# SUPER 11

## CSE 6242 A,Q - Data & Visual Analytics Project Proposal

**SUPER 11 (TEAM 02)**
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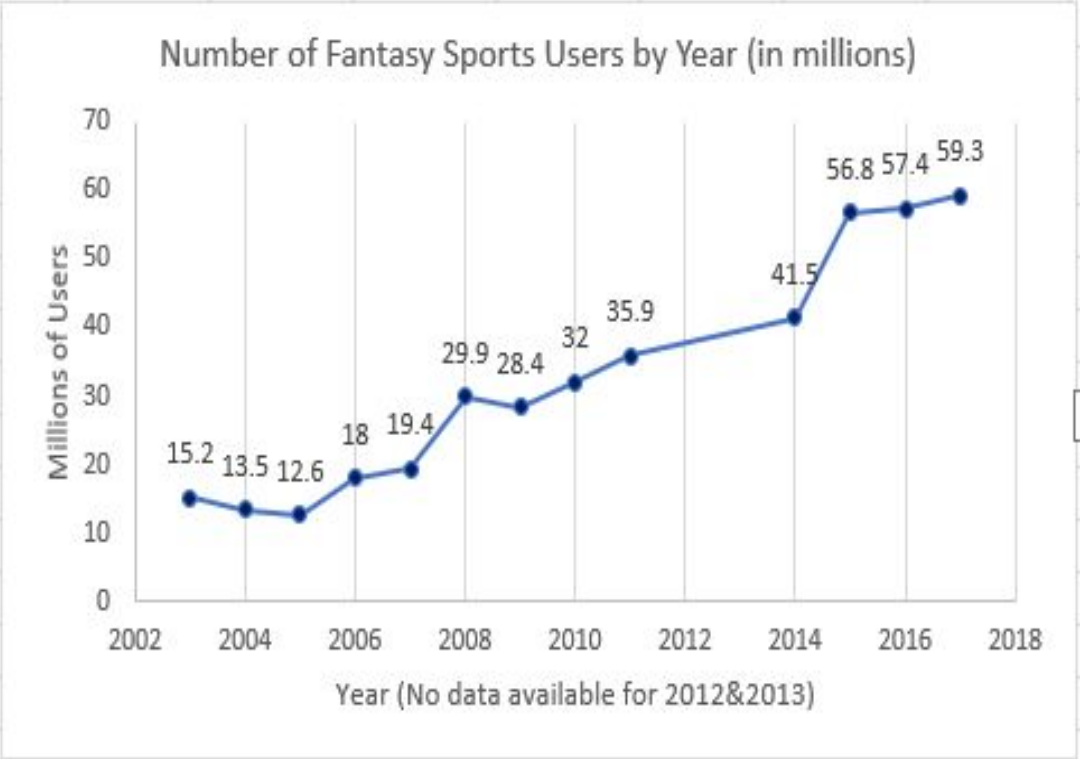
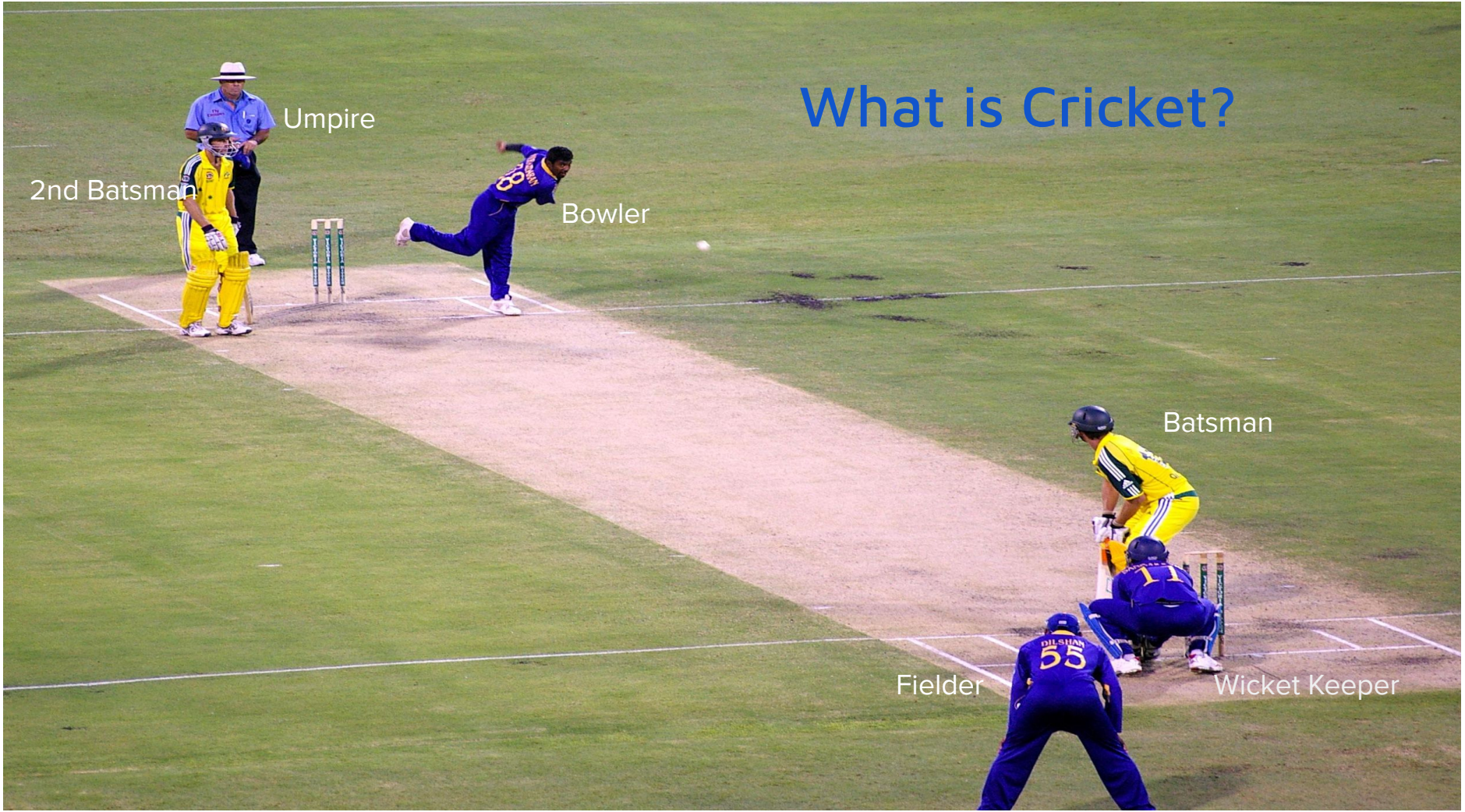
# Background - Fantasy Premier League

