

Social Networks
Prof. S. R. S. Iyengar
Department of Computer Science
Indian Institute of Technology, Ropar

Lecture – 45
Strong and Weak Relationships (Continues) and Homophily
Foci Closure and Membership Closure

Neeru (Refer Time: 00:10), I wanted to ask you something (Refer Time: 00:12) I think we are batch mates.

Yeah, you are right; I was there but I remember seeing you in Delhi University.

Yeah, you are correct and see we are here in the same yoga class.

Yes.

What a co-incidence?

Yes.

I think we should catch up sometime (Refer Time: 00:25) for a coffee?

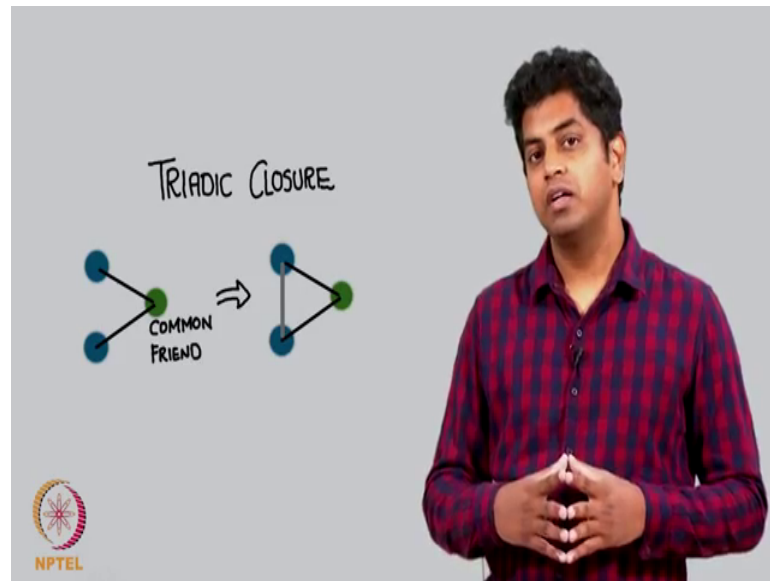
Sure; no problem.

Tell me regarding; which batch you are?

I was in (Refer Time: 00:31)

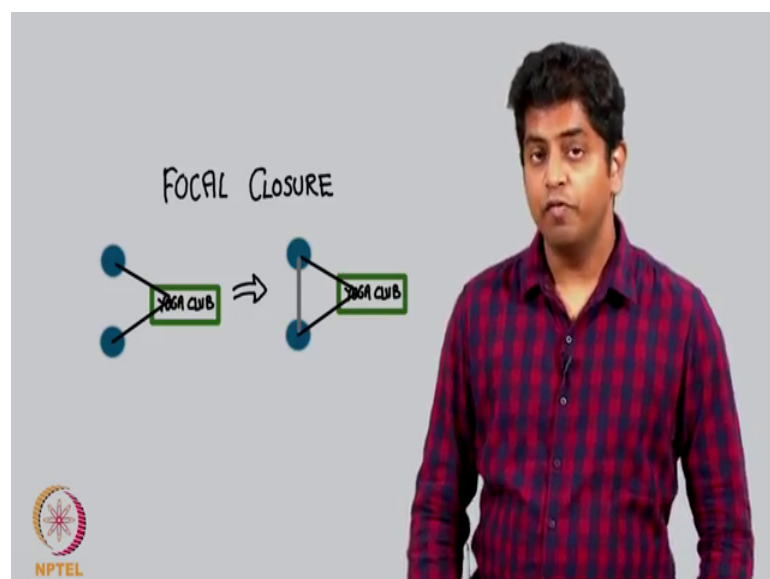
We just now saw a video clip of Amit and Neeru being part of yoga club and then they realized that they are actually part of several affiliations while, we have been looking at triadic closures; where 2 people who have a common friend trying to become friends with each other.

(Refer Slide Time: 00:47)



It is not just a common friend which makes 2 people get closure, sometimes it also affiliations. If they are part of a common focus; let us say me and you are part of kung fu club, we trying to be friends with each other. If we both are part of yoga club, we will be friends with each other. In the example between Amit and Neeru, they were part of yoga club and then they realized that they are part of many other common focus, they are now becoming friends with each other; this is called focal closure.

(Refer Slide Time: 01:29)



Where, we saw what is a triadic closure; similar is focal closure, triadic closure meant common friend 2 people become friends. Focal closure means 2 people have a common place where they meet, where they talk, where they see each other and that can also result in the friendship that can happen between these 2 people that is called focal closure.

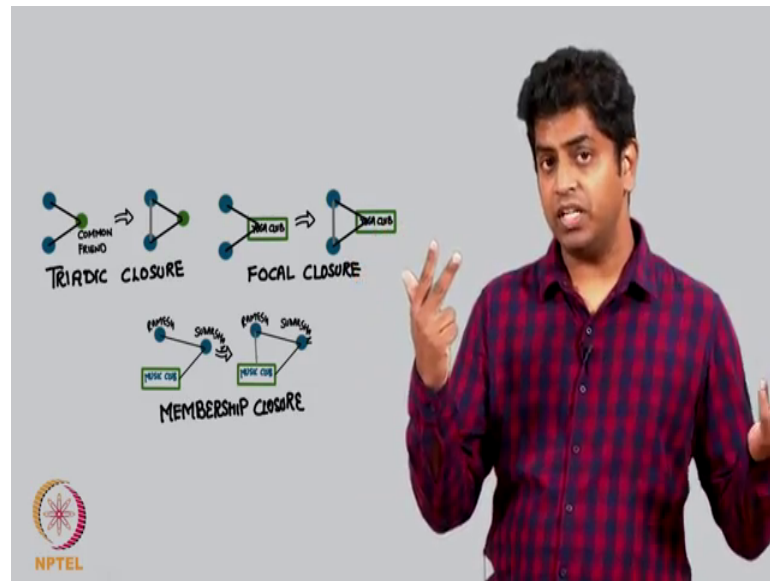
Now, there are basically three types of closures that we will now observe; first is of course triadic closure, second is focal closure that I told you, third is membership closure.

(Refer Slide Time: 02:07)



Assume me and Ramesh are 2 people who know each other and I go to the music club and now because he is friends with me, I will take him to the music club; this is called membership closure, I make my friends as members of this focal point; which is let us say music club.

(Refer Slide Time: 02:31)



So to per phrase, we saw triadic closure; common friend means 2 people can become friends, focal closure; if there is a common focus, let us say Kung Fu Club, yoga club; 2 people can meet there and become friends. The third one is membership closure; I am part of a music club, I can make Ramesh become part of the music club.