

Artificial Intelligence (Abstract)

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This work was done mostly with internet research. In this research paper we will answer what an AI is, the latest technologies, how far intelligent decisions can be defined, how an AI can be developed and learned, what are the differences between AIs and what is the Turing Test.

In the present and near future, artificial intelligences play a major role. With artificial intelligence, a human try to make a machine think and create an intelligent being that can handle dexterity, reasoning, and learning. They are used in many areas of technology and automation. This rapid development of artificial intelligences is made possible by machine learning and deep learning, which makes computers mimic a human brain and gather empirical data.

Uniting Machine Learning with Deep Learning can produce AI that already outperforms humans in a specific domain. The goal, however, is to create AI that can at least compete against, if not outperform, a human in every domain. What is disputed, however, is when a computer is an AI. Through the Turing Test, a big hurdle is set for a computer to claim that it is an AI, although the test also has some critics. At least for current types of AI, the Turing Test is difficult to pass, while for future AI it should become an ease. With a little time, AI will surpass the human brain and become normalized in our society. Through an incredibly high number of re-runs of an AI using machine learning and deep learning, an AI can reach heights that a human cannot imagine.

Unfortunately, an AI that not only exceeds the expectations of a human being, but that goes completely beyond the scope, is still a long way off, but by no means impossible.