

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

NPTEL Video Course - Architecture - NOC:Urban utilities Planning : Water Supply, Sanitation and Drainage

Subject Co-ordinator - Prof. Debapratim Pandit

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Urban Utilities Planning Issues
Lecture 2 - Planning Strategies
Lecture 3 - Planning Strategies (Continued...)
Lecture 4 - Urban Utilities
Lecture 5 - Water Sensitive Urban Planning
Lecture 6 - Water Demand Prediction and Management
Lecture 7 - Types of Urban Water Demand
Lecture 8 - Fluctuations in Urban Water Demand
Lecture 9 - Role of Government
Lecture 10 - Cost of water supply
Lecture 11 - Rainfall, Runoff and Ground Water
Lecture 12 - Groundwater Properties and Flow Characteristics
Lecture 13 - Groundwater Intakes and Issues
Lecture 14 - Groundwater Yield
Lecture 15 - Surface Water Intakes
Lecture 16 - Pumping Stations
Lecture 17 - Pumps
Lecture 18 - Sizing of Pumps
Lecture 19 - Service Reservoir - Part I
Lecture 20 - Service Reservoir - Part II
Lecture 21 - Distribution System Layout
Lecture 22 - Conveyance of water - Part I
Lecture 23 - Conveyance of water - Part II
Lecture 24 - Pipes, Joints, Meters and SCADA Systems
Lecture 25 - Distribution Network Design
Lecture 26 - Water quality and testing - Part I
Lecture 27 - Water quality and testing - Part II
Lecture 28 - Water treatment - Part I
Lecture 29 - Water treatment - Part II

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- Lecture 30 - Water treatment - Part III
- Lecture 31 - Sanitation basics - Part I
- Lecture 32 - Sanitation Basics - Part II
- Lecture 33 - Sewage Systems - Part I
- Lecture 34 - Sewage Systems - Part II
- Lecture 35 - Sewage Systems - Part III
- Lecture 36 - Water Carriage System and Sewerage Layout
- Lecture 37 - Quantity of Sanitary Sewage
- Lecture 38 - Storm Water Drainage Planning - Part I
- Lecture 39 - Storm Water Drainage Planning - Part II
- Lecture 40 - Storm Water Drainage Planning - Part III
- Lecture 41 - Sewer Design
- Lecture 42 - Runoff estimation - Part 1
- Lecture 43 - Runoff estimation - Part 2
- Lecture 44 - Sewerage Network Design - Part 1
- Lecture 45 - Sewerage Network Design - Part 2
- Lecture 46 - Sewer appurtenances - Part 1
- Lecture 47 - Sewer appurtenances - Part 2
- Lecture 48 - Storm water drains
- Lecture 49 - Sewer maintenance and cleaning
- Lecture 50 - Laying of sewer and utility corridors
- Lecture 51 - Sewage disposal and treatment in India: Introduction
- Lecture 52 - Natural methods of sewage treatment
- Lecture 53 - Artificial sewage treatment - Part 1: Primary treatment
- Lecture 54 - Artificial sewage treatment - Part 2: Secondary treatment
- Lecture 55 - Artificial sewage treatment - Part 3: Advanced methods
- Lecture 56 - Ground water Recharge - Part 1
- Lecture 57 - Ground water Recharge - Part 2
- Lecture 58 - Urban flood management and drainage plans - Part 1
- Lecture 59 - Urban flood management and drainage plans - Part 2
- Lecture 60 - Urban flood management and drainage plans - Part 3