



Human between the mind and artificial intelligence

Bouabdelli Aicha ^{1,*}, Mohamed ben abdesselam ²

¹ *University of djelfa (Algeria), profaichaphiloo@gmail.com*

² *University of djelfa (Algeria), maxsalam74@gmail.com*

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Abstract:

Man is the basic pillar and the first building block upon which a society is founded, because he always exists and is distinguished from the rest of living beings by means of knowledge and ability.

Choice and discrimination in action Therefore, we must shed light on the greatest creature that God Almighty has honored with the mind, by creating a comparison between this mind that this living being possesses and the challenges that the era is witnessing called artificial intelligence, and knowing where this human being is between these two things, whether the mind that is...

In the words of any

scientists and philosophers, between the human being and artificial intelligence, which is a new

technology that strives to develop complex information programs, where can you simulate human intelligence, that is, the mind?

Keywords: human - mind - artificial intelligence -knowledge - science

*Corresponding Author

I. INTRODUCTION

Man is considered as the center of existence. He is a being that exists by necessity, distinguished from the rest by the mechanism of knowledge, ability, and choice. He is the first in the type of creation and his position in terms of classification.

Mediation has occupied man since his existence, his thoughts were falling apart about himself and what surrounds him. He became in a conflict with nature to discover these small details and gain greater understanding of his existence. So, he began contemplating everything that attracts his mind, so that thoughts were generated within him in an order and a sequence to solve the dilemmas that obstruct his life. Thus, this is how the concept of knowledge has appeared. Human issues have been the concern of philosophers since ancient times, as they dealt with different knowledge and tried to solve the philosophical problems facing humanity at every stage. From this philosophical thinking, its perspectives changed by the change of living conditions of man, and philosophies in each specific era began to deal with man's issues, his lived reality and his future with the aim of achieving the most appropriate life. Therefore, things have changed from what is theoretical to what is applied, that is going beyond the level of theory to the reality of practice and application. One of the most important topics that has occupied the human is artificial intelligence as a modern topic.

Our study is only an attempt to spot the light on the concept of the artificial intelligence and also to provide us with an amount of information that will help us take the correct positions on the issues of civilizational change in our contemporary world, in which distances have been shortened to the minimum and the interaction of the global community has increased. The study aimed to place the human between two worlds, the world of innate human mind and the machine of science, i.e. artificial intelligence.

This study lies in the fact that it search about the greatest creature honoured by Allah Almighty and clarifys the true purpose of its creation in earth and is it possible to imitate this creation by spotting the light on this being between the innate mind and the artificial intelligence. From this point we can ask the following questions:

*Are the human intelligence and the artificial intelligence similar?

*Can a machine have a mind? And where is the position of human between mind and machine?

The nature of this topic impose us to use the comparative method in which we would compare between the human natural mind and the artificial intelligence.

The subject of the research for man has always been one of the subjects that preoccupied man the most. Therefore, there were different and numerous opinions about the definition of the term "human" each one according to its language, belief, and perceptions of being. So, the definitions have multiplied and branched out to the point that it is not possible to have a general comprehensive definition of it among all people.

Linguisticly

Among the linguistic definitions the word human in Arabic language in which the human is called " insan" , Djamil Saliba has defined the word " insan" " that its origin is the word " Insiyan" which means " forgetting" in English. So, it is called like that because human forgets. This word is directed for both male and female. Thus, if it is a singular we call it " insan" and when it is plural it is called " Elnaas" (people).

There is also another definition of Djibran Massoud. The word" insan " comes from the plural " Anasi" or " anasia" and it is the thinker or being creative for male and female as first. Second , it is the being creation that prospers in his thinking and ethics. Third, it is called in Arabic " insa Elaine" that means the black and view of eyes.

The definition of human in the Alwaseet dictionary was : " he is a muscular living creature plural of " Anasi" which means arrow or sword . The ideal human being is the one who excels the ordinary with the powers that he acquires through evaluation.

Terminologically

Lalande defines human in his enclopydia as five categories of human.

First, the creator human " homo Faber" and he said we think that the gist of human is to create both physically and morally to create things, and to build himself by his own. Second, the knowledgeable human " homo sapiens: he is the one made through the midiation of the creator human in his creation. Third, the speaking human " homo eoquase" , he is the one who doesn't make his thinking while he is thinking only thinking about his speech. Forth , the economic human " homo oeconomics" it refers to the human that his behaviours and actions are determined by his economic interests away from the ethical, religious, and spiritual sides. Fifth, the knowledgeable human " homo sapiens" , he is considered the first in all of the living kingdom according to Linneé classifications.