Picking a set of players to form a team by anticipating the performance of each player in the upcoming match. Participant with the best team wins a reward.




What is Cricket?
Umpire
2nd Batsman
Bowler
Batsman
Fielder
Wicket Keeper

# Problem Statement

We aim to select the best 11 players for a fantasy cricket league from the two playing teams based on past player performance under the specified budget constraints

# Significance

- Dream Team - The Billion Dollar question before every match
- Hours spent before each match to build a decent team
- Novice has a chance to win contests
- Our approach suitable for player selection in dynamic auction environments

# Related Work

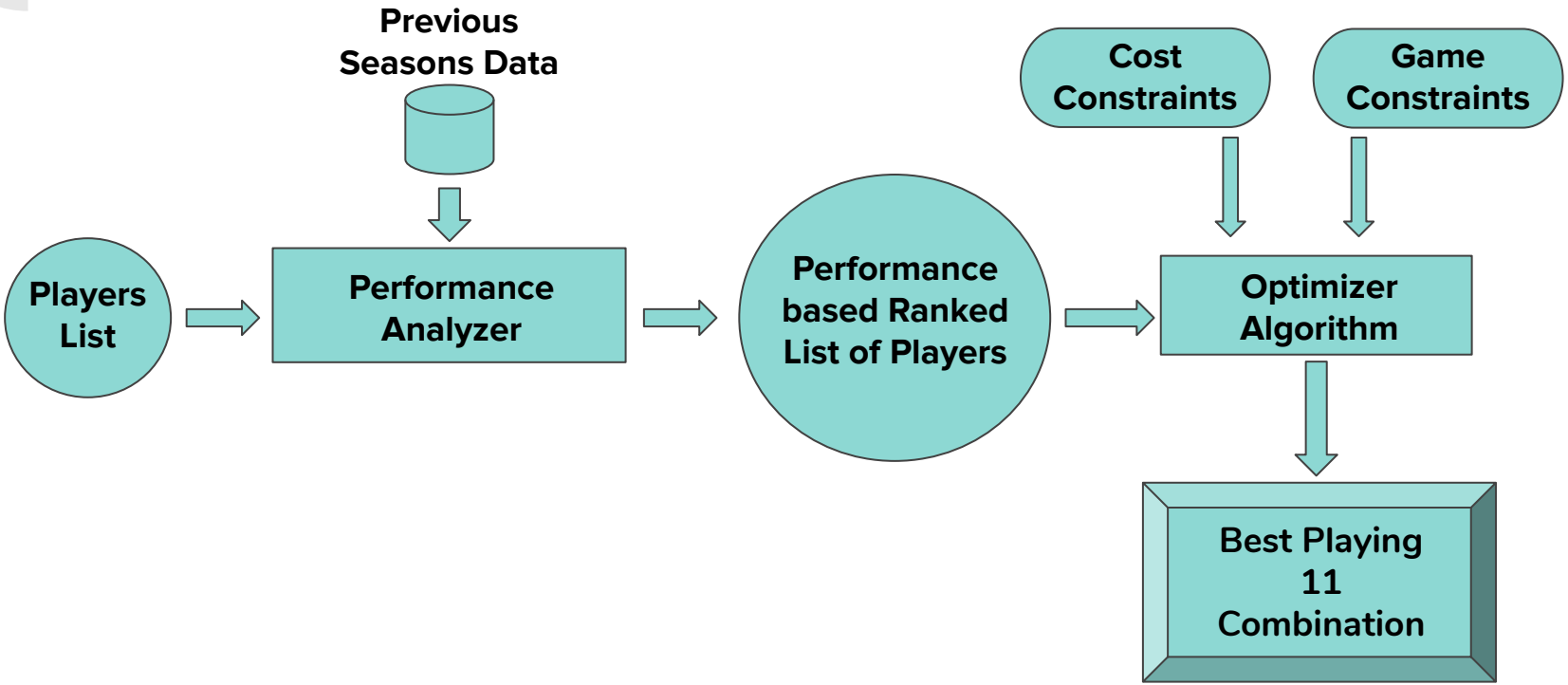
- Analysis of Team Performance
- Prediction of Match Outcomes
- Player Selection

*Detailed review on related work is present in project proposal

# Gaps in Past Research

- Previous work mostly concentrates on aggregating cricket data and visualizing performances for players
- A large part of the work assists in selection of a single team in cricket , and is generally not adaptive
- There is limited research in the area of Fantasy League Cricket team selection

# Our Approach



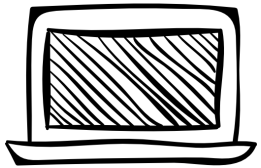
# Time & Cost

## 200 hours

Total Project Duration
50 hours / team member

## $1450

Total Project Estimated Cost
$7.25 Federal Minimum Wage 2019
200 hours X $7.25 / hour = $1450
+ Amazon Educate Free Cloud Credits
+ Personal Laptops



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# Timeline & Milestone

| Due Date | Work Expected to be Completion by the Due Date |
|---|---|
| 7th Oct 2019 | Literature Survey & Project Proposal |
| 21st Oct 2019 | Design Finalization & Data Pre-processing |
| 4th Nov 2019 | Evaluate Multiple Data Analysis Models & Interpreting Results |
| **8th Nov 2019** | **Design & Implementation of Training Model for Team Performance Midterm Milestone Presentation & Report** |
| 18th Nov 2019 | Implementation of Prediction Model, Development of UI & Data Visualisations |
| **3rd Dec 2019** | **Final Project Poster Presentation, Evaluation of Prediction Model & Fine Tuning Player Selection Model** |
| **9th Dec 2019** | **Final Project Report** |

# Thank you

We are open to questions & suggestions