



ARTIFICIAL INTELLIGENCE (A.I.)

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WHAT IS A.I.?

- 1) The study of computer systems that attempt to model and apply the intelligence of the human mind.
- 2) A branch of computer science dealing with the simulation of intelligent behaviour in computers.
- 3) The capability of a machine to imitate intelligent human behaviour.

Google Now



Siri



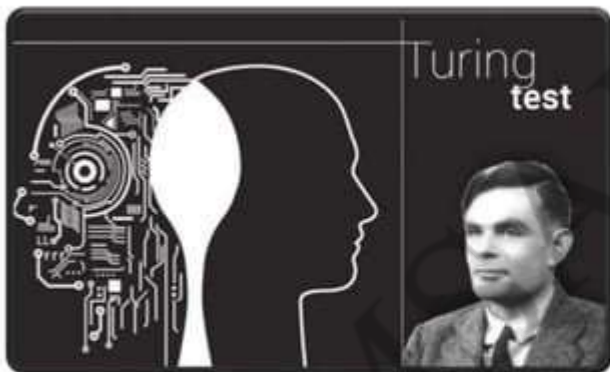
Cortana



Google Now, Siri and Cortana are all intelligent digital personal assistants on various platforms (iOS, Android, and Windows Mobile). In short, they help find useful information when we ask for it using our voice.

We can use them to make calls, send messages, set reminders, take notes, recognize music, find great restaurants, check your calendar, and more.

Early History



- In 1950 English mathematician Alan Turing wrote a landmark paper titled "Computing Machinery and Intelligence" that asked the question: "Can machines think?"
- Further work came out of a 1956 workshop at Dartmouth sponsored by John McCarthy. In the proposal for that workshop, he coined the phrase a "study of Artificial Intelligence"

THE RISE OF ARTIFICIAL INTELLIGENCE



CURRENT STATUS OF AI

- ❖ AI have taken many shapes and forms over recent years
 - Mobile Phones (Siri/ Cortana)
 - Video Games Characters
 - GPS/ Voice Recognition
 - Robotics
- ❖ Google has been a major play on AI transcendence and Deep Learning.
 - Deep learning is a machine learning based on algorithms.

CHALLENGES

- Computing Power
- Tolerance Power
- Intuitive Thinking
- Judging Power



FUTURE OF AI

- Beyond negotiation, Moore says CMU is betting several other AI areas are going to be hugely important in the near future.
- Self Driving Cars.
- Improved Medical Care & Treatment.
- Open up doors to future explorations.
- Etc.



PROS & CONS

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- Precision and Accuracy
 - Space exploration
 - Used for mining process
 - Can do laborious tasks
 - Fraud detection, manage records.
 - Lacking the emotional side
 - Can do repetitive and time-consuming tasks
 - Robotic pets, Robotic radiosurgery.
 - Function without stopping, Risk Reducing.
 - Diagnosis and Treatment
 - Cost incurred in the maintenance and repair
 - Not able to act any different
 - Lack the human touch
 - Lack a creative mind
 - Lack common sense
 - Unemployment
 - Abilities of humans may diminish
 - Robots superseding humans
 - Humans may became dependent on machines.
 - Wrong hands causes destruction

CONCLUSION

- *Finally we can say that the Artificial Intelligence (AI) is the intelligence of machines and the branch of Computer Science that aims to create it. AI textbooks define the field as “The Study and Design of Intelligent Agents” where an intelligent agent is a system that perceives it’s environment and takes actions that maximize the chances of it’s success. John McCarthy ,who coined the term in 1955, defines it as “The Science and Engineering of making intelligent Machines”*

Thank You!