The origin of human

The most important thing that preoccupied the human in the existence is to know his origin, his upbringing, and how he came to this life? Where will this world take him? What is the difference between him and he other beings? Can his existence be explained by their existence? Why is there difference between his age and their ages? And other different and various questions about what surrounds him in the existence that confused and still confusing him. Therefore, there were who tried to give explanations and theories have been varied , and the explanations of the scientists and philosophers have differ from each other as well as for jurisprudents and analyzers each one according to his speciality and his scientific ability. That was from the ancient times, from the age of the old philosophers before Christ. So, the explanations were metaphysical and mythical according to what they were believing .

Through ages and with the appearance of religions that provides verses about human creation . Thus , the jurisprudents and clergies provided more explanation. After years the science has developed and there have been geological researches , about earth, and universal ones that have given different theories about the human, his origins, and his destiny.

The creation of human in the Quranic verses is established by Allah Almighty as well as prophetic hadeeth which are the words of the messenger that doesn't speak from his own but inspired by Allah Almighty. The holly Quran has tackled in its verses the creation of man, his origins, how he was created, and the stages of his development. Quran always refers to the origin of man's creation from dust in many verses as Allah said : " It is He who produced you from the earth " 5

The word " earth " was mentioned again in Surah An-najm , verse 32 , and Allah addressed the people by saying: " ... Indeed, we created you from dust..." This origin of dust is also repeated in Surah Al-Kahf [verse 37] and in Surah Al-Rum [verse 1] and in Surah Gafir [verse 67] Allah Almighty said : " It is He who created you from clay."

Therefore, human has been created from materials exist on Earth . Allah Almighty also mentions that human has been created from dust and he would return to it at the end of his life after his death and be revealed from it on the last day . Allah Almighty said: " by Allah he caused you to grow from the earth as plant. Then He will return you therein and bring you out in a new manner" and Allah said also : " From it we created you, and into it we will return you, from it we will bring you out another time"

In addition , Allah Almighty mentions his verses about the creation of man from water and from flesh , and even in then it concerns the development of the fetus from sperm and the sequence in creation, until it reaches a complete human being. Allah Almighty said: " And we created man from a race of clay . Then we made it a sperm , then we created the sperm with a leech . So we created the leech with bolus , so we created the bolus bones. "

Allah Almighty shows us that he has created human and valued him and preferred him among the other creations and differentiate him and created him beautifully and carefully. He also has categorised him with the good characteristics as Allah said: " we have created man in the best manner."

So, how can we believe that human being who is created in a best manner has origin from animal and that his cousin is monkey. Allah Almighty confirms to us that man is distinct in creation from all other creatures . Concerning the creation of women, it is mentioned in several verses like : " ... who created you from a single soul and created from it its mate..." And in Surah Az-zumar [verse 21] and there are other verses that refer to the same topic in Surah Al-Rum [verse 21] and in Surah Al-shura [verse 01].

There are also the prophetic hadeeth in which the messenger has spoken about the creation of the human and the universe and explaining the time of human appearance.

As it is said in the prophetic hadeeth told by Abu Hurayra : " Allah has created the soil on Saturday, and the traction on Monday, and he created the hateful thing on Tuesday, and he has created the light on Wednesday, and the animals on Thursday, and he has created Adam after the afternoon of Friday at the end of creation and in the last hour of the hours on Friday between afternoon and night"13.

In this hadeeth, the prophet showed us that the universe has been created in seven days and human has been created in the last and the seventh day afternoon. That what is confirmed by science in the sequence of the creation of universe and creation of universe and creations from earth to plants to animals and finally human .

According to science, several theories appeared to explain the origin of and search for man and his first appearance. These theories were called evaluation, because they considered living beings including plants, animals, and humans as a series of developments. The beginning was in the eighteenth century. The English physician Rasmus Darwin (1731_1802) , in collaboration with the French scientist Comte de Buffon (1707_1788) , stated that living things acquire certain characteristics as they adopt to the environment, and these characteristics are transmitted to the following generations through inheritance. For example, some animals exposed to shocks and wounds acquire armour-like skin, and then this trait is passed on to their offspring.

From that it is clear that the idea of evolution that was founded by Charles Darwin and which became more famous to him is that it's remnants were present in his grandfather, especially the idea of evolution through inheritance, but Charles modified it and added some other characteristics and ideas to it.

Definition of mind

Does mind have a place in the body?

Mind : linguistically

The mind as it is called in Arabic " Aleaql" which means in Arabic the stone and the prohibition against foolishness, and the rationale: what you attach and comprehend in your heart, and the mind: stead fatness in matters, and the mind is called reason because it keeps its owner from getting involved in dangers , i.e. it detains him ,so the mind is the one that detains his soul and rejects it. The mind of a thing makes it reason his understanding: preventing its owner from turning away from an evil path .

