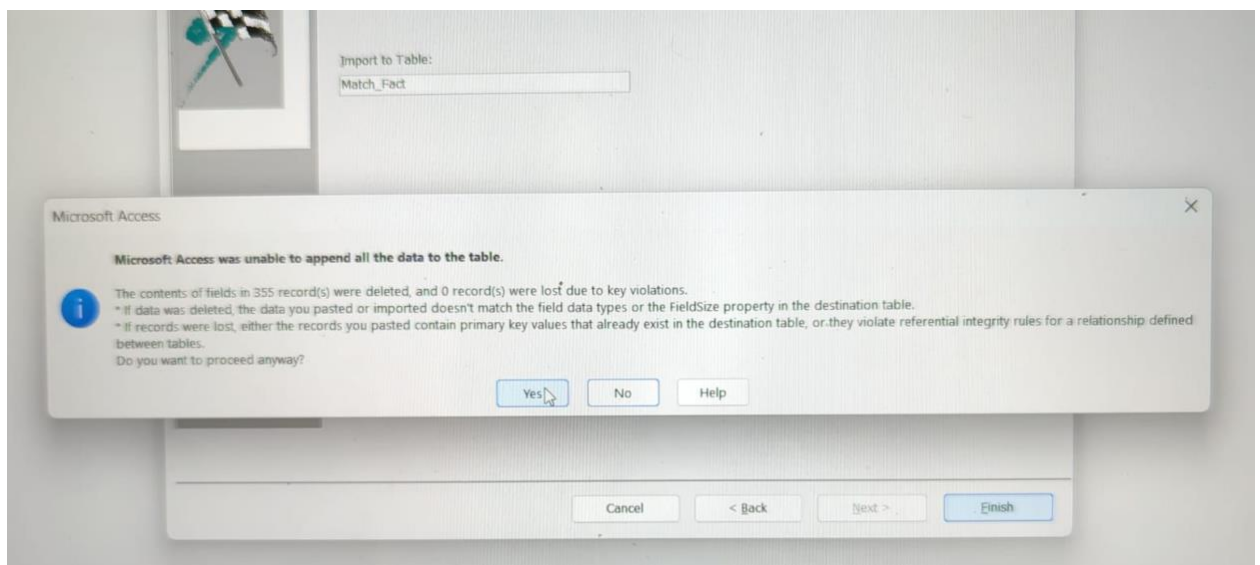# ISM545 – Capstone Project – IPL Database data from 2015 to 2020

Team Members :
1) SAI SRINIVASA VARMA KUNADHARAJU (**6252548/SK2588**)
2) SHASHANKA PENMETCHA (**6253194/SP2639**)

- We have faced issues while searching the dataset for the project nearly 20 to 30 datasets have more data but not date information which will be difficult to form the date dimension table. So, need to filter all the datasets based on the date's column.

- While forming the data we have faced issues as there is no ID's so based on the available data, we have created the data with the available data.

- We have duplicate ID's in the tables, so we made it unique so that there will no issues with the key violations.

- In our data we have different matches on the same date, so it forms again issues with key violations, so we have changed the DateKey due to this issue.

- Firstly, we kept DateKey as datatype Number, but it formed errors such as unable to append all the data to the table. Then we changed the DateKey datatype to Shorttext.

Lessons Learned :

We realized that we would definitely need a data set with date column to form dimension table. Unique Id's are crucial to eradicate key violations. Date key must be particular or uncommon. Data type of all the values in access database should be short text to be able to load all the data into the database.

QUERY Description :

1) **Match Details with winner :** Describes about all the details that are associated to the tables.

2) **Matches with Specific City Visakhapatnam:** Describes about the matches happened in the specific city Visakhapatnam.

3) **Matches with Specific YearandDayofWeek:** Describes about the matches happened in the Year and Day of Week.

4) **SpecificTossDecision 'bat' of Matches :** Describes about the Toss decision 'bat' for the match.

5) **SpecificTossWinner "Chennai Super Kings" with MatchWinners :** Describes the specific team won the Toss for the match.