

GEBZE TEKNİK ÜNİVERSİTESİ

MÜHENDİSLİK FAKÜLTESİ-BİLGİSAYAR MÜHENDİSLİĞİ

NAME	HAMZA
SURNAME	YOĞURTCUOĞLU
NO	171044086

CLASS	Bilgisayar Bilimlerine Giriş-BIL101
TEACHERS	FATİH ERDOĞAN SEVİLGİN

**ARTIFICIAL INTELLIGENCE
WILL ARTIFICIAL INTELLIGENCE BE LIKE HUMAN?**

Firstly, I wanna describe meaning of intelligence that is understanding of relations between concepts and objects, thinkable. If a Human has this ability, the human has intelligence. If Everyone had done every issue we wouldn't have had different feature except humanoid robot. Some people occurred intelligence testing like Alfred Binet's I.test, Wechsler's I.test who wanted to know which people has which various intelligence. Therefore, people invented inventions that would make their work easier for them.

AD 1.c Alexander Heron built mechanical assemblies water and steam powered called mysterious vehicles. In this study, the discovery of the thermal machines was examined in the history of science. Thermal machines are machines that convert the chemical energy of fuels into mechanical action. In 1623 Wilhelm invented mechanical calculator. In 1672 Gottfried Leibniz developed a binary counting system that constitutes basis of today's computer . In 1946, First Computer was executed as a room-sized computer and was 30 ton. In 1950, Alan Turing occurred Turing Test.

Actually, When I say about Artificial intelligence, I had watched "enigma" film. German and Russian nations fought between them in Second World War. The Russians had been sending cryptographic message from center camp to fight field. In this way, they could be transferred to the place where the Russian soldiers had to be. The German Soldiers were always a one step behind. The German government collected some German scientist in order to solve these cryptographic messages. One of them is the famous mathematician Alan Turing who invented through Turing Test, the German has won this war. The goal of the test determines whether a machine can reasonably be thought of as a machine by controlling the attainment of human intelligence at the level of artificial intelligence. When The test processes asking programming questions with artificial intelligence. If Questioner doesn't understand either machine or human. Machine would pass Turing Test.

We think like same things are robotic and artificial intelligence. Robotic system has many department about mechanical engineer, aeronautical engineer, space engineer, electronics engineer, computer engineer which have been working together in order to create robotic system. I mean, when sensation system is integrated with artificial intelligence, robotic science occurs. These senses may be speaking, understanding, seeing, touching though which robot can deduce what it does like a human.

Artificial intelligence concept generally comes computer science to our mind but we include many different sciences which are mathematician , biology , psychology and philosophy. Developments in these areas may affect on developments of artificial intelligence, the same developments on artificial intelligence will also affect these science branches. So, on the basis of artificial intelligence is based human intelligence, that's why psychology so important to develop artificial intelligence. Psychology must know why behavior of humans tends to their own behaviors. In philosophy , the argument of artificial intelligence is about either no similarity or similarity between the functions of the human brain and the functions of the

computer. Some question can be asked in this area . For example, can computer think like a human?", "If computer says what it can think like human which feature is it has?".

The other major side is algorithm in artificial intelligence which has some step to solve problems. It is aimed at producing solutions at the best possible time, not the best result in problem solution. Firstly, It should find what problem is. Secondly, it should find to follow which way for solution. Thirdly, it need to do a case evaluation for its solution. Fourthly, it should execute this solution . If it isn't successful, it must come back to Second step. If machine follows these step it will be best possible solution. If our machine has no experience its problem. Our intuitive algorithm is better. For example, All people produce a solve when they don't have any solition. If we add this algorithm in artificial intelligence. We can approach more humanoid robot.

Some scientists have idea about artificial intelligence. For example, Stephen Hawking is looking pessimistic at this point. Hawking says, the idea that leaving middle-class jobs unemployed would increase economic inequality, which would also influence an important social and political . Many employees will struggle in order to live. But Tesla CEO's Elan Musk don't agree with Stephen Hawking. He says as a solution "Seeing that robot will take our jobs then they will be producing everything, so we can build a base model for everyone." I think. We havent fully discovered human brain and I want to interpret regiously humanoid artificial intelligence. If we have a soul and we will not reach directly humanoid robot. But The necessity of conducting a study within the framework of Islamic ethics is clearly seen. Our Muslim society should tend to this topic. Otherwise , if bad guys handle this gadget the wars never will haven't been finished.

Let me mention about some area of application of artificial intelligence. All of us are making a lot of shopping from Internet. For example , Amazon site has used 45.000 robotic in 20 distribution storage. Last years these numbers were 30.000 and 15.000 . Every year this number increases. That meaning is 45.000 unemployed. Used robot generally have chose product , pack up and transport. On the other side, Packets are sent by unmanned aerial vehicles in England . Unmanned car will take away from drivers. In Japan, the insurance company Fukoku started using IBM's Watson Artificial Intelligence software instead of the 34 insurers. Watson can examine hospital recording and other files to determine insurance money. Value of all system is 1,7 million dollar and company pay 128.000 dollar for maintenance per year. If People did these jobs , company would paid 2.8 million dollar. Industrial Revolution changed all world. Apparently , A.I will be done some changing.

Lastly, I talked about general meaning of artificial intelligence. The most basic feature that separates us from the living things on earth is intelligence. If we call people who has intelligence , can we call a smart phone as a human? I think. For now this is no answer. Because emotional state is preventing it . But we can't say the same for the future. Firstly We must completely describe what human is ...