

## **Project Title :**

Shakib Al Hassan's Performance Prediction

## **Developed By:**

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## **Language : Python**

**API :** Python Tkinter

## **Project Description :**

We are developing a prediction system for the number 1 all rounder in Cricket Mr. Shakib Al Hassan. Our Software will predict his performance in base of his past performances.

## **Methodology :**

We obtained all his scores and wickets against individual teams by a normal calculation. Then we used some probabilistic formula to predict how many runs he will score and how many wickets will he get by giving how many runs in next match against a single team. We focus on 2 things . Frist one is how many runs and how many wickets he will get.

For predict his runs :

$$\text{Run} = (\text{Total Average} * X) + (\text{Opponent teams average} * Y) + (\text{Recent Average} * Z) + (\text{Bonus} * A)$$

Here, X is a perimeter. We calculate this from total runs by using probability.

Y is another perimeter. We calculate this from his runs against opponent team.

Z is another perimeter. We calculate this from his recent performance.

A is another perimeter. We calculate this from opponents performance.

For predict his wickets and given runs,

We used another methodology based on ranking probability.

## **Conclusion :**

Prediction a players performance is not a simple task. For getting more better prediction its need to use more and more perimeters.