



भारतीय सूचना प्रौद्योगिकी संस्थान गुवाहाटी  
**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI**

**Machine Learning Lab, M.Tech 2nd Semester**

**Instructions**

1. After completion, you can share the files in mail to Mr. Indrajit Kalita (Or if you use Google Colab, you can share there also).
2. Deadline to submit is 21st March 2022.

**Assignment -6**

1. Consider any dataset that has more than two class labels. You can create your own or download any publicly available dataset.
  - (a) Check the confusion matrix, precision, recall and F1 score of each of the classes by exploring the following classification algorithms
    - i. SVM (Linear and RBF. Note: You have to install LIBSVM for RBF SVM)
    - ii. Naive Bayes
    - iii. LDA