket hauls are not considered.
- The system already present are for already capped players, while we propose the system for the relatively newer players who may or may not have played for the country yet.

# Problem Statement

- There are always a number of baseless predictions going around during cricket matches in India. Usually these are on the basis of the players performance in the last one or two matches.
- We propose a system which can make calculated predictions on the rising stars in cricket based on data we will use from the different tournaments and make accurate predictions.

# Database

- We will be creating our own database where we will be considering data from various websites
- Data from trophies like IPL tournament, U-19 games etc will be taken.
- We will try to get the data of Vijay Hazare , Ranji games.
- The statistics of the matches will be taken and then stored.
- This data will be used for training testing part of our system.

# Proposed Solution

- **We propose a model for prediction where factors such as players 50s, 3,5 wickets of bowlers, number of matches played, co-players performance, every factor will be considered.**
- **Predictions will be made for bowling, batting and all-rounder domains.**
- **We will make the system where the current new players will be analysed based on different parameters and their future will be predicted.**
- **The system will even suggest which current Team India player will be replaced by the rising star of that domain.**

# Applications

- This system can be used for different sports predictions by making some tweaks and changes.
- Similar models can be used by different countries for predicting their rising cricket stars using their data.

# Related Work

- [Rising Star Evaluation Using Statistical Analysis](#)
- [Prediction of Rising Stars in the Game of Cricket](#)

Thank You!