

CS6300 - Speech Technology: Laboratory 5 & 6

=====

1. Use GMMs for the speaker identification task. Use 80% of the data provided for training, and 20% of the data for testing. For extracting features, use the code provided in the previous assignment.
2. Using the HMM-GMM/HMM-DNN code provided, perform isolated word recognition. You must plug in the features extracted using the code provided in the previous assignment.

Additional Credits

- Use UBM-GMM for the classification task. Also, do score-normalization.

Notes

- Write your own code for K-means clustering and training GMM. Marks will be deducted if you are using any inbuilt libraries/functions for performing K-means clustering or training GMM.
- For the speaker identification task, plot ROC and DET curves.