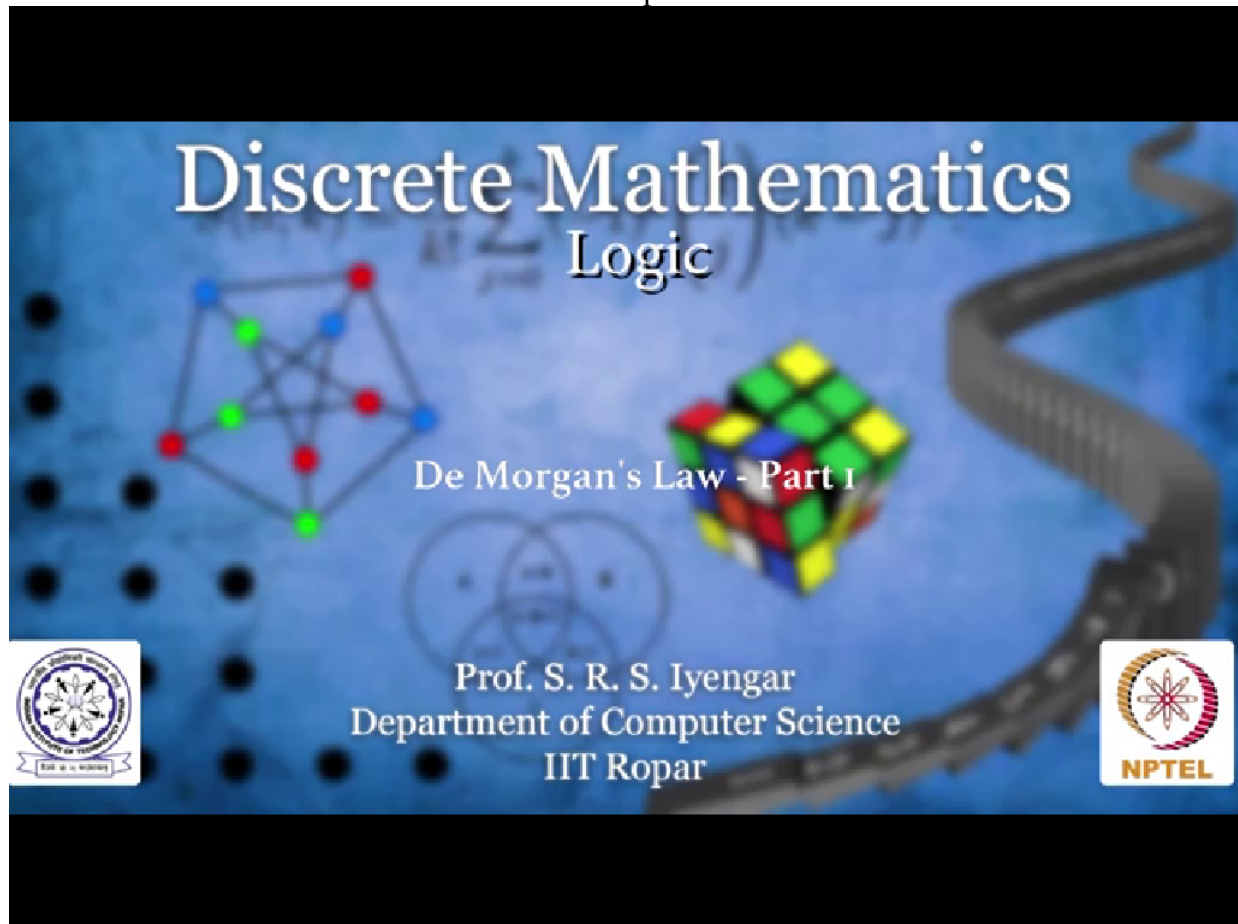
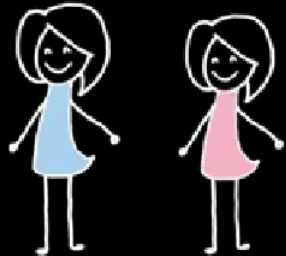


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Discrete Mathematics
Logic
De Morgan's Law - Part 1
Prof. S. R. S. Iyengar
Department of Computer Science
IIT Ropar



Look at these two ladies. I make this statement. Both of them are good looking. I repeat both of them are good looking. When do you think I'll be wrong?



Both of them are
good looking.



Both of them are not good looking? Not really. I will be wrong rather my statement, my statement, this statement that both of them are good looking will be wrong, will be false if one of them at least is not good looking. Right?

IIT Ropar

One ~~Both~~ of them at least is **not** good looking.

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This is what we mean by what is popularly called the De Morgan's Law.



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