

# DSCI – 633

## Fnd. of Data Science and Analysis

### Assignment 1

#### **Objective:**

You are required to program a Naïve Bayes Algorithm using the iris dataset ([link to dataset](#)) for training and testing purposes. (No machine learning libraries are to be used for the creation of the model). *Code commenting will be highly appreciated.*

**Deadline:** [HW1 deadline](#)

#### **Implementation and Submission:**

Use Google Colab for implementation and submit the link in MyCourses under Assignment section. Add your official name & RIT email address to the co-lab book.

#### **Questionnaires:**

For any questions, please post on slack channel or discuss with TA – Addl Tariq in office hours (Tuesday & Thursday 11 am to 12 pm)

#### **Grading Rubric:**

Competent Performance	Acceptable Performance	Mediocre Performance	Low Performance	No Performance
All program runs as required with provided accuracy.	A small number of minor problems, e.g. issues in predict of class probabilities.	Coding of model might have error in logic OR Code does not run, but logic is correct.	Basic programming done, data extracted using the right commands, included head() and describe(), train() and test () commands	None of the objective is achieved
(10 points)	(8 points)	(6 points)	(4 points)	(0 points)

***Note:*** Please ensure no copying or plagiarism of the code from the peers or the internet.