

## NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Computer Science and Engineering - NOC:Discrete Structures

Subject Co-ordinator - Prof. Dipanwita Roychowdhury

Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Introduction to Propositional Logic  
Lecture 2 - Introduction to Propositional Logic (Continued...)  
Lecture 3 - Introduction to Propositional Logic (Continued...)  
Lecture 4 - Introduction to Propositional Logic (Continued...)  
Lecture 5 - Introduction to Propositional Logic (Continued...)  
Lecture 6 - Introduction to Propositional Logic (Continued...)  
Lecture 7 - Predicate Logic  
Lecture 8 - Predicate Logic (Continued...)  
Lecture 9 - Predicate Logic (Continued...)  
Lecture 10 - Predicate Logic (Continued...)  
Lecture 11 - Proof Techniques  
Lecture 12 - Proof Techniques (Continued...)  
Lecture 13 - Proof Techniques (Continued...)  
Lecture 14 - Proof Techniques (Continued...)  
Lecture 15 - Proof Techniques (Continued...)  
Lecture 16 - Sets and Functions  
Lecture 17 - Sets and Functions (Continued...)  
Lecture 18 - Sets and Functions (Continued...)  
Lecture 19 - Sets and Functions (Continued...)  
Lecture 20 - Sets and Functions (Continued...)  
Lecture 21 - Relations and their Properties  
Lecture 22 - Relations and their Properties (Continued...)  
Lecture 23 - Relations and their Properties (Continued...)  
Lecture 24 - Relations and their Properties (Continued...)  
Lecture 25 - Relations and their Properties (Continued...)  
Lecture 26 - Recursion  
Lecture 27 - Recursion (Continued...)  
Lecture 28 - Recursion (Continued...)  
Lecture 29 - Recursion (Continued...)

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Lecture 31 - Recurrence relations  
Lecture 32 - Recurrence relations (Continued...)  
Lecture 33 - Recurrence relations (Continued...)  
Lecture 34 - Recurrence relations (Continued...)  
Lecture 35 - Recurrence relations (Continued...)  
Lecture 36 - Counting Techniques and Pigeonhole Principle  
Lecture 37 - Counting Techniques and Pigeonhole Principle (Continued...)  
Lecture 38 - Counting Techniques and Pigeonhole Principle (Continued...)  
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Lecture 40 - Counting Techniques and Pigeonhole Principle (Continued...)  
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Lecture 46 - Algebraic Structures  
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Lecture 53 - Ring and Modular Arithmetic (Continued...)  
Lecture 54 - Ring and Modular Arithmetic (Continued...)  
Lecture 55 - Ring and Modular Arithmetic (Continued...)  
Lecture 56 - Finite Field and Applications  
Lecture 57 - Finite Field and Applications (Continued...)  
Lecture 58 - Finite Field and Applications (Continued...)  
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Lecture 60 - Finite Field and Applications (Continued...)