

Assignment on Linear Prediction Analysis:

- 1) Write a SCILAB program that computes the autocorrelation matrix and the total minimum error for given speech segment and order.
- 2) Write a SCILAB program that finds the Linear prediction coefficients (LPCs) by the LD method for given speech segment and order.
- 3) Write a SCILAB program that finds the LPCs for the entire speech signal where order of prediction is mentioned.
- 4) Write a SCILAB program for computing the LP residual where the speech signal and the LP order are given.
- 5) Write a SCILAB program for computing the normalized error of given segment of speech by recursively increasing the LP order.
- 6) Write a SCILAB program for computing the pitch by SIFT method.