**DOCUMENTATION**

**On**

**LiveIPLUpdates**

**Twitter Bot**

**Submitted By**

**-Harrithha B**

**(200010018)**

**CONTENTS CONTENTS**

**1. Problem Statement 1**

**2. Functioning of Modules in program 2**

**3. How to test my program? 3**

***PROBLEM STATEMENT***

**With the ongoing pandemic, people are trying to find little happiness in their daily routine. Cricket is a religion in India and IPL is like a temple. IPL provides people with some form temporary satisfaction. Our goal is to create a Twitter Bot that regularly posts IPL score updates.**

***FUNCTION OF VARIOUS MODULES***

**IMPORTS :**

1. **Requests : The inbuilt module which is used to connect our program with the web servers over the Internet.**
2. **Tweepy : This module is used for tweeting and performing many other functions from our program.**
3. **Beautiful Soup : It’s used to scrap data from the websites in a structured format.**
4. **ApiKey : This file contains the secret tokens required for uniquely identifying and connecting to our twitter account.**
5. **Iplapi : Contains the function live\_scores() which scraps data from the website in a systematic way and tweets the live scores as and when it is updated.**
6. **Time : Used to periodically tweet live scores every 5 minutes. However, if the score does not change even after 5 minutes, it will not tweet as a tweepy error of duplicate status will be generated which will be caught in the except block and will continue the loop.**

**WORKING OF CODE(live\_scores()) :**

* **First it checks for ‘div’ tag with class name ‘match-info match-info-FIXTURES’ under which it looks for**

**Status = Red i.e if it’s a Live Match.**

* **For each team in ‘team-detail’ it takes in details of team-name and score and outputs in the format:**

**TeamA ScoreA vs TeamB ScoreB**

***HOW TO TEST THE BOT?***

1. **Update the API Keys in the apikey.py file as per your Twitter Account values.**
2. **Run the bot.py file when any live match is going on in the** [**https://www.espncricinfo.com/live-cricket-score**](https://www.espncricinfo.com/live-cricket-score) **website.**
3. **It should print ‘Authentication OK’ if the api keys are correct in the console of the program.**

****

1. **Following this, it will tweet the live scores in the following format:**

****