It is understood from these meanings of the mind that through it things are perceived and understood, and through it things are distinguished, and through it one knows what is in the interest of man and what is harmful to him. So, it is a reason for staying away from dangers and a reason for searching for benefits.

Terminologically

Scientists have defined the mind with many definitions, some of which make the mind as the soul because it had no perception without the soul. Some others make it the heart because the place of the mind is the heart. Others say that it is the human being because what distinguishes the human being from others is the mind, and some make it as an instinct by which sciences are known or the science itself. Some other scientists use the linguistic meaning of mind which is more suitable with its reality and sense. 16

The mind: it is the subtle means by which a person perceives sciences, meanings, and things, and with it he distinguishes between truth and falsehood, and what is beneficial and harmful. Some scholars use reason as a term in its linguistic meanings and it is the closest to define its truth and what it is.

Many scholars defined the mind as reasoning and comprehending the sciences, and they didn't pay attention to proving the essence of the mind or the machine by which a person reasons. Rather, they considered the mind to be the sciences themselves, and among them were those who did not generalize in that with all science, but rather placed it within the limits of the instructive sciences that everyone realises it. So, they said: "the mind is the basis of obligation" and "it is knowledge of some necessities". So, there is no obligation unless the mind exists, on the existence of those sciences that lead to the realisation of the truths of faith.

The meaning is not far from the holy Quran, as the mind refers to intelligibles and information that the mind perceives, as will be explained later.

The preferred definition of mind combining the previous definitions and others is that it is the ability by which a person perceives knowledge, meanings, and things, and by which he distinguishes between truth and falsehood, beneficial and harmful.

The meaning of our saying "subtle" means that the mind is a moral matter that exists, but it is not sensory even if it is linked to sensory sataye of the body

The mind as mentioned in the texts and their meanings, derivatives of the word mind have been mentioned many times in the holy Quran and Subah, and it is often applied to one of three things:

1 .The mind : in the sense of that is a machine for comprehending science, and the mind : in terms of the process of perception and reasoning that leads to the compression of science. Mind : in the sense of what is benefited. 18

2 .The mind means the thing by which a person understands bring you knowledge, meanings, and facts : and every place in which the obligation is lifted from the servant due to lack of reason.19

The prophet may Allah 's prayers and peace be upon him said : " the pen has has been lifted from three people: from the insane who lost his mind until he cures , from a sleeper

until he wakes up, and from the young person until he has a wet dream (grow up) " 20.

3 .The mind at the meaning of using mind in the process of reasoning, understanding, perception, and discrimination. Allah Almighty said:" And when they meet those who believe, they say ' we believe ' and when they are alone with one another they say ' will you inform them of what Allah had disclosed to you , so that they may bring you out there with from your lord . Will you not understand?" Which means why do you not use your minds to learn with then what you must know. The verse indicates that who has grasped, and bases his convictions and the orientations of his limbs in a way that agrees with that. He is truly rational, but whoever realises something and knows it and then acts contrary to it as if he is without reason, because he is equal to the unreasonable in not benefiting from his mind and information will be punished for that . That is used to raise the attention.

It seems that the mind that is for understanding is based in the brain while the heart that is responsible for decision in acceptance and rejection is placed in the chest . Allah Almighty said mentioning the unbelievers ' speech on the day of resurrection: " And they say ' had we only heard or reasoned , we would not have been among the inmates of hellfire" 22. These people did not use their minds, so they missed knowing the truth. As a result, their lives, desires, and deeds were all wrong and lost.

Allah Almighty said: " Indeed, in the creation of heavens and earth , and the alternative of night and day , and the ships that sail in the sea for the benefit of people, and in what Allah sent down from the sky of water and revived therewith the earth after its death . Behold He dispersed therein every living creature and the passing of the winds and clouds subdued between the heavens and the earth are signs for people who understand " 23.

The mind in philosophy

Lalande has defined the mind as: " a great power for work, it's effects are visible for us but he can not be revealed only in its practice of what is doing and is its success or failure of its attempts. We can also make the mind apply to itself the backward analysis, by which it interprets nature, and search for what is common in its disparate applications as well as in the generalization of the intermediate level towards which the most contemplative minds have begun to tend in their thinking" 14

Lalande has considered the mind to be a component of the monotheistic hypothesis of culture, but Al-Jabri ignored this and built his analysis of the Arab mind in particular on the basis of dividing it accurately classifying it into three categories, which are:

- 1 .Statement
- 2 .The proof
- 3 .Gratitude 25

The French philosopher Descartes defines it by saying that the mind is history... These knowledges competed and struggled to produce and then returned to the same movement until man followed his civilization... The mind is the faculty of rejection and acceptance in man, and it is the faculty of distinction, choice, and reversal. 26

Despite the differences in defining the mind by scientists or thinkers, Arab or Westerns, Muslims or non-muslims , the mind is still the great factor that Allah Almighty has differentiated the human among the other creations by having it. This special position appears mainly in the attempts of inventing a similar version of this factor.

