**DREAMTEAM SPORTS CONSULTANCY**

**Background:**

Soccer is the world’s most popular game and has the largest fanbase across the world. DREAMTEAM SPORTS CONSULTANCY is a leading team strategy provider and is known for its team building solution in the field of soccer.

Champions league consisting of 5 teams have together decided to seek solution from dream team sports consultancy to build their teams for the coming season from a pool of 100 players available.

**Objective:**

DreamTeam consultancy has been handed a challenging task to build 5 franchise teams considering the inputs and requirements provided by respective teams.

* Every team has a certain budget (not the same for all teams) wherein they need to build a team consisting of 2 category players (seasoned players and inexperienced players), a team manager and a physio.
* Also, every team has certain requirements when it comes to the type of players. 1] Mid-fielders

2] Defenders

3] Strikers

4] Goalkeepers

* Each category player, managers and physios have a fixed price set to avail their duties.
* Also, every team wants the team to be built with minimal spending.
* Objective function would be to minimize the total cost (sum of 5 teams).

**Model:**

DreamTeam sports consultancy decides to use integer programming model to optimize the team building as per the requirements.