

## \* NLP

- <i> Read Pdf sent by sir
- <ii> NLP Intro
- <iii> Word Embeddings
- <iv> Naive Bayes Classifier
  - ↳ Laplacian Smoothing
  - ↳ Log likelihood
- <v> HMM (Hidden Markov Model)
  - ↳ Log likelihood
  - ↳ Laplacian Smoothing
- <vi> N-Gram Language Model
- <vii> Perplexity

## \* CN

- <i> Intro
- <ii> Network Layers intro
- <iii> OSI & TCP/IP Intro
- <iv> Physical Layer
  - ↳ Transmission media
  - ↳ Network Devices
- <v> Delay in Network
  - ↳ Propagation time, Transmission time, etc
- <vi> Broadcasting
- <vii> Encoding & Clock Sync at Phy layer
- <viii> Data Link layer
- <ix> Flow Control
  - ↳ One frame at a time
  - ↳ Go back (N)
  - ↳ Selective Repeat

(x) Error Detection and Correction at D.L.L

- Parity
- 2D Parity
- Check sum

(xi) Network Layer IP Addressing & Subnetting