

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

NPTEL Video Course - Civil Engineering - NOC:Advanced Concrete Technology

Subject Co-ordinator - Prof. Manu Santhanam

Co-ordinating Institute - IIT - Madras

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

Lecture 0 - Introduction to course  
Lecture 1 - Cement Production - Part 1  
Lecture 2 - Cement Production - Part 2  
Lecture 3 - Cement Composition - Part 1  
Lecture 4 - Cement Composition - Part 2  
Lecture 5 - Cement Classification - Part 1  
Lecture 6 - Cement Classification - Part 2  
Lecture 7 - Cement Chemistry - Part 1  
Lecture 8 - Cement Chemistry - Part 2  
Lecture 9 - Cement Chemistry - Part 3  
Lecture 10 - Cement Chemistry - Part 4  
Lecture 11 - Cement Chemistry - Part 5  
Lecture 12 - Aggregates for concrete - Part 1  
Lecture 13 - Aggregates for concrete - Part 2  
Lecture 14 - Chemical admixtures - Part 1  
Lecture 15 - Chemical admixtures - Part 2  
Lecture 16 - Chemical admixtures - Part 3  
Lecture 17 - Chemical admixtures - Part 4  
Lecture 18 - Chemical admixtures - Part 5  
Lecture 19 - Mineral admixtures - Part 1  
Lecture 20 - Mineral admixtures - Part 2  
Lecture 21 - Mineral admixtures - Part 3  
Lecture 22 - Mineral admixtures - Part 4  
Lecture 23 - Mineral admixtures - Part 5  
Lecture 24 - Mineral admixtures - Part 6  
Lecture 25 - Mineral admixtures - Part 7  
Lecture 26 - Mixture proportioning  
Lecture 27 - Fresh concrete - Part 1  
Lecture 28 - Fresh concrete - Part 2

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- Lecture 29 - Fresh properties - Part 3
- Lecture 30 - Introduction to Harden concrete properties
- Lecture 31 - Post peak response and Fibre reinforced concrete
- Lecture 32 - Shrinkage
- Lecture 33 - Creep
- Lecture 34 - Shrinkage
- Lecture 35 - Shrinkage
- Lecture 36 - Introduction to Durability
- Lecture 37 - Performance based specifications for durable concrete
- Lecture 38 - Durability issues in concrete - Part 1
- Lecture 39 - Durability issues in concrete - Part 2
- Lecture 40 - Durability issues in concrete - Part 3
- Lecture 41 - Durability issues in concrete - Part 4
- Lecture 42 - Durability issues in concrete - Part 5
- Lecture 43 - Durability issues in concrete - Part 6