May 17, PESIT

Dear Snehanshu,

I will be covering the following in my lecture on Feb. 17:

1. Basics of linear transformations / Matrices with geometric intuition

2.  Siingular Value Decomposition (SVD)

3. Application of SVD to image compression with real examples

4. PCA (relation to SVD) and its application to EEG processing

I can take the class in the morning 9 am.   However, I am busy with some personal work in the afternoon, so I will need to leave by 11.30am.

I can cover 1-3 above in 45 min.  If time permits, I can tell them about 4.  No pre-requisite of linear algebra will be assumed - I will cover them in the lecture itself.  So, it will be self-contained lecture.