NPTEL Video Course - Computer Science and Engineering - Artificial Intelligence (Prof. P. Dasgupta)

Subject Co-ordinator - Prof. P. Dasgupta

Co-ordinating Institute - IIT - Kharagpur

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


Lecture 1 - Introduction to Artificial Intelligence
Lecture 2 - Problem Solving by Search
Lecture 3 - Searching with Costs
Lecture 4 - Informed State Space Search
Lecture 5 - Heuristic Search
Lecture 6 - Problem Reduction Search
Lecture 7 - Searching Game Trees
Lecture 8 - Knowledge Based Systems
Lecture 9 - First Order Logic
Lecture 10 - Inference in First Order Logic
Lecture 11 - Resolution - Refutation Proofs
Lecture 12 - Resolution Refutation Proofs
Lecture 13 - Logic Programming
Lecture 14 - Prolog Programming
Lecture 15 - Prolog
Lecture 16 - Additional Topics
Lecture 17 - Introduction to Planning
Lecture 18 - Partial Order Planning
Lecture 19 - GraphPLAN and SATPlan
Lecture 20 - SATPlan
Lecture 21 - Reasoning under uncertainty
Lecture 22 - Bayesian Networks
Lecture 23 - Reasoning with Bayes Networks
Lecture 24 - Reasoning with Bayes networks (Contd.)
Lecture 25 - Reasoning under uncertainty
Lecture 26 - Learning
Lecture 27 - Learning
Lecture 28 - Back Propagation Learning

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