Hackathon Approach

# Data Preprocessing:

## Actions:

1. In all columns no missing data apart from 2 columns :
   1. Item\_Weight - Ignored due to low correlation
   2. Outlet\_Size – Ignored due large missing value percentage
2. Ignored other negligible correlation columns as well like :
   1. Item\_Fat\_Content
   2. Item\_Type

## Model Training:

### Actions:

1. Due to presence of both numerical and categorical features in the input data selected XGBoost modeling approach
2. Due to prediction use case selected XGBoost regressor modeling
3. To tune the model hyperparameters exhaustively implemented grid search approach for best performing model selection