**Objective**

Analyzing and Building models for Predicting Attrition.

# Dataset

The dataset, **Attrition.csv**, is adapted from Kaggle. It has been uploaded to canvas.

# Possible Work to be done

1. Write a Data Science Proposal for achieving the objective mentioned. Clearly describe the business understanding
2. Perform exploratory analysis of the data and describe your understanding of the data.
3. Perform data wrangling / Pre-Processing to improve outcomes E.g., missing data, normalization, discretization, etc.
4. Is Feature Engineering required for the problem statement? Describe the technique you would adopt and justify the same
5. Propose two feature selection techniques and compare the same
6. Plot top 6 features that help in predicting
7. Provide a high-level description of Machine Learning models – Logistic regression and Decision tree to predict.
8. Compare the performance of the two classifiers – Logistic regression and Decision tree to predict.
9. Present the conclusions/results in the format shared.

# Expected Submissions

Three files are expected as the assignment submission.

1. The summary of the work in the template provided. (you may fill only the boxes relevant to this problem statement)
2. The executed ipynb file with a clear subdivision of the codes and a brief description of the purpose of the respective code. All the executed tables or graphs and results should be present in the ipynb file. The ipynb file may be submitted as a single executable file.
3. The peer evaluation file.