

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

NPTEL Video Course - Computer Science and Engineering - Artificial Intelligence (Prof. Anupam Basu)

Subject Co-ordinator - Prof. Sudeshna Sarkar, Prof. Anupam Basu

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Introduction to Artificial Intelligence
Lecture 2 - Intelligent Agents
Lecture 3 - State Space Search
Lecture 4 - Uninformed Search
Lecture 5 - Informed Search
Lecture 6 - Informed Search - 2
Lecture 7 - Two Players Games - I
Lecture 8 - Two Players Games - II
Lecture 9 - Constraint Satisfaction Problems - 1
Lecture 10 - Constraint Satisfaction Problems - 2
Lecture 11 - Knowledge Representation and Logic
Lecture 12 - Interface in Propositional Logic
Lecture 13 - First Order Logic
Lecture 14 - Reasoning Using First Order Logic
Lecture 15 - Resolution in FOPL
Lecture 16 - Rule Based System
Lecture 17 - Rule Based Systems II
Lecture 18 - Semantic Net
Lecture 19 - Reasoning in Semantic Net
Lecture 20 - Frames
Lecture 21 - Planning - 1
Lecture 22 - Planning - 2
Lecture 23 - Planning - 3
Lecture 24 - Planning - 4
Lecture 25 - Rule Based Expert System
Lecture 26 - Reasoning with Uncertainty - I
Lecture 27 - Reasoning with Uncertainty - II
Lecture 28 - Reasoning with Uncertainty - III
Lecture 29 - Reasoning with Uncertainty - IV

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- Lecture 30 - Fuzzy Reasoning - I
- Lecture 31 - Fuzzy Reasoning - II
- Lecture 32 - Introduction to Learning - I
- Lecture 33 - Introduction to Learning - II
- Lecture 34 - Rule Induction and Decision Trees - I
- Lecture 35 - Rule Induction and Decision Trees - II
- Lecture 36 - Learning Using neural Networks - I
- Lecture 37 - Learning Using Neural Networks - II
- Lecture 38 - Probabilistic Learning
- Lecture 39 - Natural Language Processing - I
- Lecture 40 - Natural Language Processing - II