

PROJECT STATUS REPORT

Project Name	4th Umpire	Reporting Period
Sport	Cricket	5/6/23-25/7/23
Team members	Sanath Kumar R- PES2UG21CS474 Sujal S-PES2UG21CS548 Sufiyan Pasha-PES2UG21CS545	

HIGHLIGHTS

- Collected data for Gujrat Titans and Lucknow Super Giants teams and added them to the dataset because these two franchises were missing in the original dataset.
- Added many pages to the web interface such as About, Info, Venues, Teams, Season, where each page contains brief details about their respective section along with many high pixel images.
- Added Team logos, when the user selects a team the respective logo will be displayed on the screen.
- Graphs for the projected and actual score was added in the ML Model
- The current run rate section was added.
- Predicting accurate first innings score is completed and merged with Web interface
- Predicting Score for intermediate Overs has also been implemented using Time Series Forecasting
- Different factors such as Run rate, Weather ,Venue ,Team History, Individual Player Statistics ,Current Wickets, Runs and wickets scored in previous overs and many more have been included to predict the First innings Total and intermediate Scores
- Dynamic Win probability prediction based on the current situation also also been implemented by taking the current situation(overs ,runs and wickets) into account.

CHALLENGES

- Collecting dataset(Web Scrapping)
- Final Outcome partially depends on Luck, Injuries ,Weather Conditions and we are trying to overcome this Challenge on a serious note

STATUS UPDATES

Task or Deliverable	Task Owner	Status	Notes
Predicting First Innings Score with ML algorithms	Sanath Kumar R	DONE	
Integrating it with Web Interface with many Streamlit features	Sujal S		
Data Collection	Sufiyan Pasha		
Integrating ML model of dynamic win probability predictor with web interface	Sanath Kumar R		
Final Outcome partially depends on Luck, Injuries and we are trying to overcome this Challenge on a serious note	Sujal S	STUCK	
Score Predictor and Jupyter Notebook File has been added to the Github repo	Sufiyan Pasha	ARCHIVED	

NEXT STEPS

Improving web interface with many features along with dynamic probability predictor

Action Items

Task or Deliverable	Task Owner
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Integrating the ML model with web interface	Sanath Kumar R
Improving the web interface with many features	Sujal S Sufiyan Pasha

Pending Issues

Final Outcome partially depends on Luck, Injuries and we are trying to overcome this Challenge

Mentor in charge

Faculty in Charge-Dr.Bharathi ,Dr.Sandesh

Comments given by the faculty-Predicting Score for intermediate Overs

Use Time Series Forecasting

Add More features to the Web Interface Model