**Introduction to AI**

**What is AI?**

John McCarthy, who is the father of Artificial Intelligence, described Artificial Intelligence as “The science and engineering of making intelligent machines, especially intelligent computer programs”. Artificial Intelligence is the intelligence that machines demonstrate. It allows us to create machines that can perform multiple tasks and solve real problems without error.

Artificial Intelligence takes data (especially [big data](https://lms.clarusway.com/mod/lesson/view.php?id=996" \o "Big Data)) as input and builds a model that can predict. Predictions make it seem as if the computer is thinking. This makes guesses about new data. So machines become smart and intelligent.

| **https://docs.google.com/uc?id=1G92kVQGNzYXlG5d3FPKqZvUwl9Wc78HF** |
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| *AI Processes* |

**Q: What is Artificial Intelligence?**  
A: Artificial Intelligence is a field of computer science wherein the cognitive functions of the human brain are studied and tried to be replicated on a machine/system. Artificial Intelligence is today widely used for various applications like computer vision, speech recognition, decision-making, perception, reasoning, cognitive capabilities, and so on

**History of AI**

| **https://docs.google.com/uc?id=14B9vM-RwetiXo_j-lHuqWFILsRVbYEvy** |
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| *Short history of Artificial Intelligence* |

**Q: What is Turing test?**A: The Turing test is a method to test a machine’s ability to match the human-level intelligence. A machine is used to challenge human intelligence, and when it passes the test it is considered intelligent. Yet a machine could be viewed as intelligent without sufficiently knowing how to mimic a human.