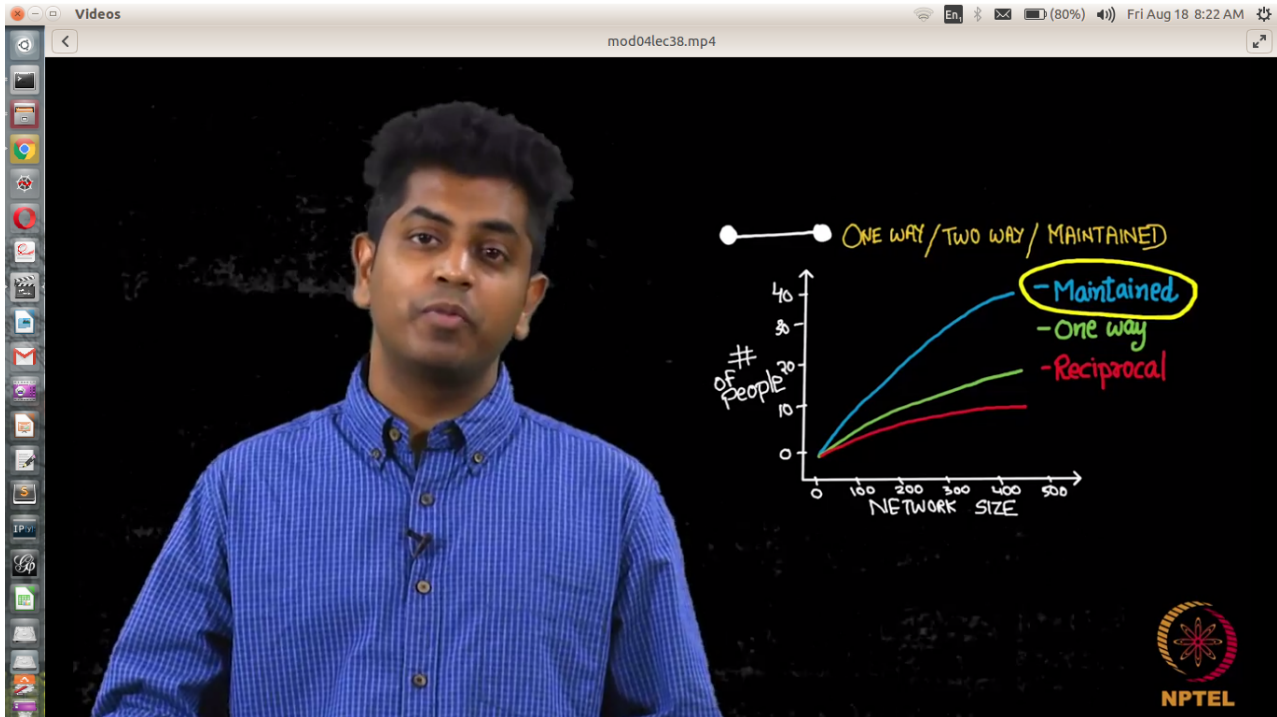# Lec38 Strong and Weak relationships and Homophily -- Tie Strength, social media & Passive Engagement

