



**E0 238 Jan 3:1**

## **Artificial Intelligence**

### **Instructor**

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### **Teaching Assistant**

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**Department: Computer Science and Automation**

Course Time: Mon., Wed., 11 AM - 12:30 PM

Lecture venue: CSA 117

Detailed Course Page:

## **Announcements**

### **Brief description of the course**

Course is for ME students and Ph.D. students of mainly Computer Science, Electrical Engineering and other departments

### **Prerequisites**

None

### **Syllabus**

Introduction; Problem solving; Logic and reasoning; Knowledge based systems; Reasoning with uncertain information; Expert Systems; Planning; Learning; Natural Language Processing; Distributed AI; multiple agents; web based agents; negotiating agents; Applications with Prolog, Lisp and other AI languages

### **Course outcomes**

1. Fundamentals of Artificial Intelligence
2. Learn general problem solving, logic, reasoning
3. Learn different learning techniques
4. Communication using natural language

5. Programming in AI languages

6. Multiple agent systems

### **Grading policy**

Assignments 10 %, Tests 10%, Seminar 15%, Term Project 15%,

Exam 50%

### **Assignments**

Programming in Prolog, Lisp and CLIPS

### **Resources**

Artificial Intelligence - A Modern Approach, Russel and Norvig, Prentice Hall