**Assignment 2**

Problem statement

Churn prediction

Dataset: Provided in the archive

Details

* The assignment requires you to build and the following models to predict customer churn using the dataset provided.
  + SVM
  + Decision Trees
  + Random Forest
  + Boosting Techniques
  + Neural Networks (with 2 different architectures)
* Please note that you have to explain your observations and discuss your results.
* In the approach section of the report include a few lines about the filters used.
* Note that the assignment does not have one correct answer, the report will be graded based on approach, interpretation of the results and your comments. However, make sure your results are acceptable (for example at least accuracy >= 60 or F\_score >=60)
* Justification of your approach and critical evaluation of your work is expected.

Logistics

* Final archive to be uploaded on [Google Drive](https://drive.google.com/drive/folders/1czby3_GSPA88wl9k3058bD-7GnvQ2zUn?usp=sharing). Please rename the archive to match the format, Student\_FN\_LN.
* You can develop on any platform and adopt approaches from published work.
* Place the work items in the appropriate folders in the archive for the upload.
* Code should be legible and well documented with comments.
* Include a readme file outlining the platform (and / or language) you chose to develop the project.
* You are **not allowed to switch languages during the course**.
* **Please follow the grading rubric( in the course intro document) to prepare your report.**