

Artificial Intelligence

Introduction to Artificial Intelligence

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Chapter Description

- Expected Outcomes

- Student able to review the concepts of artificial intelligence
- Student able to review the history of artificial intelligence
- Student able to discuss the example of artificial intelligence application

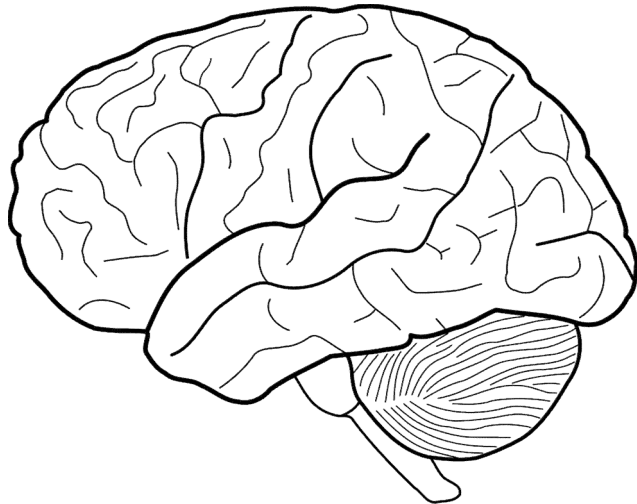
- References

- S. Brunette, Emma & Flemmer, Rory & Flemmer, Claire. (2009). A review of artificial intelligence. ICARA 2009 - Proceedings of the 4th International Conference on Autonomous Robots and Agents. 385-392.

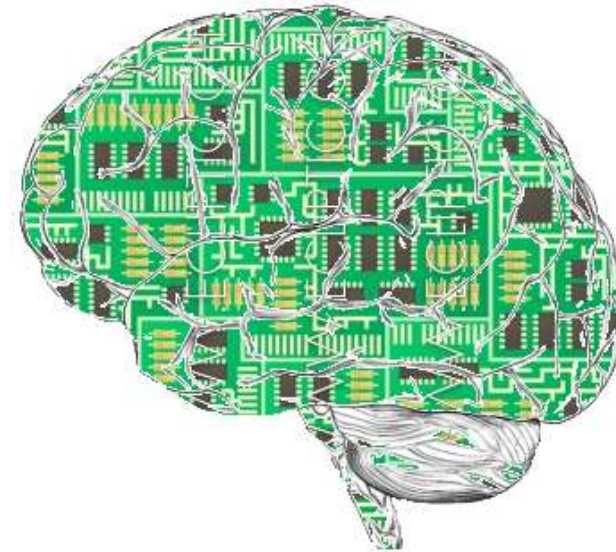
Content #1

- What is artificial intelligence?
- History of artificial intelligence
- Example of artificial intelligence application

WHAT IS ARTIFICIAL INTELLIGENCE (AI)?

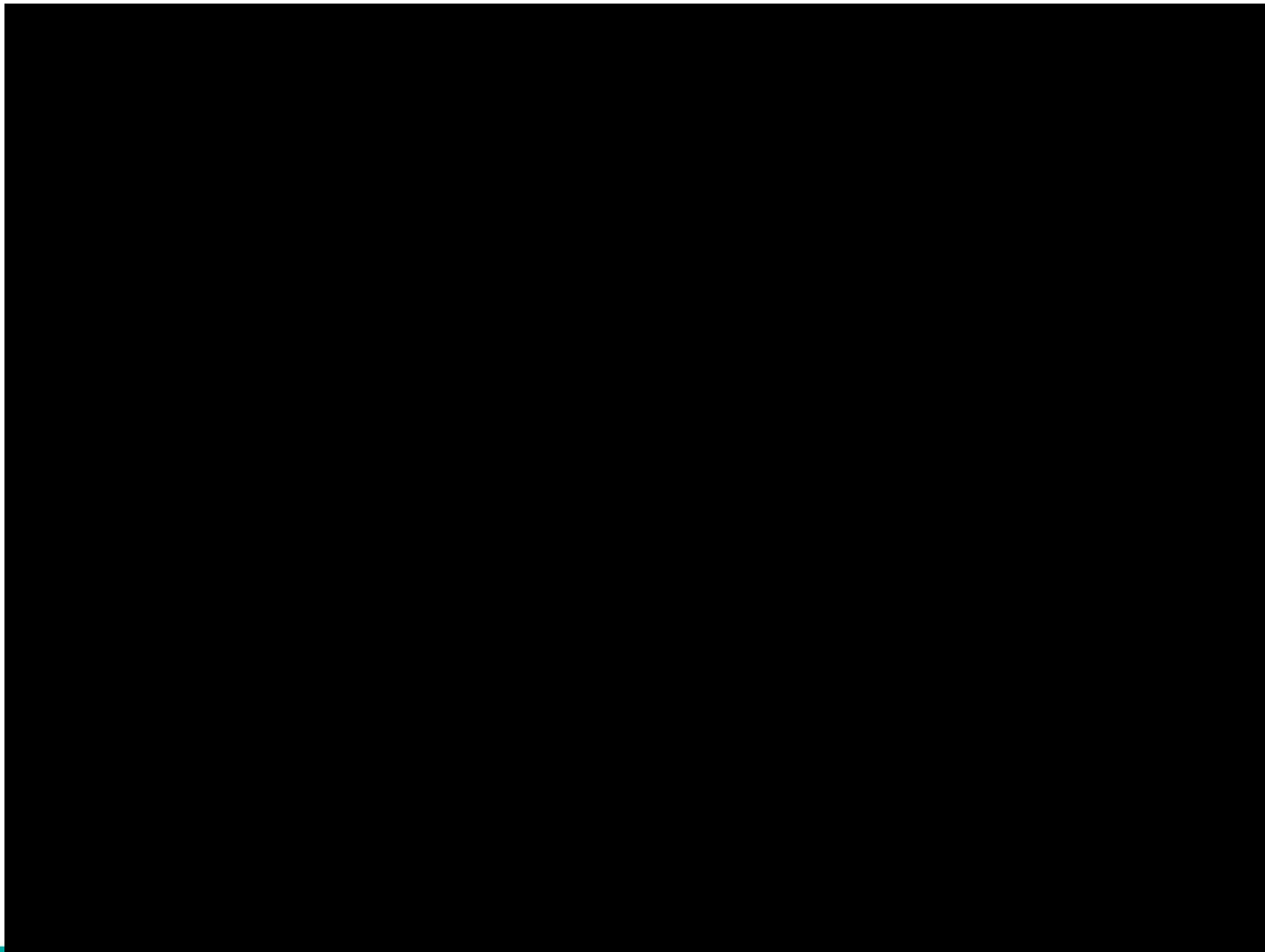


To study the human
intelligence



To study the machine
intelligence

WHAT IS ARTIFICIAL INTELLIGENCE (AI)?



HISTORY OF AI

The beginning of AI:

1943: McCulloch & Pitts: Boolean circuit model of brain.

1950: Turing's "Computing Machinery and Intelligence".

1956: John McCarthy coined the term "artificial intelligence" as the topic of the Dartmouth Conference, the first conference devoted to the subject.

AI APPLICATION

- Washing Machine – fuzzy logic
- Google Search – metaheuristic search
- SimSimi – natural language processing
- Amazon drone - robotic

Conclusion of The Chapter

- Conclusion #1
 - Artificial intelligence study the human intelligence as based of concepts
 - Artificial intelligence study how to make machine intelligence
- Conclusion #2
 - AI application used in our daily life today