**Business case study: Predict if Employee is right candidate for promotion**

**Overview:**In this assignment you will predict if Employee is right candidate for promotion using other variables provided. (is\_promoted is your target variable)

For this assignment, build a Decision tree and Random Forest model to predict Promotion eligibility using Python.

**Deliverables:**

1. Your code and it should be in following structure.
   1. Required libraries
   2. Data understanding(head, info, shape etc)
   3. Check for null values and clean the data if it contains any noise.
   4. Univariate analysis on few selected variables and visualisations are required(Hint:Mean/Median/Mode for numeric variables and Frequency distribution for categorical variables)
   5. Bivariate analysis(correlation heat map for numeric variables)
   6. Split data to train and test.
   7. Implement model.
   8. Predict target for test data set.
   9. Compute accuracy and other Evaluation parameters.
   10. Tweak some parameters and implement the model again to improve the model performance.

Dataset:

hr\_data.csv