

## **Assignment on Naïve Bayes Classifier #6 (Ref Video Lectures 21-29)**

**Date of uploading assignment:25-09-2020**

**(Timely submission of assignment is essential. Copying/plagiarized submission from others will fetch fail (F) grade on this subject)**

Design a Naïve Bayes classifier for filtering Spam and Ham (Normal) messages. Make a comparative study on the performance of all the three models of Naïve Bayes classifier. The SMS data set, together with readme file from UCI Machine Learning Repository, has been provided for your ready reference in the appropriate link on my website.

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**Hints:** 1. you may go through this 11 min video:  
<https://www.youtube.com/watch?v=99MN-rl8jGY>

2. **However, You are allowed to use only Python NumPy.**

Deadline for submission: **October 9<sup>th</sup>, 2020 midnight.**