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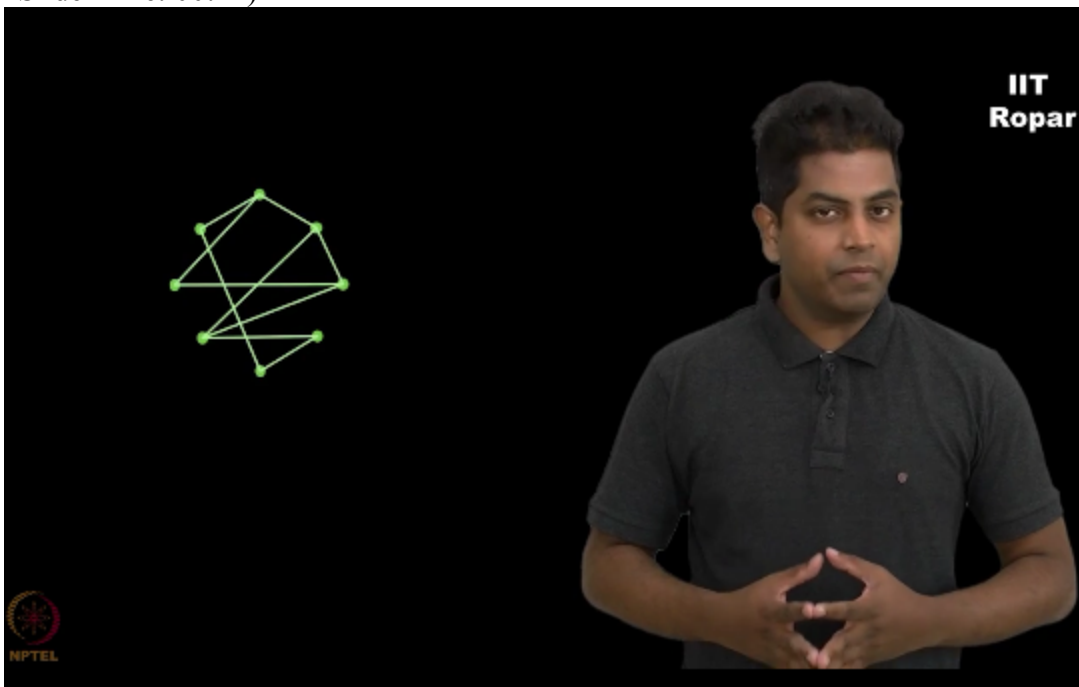
NPTEL ONLINE CERTIFICATION COURSE

**Discrete Mathematics
Graph Theory - 1**

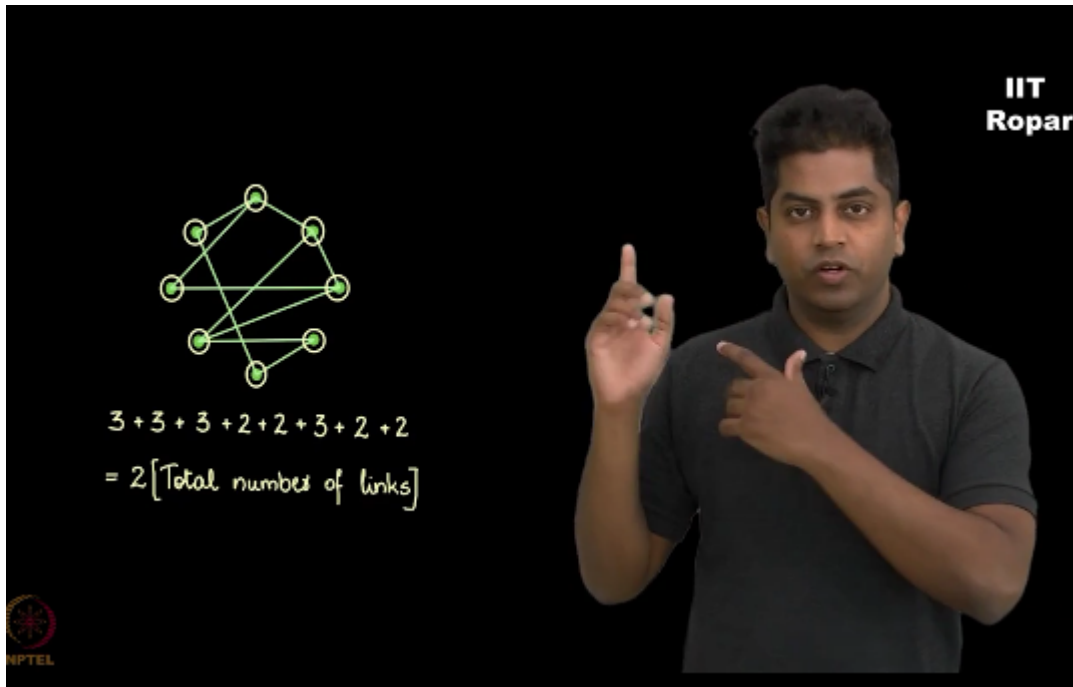
Relation between number of edges and degrees

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Look at this figure it is some random 8 people and some friendships between them,
(Refer Slide Time: 00:12)



I observe something very peculiar here, if I take the sum total of the degree of all the nodes it is turning out to be 2 times the total number of links,
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you may want to pause the video and then check, how is this true, is this always true?

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Department of Higher Education
Ministry of Human Resources Development
Government of India**

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