The artificial intelligence

Scientists define artificial intelligence as the set of the theoretical and technical endeavours that work hard to develop complex information programs and be able to simulate human intelligence in reasoning, proving, and learning.

The term " artificial intelligence" is invented by the computing scientist John McCarthy (1927/2011) in the seventies of the twentieth century. We can identify its most important criteria, which are generalization and abstraction, recognising similarities in different situations, adopting to new situations, and discovering errors and trying correct them . 27

Another description of the artificial intelligence is the way how you describe a computer machine within the field of intelligence. 28

Perhaps the main common concept of the artificial intelligence is that it is considered as a computer machine compared to the human intelligence.

The artificial intelligence is " simulating a human on a computer to make it work efficiently to identify the exact correct knowledge data and employ this knowledge as a step in solving a certain problem. 29

These may be considered as the main three important reasons that lead to the artificial intelligence success:

- 1 .A huge amount of stored and persistent information.
- 2 .Computing information capacity beyond imagination.
- 3 .Revolutionary computational algorithms not adopted by the human mind.

On one hand , the artificial intelligence has constituted a revolution in the world of technologies, and the human being on the other hand. This is mainly because it competes with the human mind which works as as result of the interaction of a group of factors as it is said by supporters the experimental school. Without the senses that work to transfer the elements of the external world to mind, the mind would not be able to perceive it. It could be said that is true that mind can perceive the external world without senses . However, feelings themselves affect the work of the mind unlike the artificial intelligence that is like a machine

without any feelings. So, human is built on sensory, cognitive, and emotional capabilities.

It could be said that the artificial intelligence can replace the human intelligence but it can not feel it's intelligence because it has no feelings. Here, scientists can figure out two kinds of artificial intelligence that are : the weak artificial intelligence and the strong artificial intelligence.

The strong artificial intelligence has a great degree of strength that enables it to achieve the same level of its invitor's intelligence or even exceed it .

The question is ,whether an inanimate machine made of trans-litre silicone can think, or maybe has sensations and feelings, and has a mind , is possed by the American writer Martin Gardener in his researches if science philosophy from 1985. It could be said that the machine can think as the American mathematician Clande Shannon (1916/ 2001) argues saying : " I think not like that" 31 which means that there is correspondence between human and machine intellect and the human is the link between them since both of them serve the human being in facilitating the process of adaptation and communication with others.

As for the weak artificial intelligence, it doesn't mean that it suffers from weakness in its intellectual orientations, but rather it confirms that it is impossible for the artificial intelligence to access software similar to or close to human mental level and this is what was confirmed by Djwizi Sayer when he said : " the attempts of the artificial intelligence by relying on the widespread computer theory of mind doesn't depend only on the spector of a dream of reaching satisfactory results, but it is high time to direct the effort expended by researchers in the field of artificial intelligence... and the huge amounts of money on their attempts to reach wooded street instead of what the computer theory aspires to " 32.

No one can deny the role of mind in the human life because it is the only thing that differentiates the human from the other living beings . In addition, it is considered as the main engine for human because it facilitates it's living style in this world. It can not be denied that the artificial intelligence has made great effect and still doing that by facilitating our everyday missions in all the human life fields economic, educational, cultural, health ... Artificial intelligence helps to make better decisions in a short period of time because a situation requires logical analysis. The part here is that it affects the mood and thus the work can be completed in less time and in a more efficient manner.

Here it could be said that the artificial intelligence has enabled the humans to move the wheel of thinking towards the future thanks to the revolution it has bought about in various aspects of human life. In addition, it is distinguished by its great superiority over the human mind in terms of the tremendous speed it has in processing information.

Conclusion

To summarize what could be said is that human today has become subject between the human innate mind and the artificial intelligence which the scientists are working with it no longer caring about pushing it to the strong trends or what holds it to the weak trend. It is enough that a person is no longer going to spend a long time for searching information through books and encyclopaedia. Rather, it is sufficient to type one sentence in the digital search engines to receive information faster and with less effort from all over the world and in any language.

In addition, human with his mind is not able to recognise the infinite amount of information that is difficult for him while it is extremely easy for the artificial intelligence.

It could be said that human can not deny the role of the artificial intelligence in shortening distances and saving effort and time. However, robots can not achieve the human's ability in analysing and depending on himself to solve his knowledgeable problems thanks to his feelings and emotions. Therefore, man is closer in ease of dealing with the mind, as he invented it to help him overcome the time's challenges and any rational man would consider it as the gate way to reach civilization.

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