**CSE3506- ESSENTIALS OF DATA ANALYTICS**

**J COMPONENT- REVIEW 1**

**DATA ANALYTICS FOR JOB CHANGE**

**Job Change Prediction**

**Objective:**

* Predicting the probability of whether a candidate will work for the company
* Using the model in companies to filter and retain the candidates that are most likely to work for the company after training rather than looking for a new job.
* It helps reduce the cost and time as well as the quality of training of the candidates.
* Interpret model(s) such a way that illustrate which features affect candidate decision

**Dataset** -HR analytics dataset

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**Features**:

Total: 14 features, 21158 rows

* Employee id
* City development index
* Gender
* Relevant experience
* Enrolled university
* Education level
* Major discipline
* Experience
* Company size
* Company type
* Last new job
* Training hours
* Target

**Prediction Algorithms :**  logistic regression, random forest, XGBoost ,Naïve Bayes and Extra trees classifier