

# Artificial Intelligence - Video course

## ARTIFICIAL INTELLIGENCE

The course will cover basic ideas and techniques underlying the design of intelligent computer systems. Topics include:  
Introduction to AI and intelligent agents.

**Problem Solving** : Solving Problems by Searching, heuristic search techniques, constraint satisfaction problems, stochastic search methods.

**Game Playing** : minimax, alpha-beta pruning.

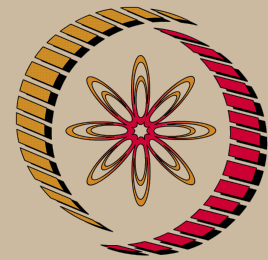
**Knowledge and Reasoning** : Building a Knowledge Base :  
Propositional logic, first order logic, situation calculus. Theorem Proving in First Order Logic.

Planning, partial order planning.

Uncertain Knowledge and Reasoning, Probabilities, Bayesian Networks.

**Learning** : Overview of different forms of learning, Learning Decision Trees, Neural Networks.

Introduction to Natural Language Processing.



NP-TEL

# NPTEL

<http://nptel.ac.in>

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