

Choose the correct form of the highlighted words in the following passage:

Artificial intelligence, or AI, are a field of research in computer science that deal with the possibility of creating machines that may perform activities that, from the point of view of human beings, is intelligent. The most general definition are as follows: it is the science and engineering of making intelligent machines, especially intelligent computer programs. The possibility of creating a sentient being that is not human have fascinated scientists since ancient times. Already in ancient Egyptian and Grecian folklore we find descriptions of thinking inanimate beings created by humans.

However, this dream is now beginning to become a reality. Only in the middle of the 20th century the technical level of humanity grew high enough to start thinking about the actual possibility of building such machines. The main idea behind the whole notion are that the characteristic that distinguish human from other living beings, his intelligence, may be studied and described thoroughly enough to create a computer program that would effectively imitate human's thought and behaviour. In the beginning of its active study, the problem were viewed upon with optimism, because the possibility of creating artificial intelligence seemed to be a rather easily attainable one, but further research showed that the problem is much deeper than that and require greater scientific level. Modern times are widely known as AI winter, because the majority of projects working in this direction have suffered from loss of funding and was closed.

The industry now are divided in itself, with various trend fields concentrated around particular problems, ideas or individual scientists who cannot come to an agreement even as to what they are trying to create in the long run. Most modern research in the field are done behind the scenes, with those who started this concept slowly moving in other directions. The most successful implementation of AI lies in narrow spheres of knowledge, such as medical diagnosing and, in fact, due to exactly that reason — the fact that they tried to cover a single area.

As of now, study in the field of artificial intelligence both stands unmoved and developed — because many of the initial goals has been dropped. But the computer industry develop all the time and very soon we may witness a new breakthrough — and maybe then the computational power of PCs will be enough to fulfil that dream.