** Predicting qualified employees for promotion using Classification models**

**Problem statement**

The success or failure of a company often depends on the competence of its employees, so CEOs and managers who want to succeed for their organizations face the difficult task of determining who is qualified and who is not qualified for promotion due to the lack of a data collection system to evaluate the performance of employees or the lack and weakness of the system in place. The use of some subjective elements of evaluation. Lack of interest in the planning process and good preparation for the performance appraisal process. In this project, we designed a model that helps identify qualified employees for promotion

## Data Description

## A dataset the data that will be used in this project is downloaded from Kaggle.com (https://www.kaggle.com/arashnic/hr-ana). The data is HR analytics data based on a multinational corporation with many departments

* Columns: 13 Columns
* Rows: 50000 rows.
* Data size: 13\*50000
* Data type: text, integer.

Tools:

Technologies: Python, Jupyter Notebook.

Libraries: Pandas, NumPy, Seaborn, Matplot, and sklearn.

Goal:

Predicting outstanding employees who are qualified for promotion