School of Computer Science and Engineering, VIT Chennai.

BCSE209P Machine Learning Lab-10

Faculty : Dr. R. Jothi

**Due Date : 26/04/2024**

Submit your python code (Jupyter notebook): with output for all the questions.

Consider Differentiated Thyroid Cancer Recurrence dataset which contains 13 clinicopathologic features aiming to predict recurrence of well differentiated thyroid cancer. The data set was collected in duration of 15 years and each patient was followed for at least 10 years. Apply the following ensemble approaches and compare their performances. Plot confusion matrix for all the algorithms.

1. Random Forest
2. Adaboost
3. XGBoost