**Course Overview**

**Course leve-** Master

**Prerequisits** – knowledge on Python and statistic, probability

**Assignments:**

* **Quizzes (conceptual) –** questions of the material taken
* **Projects (programming) –** Python AI problems resolution.

[**Aima.**cs.berkeley.edu](http://aima.cs.berkeley.edu/)

**Overview:**

* Introduction AI, history
* Building intelligent agents (search, games, logic constraint satisfaction problems)
* Machine Learning algoritms
* Application of Ai
* Solving real problems with AI

Roadmap:

* Rational Intelligent agents
* Search agents (uninformed and informed search)
* Adversarial search (games)
* Machine learning
* Constraint satisfaction problems
* Logic
* Markov decision processes & Reinforcement learning
* Application natural language
* Application to vision and robotics