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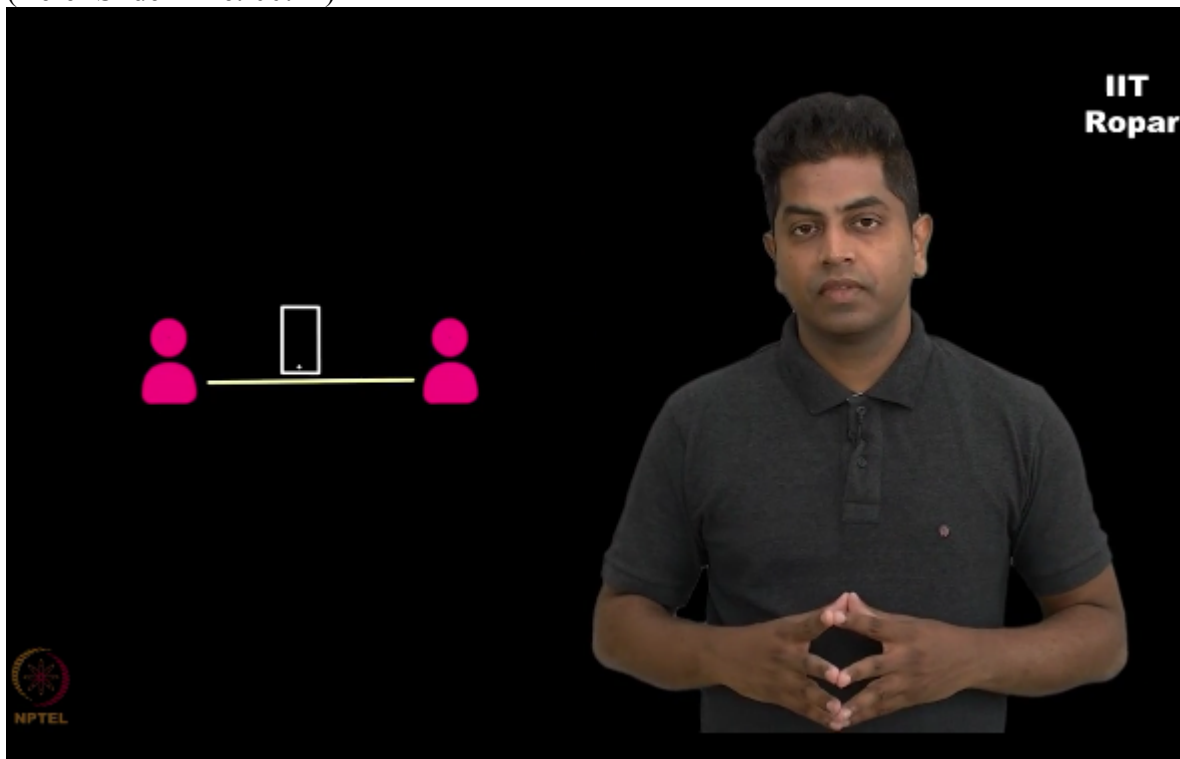
**Discrete Mathematics
Graph Theory - 1**

Connectedness through Connecting people

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Do you think if I were to take everyone in a small university, any university for that matter and look at their cell phones and try to put a line between two people if a person has a phone number of the other person like this,

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if I keep doing it for all people a surprising fact is that such a figure will appear very connected,
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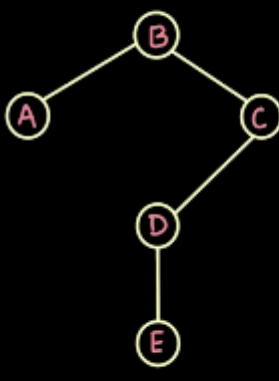
CONNECTED



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by that I mean you can start from anyone and go to anyone, by that I mean between any two people you can find someone A will have B's number, B will have C's phone number, C will have D's phone number and D will have E's phone number, (Refer Slide Time: 00:54)

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between any two A and E you can find such a path, this is not just true of a university, this is indeed true of the whole world.

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