- Passive Engagement -> not in direct touch(May be thro' FB)
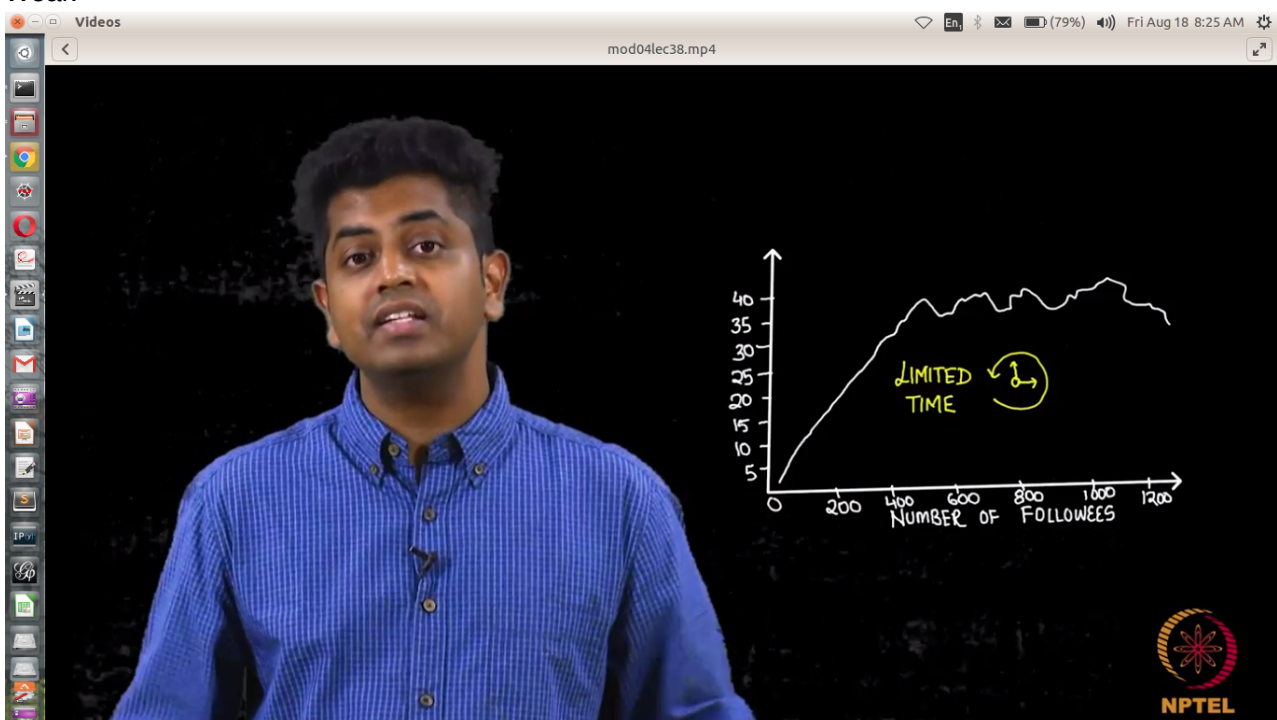
Communication types of FB
- One Way (No reply)
- Mutual/ 2 way/ reciprocal
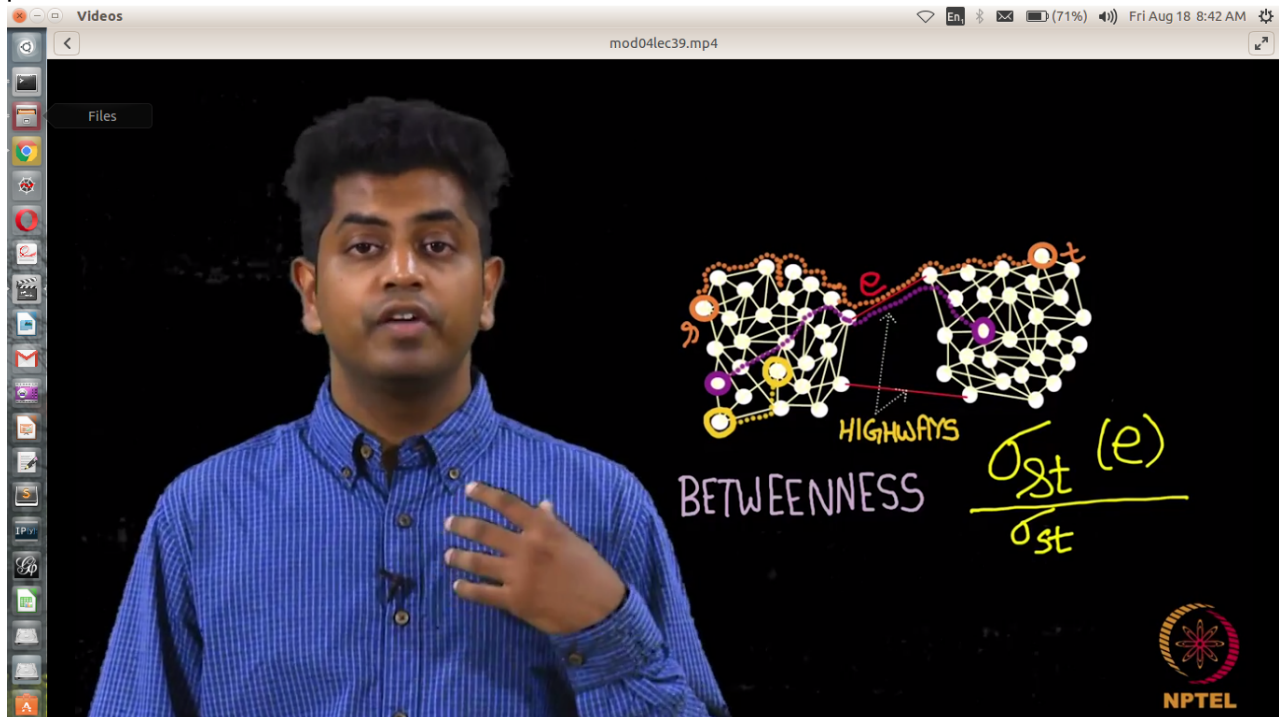- Maintained Relationship/ Passive => Follow, Like, Comment

Communication types of Twitter
- Strong(mutual)
- Weak

Lec39 Betweeness Measures and graph partitioning

- Community - Bunch of nodes with lot of connections within and less connections between...(This partioning is called as Community partitioning)
- Betweeness = Total no. of shortest paths pass from S to T through this edge / Total no. of shortest paths between S and T

- Betweeness of edges connecting groups is high

Steps to identify the groups
- Find the edges with high betweeness
- Remove those edges
- if graph is disconneted: No. of partitions = No. of groups
  else: No groups

Lec40 Strong and Weak relationships Summary