

AI (3161608)

L-1

1. Introduction

- Syllabus
- Prolog Programming
- Applications

L-2

2. History of AI

1946 - ENIAC - first electronics computer

1950 - Alan Turing - father of computer science

Q: Can machines think?

- test → Turing Test

1956 - AI born in 1956.

Dartmouth College - 2 months

John McCarthy

1964 - Eliza - the first chatbot

1966 - first robot - shak^e

AI winters - time duration when
AI was down.

1974-1993 - machine translation

Speech recognition

LISP - programming language

- expert systems.

1996 - An algorithm to prove
~~a~~ theorems was developed.

1997 - Deep Blue (super computer)
defeated Garry Kasparov in
chess.

IBM

1998, 2004, 2009 - NASA - Spacecraft to study
asteroids, oroid.

- Rovers on Mars

2005 - DARPA Grand Challenge - US

- Driverless cars race

- winner - Stanford - Prof. Sebastian
Thrun

Udacity.com

- 200 miles

- Runners Up - CMU - Prof. Whittaker

2011 - IBM's Watson

2016 - AlphaGo - s/w which plays a game - Go
19 x 19 - board

Recent Applications

- Object Recognition
- Image Captioning
 - I/P → image
 - O/P → description of image
- Speech Recognition
- Face Recognition