**PGP Data Science Engineering**

**Numpy, Pandas, Visualization – Mini Project**

**Numpy**

For Numpy, refer Numpy.ipynb.

**Pandas, Visualization**

**Data: ipl.zip**

The dataset contains 2 files: deliveries.csv and matches.csv. matches.csv contains details related to the match such as location, contesting teams, umpires, results, etc. deliveries.csv is the ball-by-ball data of all the IPL matches including data of the batting team, batsman, bowler, non-striker, runs scored, etc.

**To Do:**

1. Import the necessary libraries and read the data.
2. Drop any columns that you deem unnecessary for analysis.
3. Answer the following questions. Support your answer with appropriate visualizations.
4. How many matches we've got in the dataset?
5. How many seasons we've got in the dataset?
6. Which Team had won by maximum runs?
7. Which Team had won by maximum wicket?
8. Which Team had won by closest Margin (minimum runs)?
9. Which Team had won by minimum wicket?
10. Which Season had most number of matches?
11. Which IPL Team is more successful?
12. Has Toss-winning helped in winning matches?