

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

NPTEL Video Course - Mechanical Engineering - NOC:Traditional and Non-Traditional Optimization Tools

Subject Co-ordinator - Prof. Dilip Kumar Pratihari

Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Principle of Optimization
- Lecture 2 - Traditional Methods of Optimization
- Lecture 3 - Traditional Methods of Optimization (Continued...)
- Lecture 4 - Binary-Coded Genetic Algorithm (BCGA)
- Lecture 5 - Binary-Coded Genetic Algorithm (BCGA) (Continued...)
- Lecture 6 - Binary-Coded Genetic Algorithm (BCGA) (Continued...)
- Lecture 7 - Binary-Coded Genetic Algorithm (BCGA) (Continued...)
- Lecture 8 - Binary-Coded Genetic Algorithm (BCGA) (Continued...)
- Lecture 9 - Schema Theorem of BCGA
- Lecture 10 - Schema Theorem of BCGA (Continued...)
- Lecture 11 - Constraint Handling
- Lecture 12 - Real-Coded GA
- Lecture 13 - Faster Genetic Algorithms
- Lecture 14 - Faster Genetic Algorithms (Continued...)
- Lecture 15 - Faster Genetic Algorithms (Continued...)
- Lecture 16 - Faster Genetic Algorithms (Continued...)
- Lecture 17 - Scheduling GA
- Lecture 18 - Scheduling GA (Continued...)
- Lecture 19 - Scheduling GA (Continued...)
- Lecture 20 - Simulated Annealing
- Lecture 21 - Particle Swarm Optimization
- Lecture 22 - Multi-Objective Optimization
- Lecture 23 - Multi-Objective Optimization (Continued...)
- Lecture 24 - Multi-Objective Optimization (Continued...)
- Lecture 25 - Multi-Objective Optimization (Continued...)
- Lecture 26 - Multi-Objective Optimization (Continued...)
- Lecture 27 - Intelligent Optimization Toolture
- Lecture 28 - A Practical Optimization Problem
- Lecture 29 - A Practical Optimization Problem (Continued...)

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

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- Lecture 30 - A Practical Optimization Problem (Continued...)
- Lecture 31 - A Practical Optimization Problem (Continued...)
- Lecture 32 - A Practical Optimization Problem (Continued...)
- Lecture 33 - A Practical Optimization Problem (Continued...)
- Lecture 34 - A Practical Optimization Problem (Continued...)
- Lecture 35 - A Practical Optimization Problem (Continued...)
- Lecture 36 - A Practical Optimization Problem (Continued...)
- Lecture 37 - Genetic Algorithm as Evolution Tool
- Lecture 38 - Genetic Algorithm as Evolution Tool (Continued...)
- Lecture 39 - Genetic Algorithm as Evolution Tool (Continued...)
- Lecture 40 - Genetic Algorithm as Evolution Tool (Continued...)
- Lecture 41 - Genetic Algorithm as Evolution Tool (Continued...)
- Lecture 42 - Genetic Algorithm as Evolution Tool (Continued...)
- Lecture 43 - Summary 1
- Lecture 44 - Summary 2
- Lecture 45 - Summary 3