

## AI : Opportunities, Challenges and Experts views

\*Mr. Chandratre Y. V.

\*\*Dr. L. D. Bhor

### Introduction :

The concept of artificial intelligence is that computer systems have to be used to do tasks that normally require a human. These include Speech Recognition and translation in different languages and all that include visual perceptions and even decision making.

The focus of research in AI is primarily on the following components: using learning, reasoning, problem solving, perception, and language.

According to John McCarthy, father of Artificial Intelligence, "It is science and engineering to create intelligent machines, especially to create intelligent computer programs".

In short, the intelligent behavior shown by artificial objects is called artificial intelligence. There is a close connection between computer and artificial objects.

### History of AI

Artificial intelligence is a success of man's unimaginable imagination and consistent experimentation. In 1943, the researchers of MacLock and Pitts presented the concept of analytical technique. In the year 1950, Isaac Asimov gave information about robotics in the novel "I Robot". Then Allen Touring, the researcher presents the concept of a touring test that tests the intellectual ability of the device in its 'Computing Machinery and Intelligence' search process.

In 1955, John McCarthy presented the concept of 'Artificial Intelligence' to the world first. He used the science – technology and engineering to create intelligent devices. From 1956 the development of artificial intelligence was really stimulated. Researchers from around the world have resolved to focus more on the development of artificial intelligence in Dartmouth Conference.

The computer made by IBM, Deep Blue, defeated world-renowned chess player Gary Kasparov in 1990, and found that artificial intelligence has the potential of this technology.

### Opportunities and Challenges of AI

Since artificial intelligence is used in all areas, young people have got new employment opportunities, while at the same time, new challenges have been raised in front of them.

1. There are many opportunities for young people through artificial intelligence. Today, there are places for young people in many research institutes and big industries to find information on various issues and reduce the number of human strength through it.

2. B.Sc., B.Com, Engineering, Architect, Language, etc. students who work in diverse fields as a Researcher in AI area, because AI is in the form of a device.

3. As in the field of medical, doctors can use their own education and brain to diagnose the disease, if you add the same information to an AI device, then you know the disease diagnosis. So, of course, it saves the man's time and efforts. AI is also used in robotics to take care of the patient. Artificial intelligence is used to understand the heart rate and other medical images.

4. It is also used in the cosmetic industry. Prior to beauty technology and cosmetic surgery, diagnosis of face or skin related problems needs to be done, so that the knowledge of this can be useful to the industry if it has been stored in AI medium. There will be a lot of other time to develop AI in this area. But, if it happens, the film, make-up, cosmetics and general lifestyle of the modeling world will not be complete without make-up, cosmetics; there will definitely be a radical change.

5. It is important to know how AI will work in the field of music. In 2016, Artist Intelligence Visual Artist (AIFA) was created as a master vocalist in the world's first classical and symphony music. Now efforts are being made to use the AI for opera music.

6. Robots have been designed to make children adopt new learning methods in the field of education. This is called 'ITS'. Some such classes are prepared where knowledge is stored in the AI according to the needs of those youths, and through them they are taught through the Massive Open Online course.

7. AI is also used to create Resume in Human Resources, Rank according to children's capabilities, and online telephone services.

\* HOD, Computer Department C. D. Jain College of Commerce, Shirampur, Dist – Ahmednagar

\*\*Principal, C. D. Jain College of Commerce, Shirampur, Dist – Ahmednagar

8.Today, in the stock market a few lakhs of Trend goes down a day, now it will be easier to make a crossover through AI, hence the turnover of the shares on the same computer in this area will increase twice due to AI. Therefore, future self-made purchases, equities, debits will be sold. The new generation is madly running after the research in this field.

9.AI is widely used in the entertainment field. Artificial intelligence is also used in TV, movies, advertisements, social media, video, blogs and digital photos.

10. It is easy to control the unmanned rummaging robots (programmed robots), because they have information. But robots with artificial intelligence can change their intelligence and they can change at a faster rate than human learning. Therefore, it is impossible for humans to keep an eye on them. The best example of this situation is the virus of AIDS (Virus). These viruses change our structure until it detects the virus and discovers the vaccine, so that the vaccine becomes useless. Instead of controlling the robots, humans can be controlled by robots. What to do in such a situation is a big challenge.

11. AI has raised a major internal crisis for humans. When all the known functions of the human brain begin to produce robots, the brain's work will be reduced. When the brain does not have much work, then the brain will tilt towards entertainment. This is a challenge before human beings. It could be harmful for the human beings because in future man would depend upon robots more than his own capacities.

### **Experts Views on AI**

Today Science has proved many things that were just impossible 50 years ago. As a human, everything we do is also done by the technology. There is currently a worldwide meditation on artificial intelligence topics. If everything is done through the machine, then what is the use of man? The views of renowned philosophers, entrepreneurs and programmers of IT Sectors are as follows :

#### **1.Stephen Hawking**

Stephen, a theoretical physicist, writer and physicist of the Black Hole Physics, seems to be the biggest event in human history. Through this, we can overcome war, disease and poverty. This will give life a tremendous speed. The development of financial markets, human research, and weapons will be beyond understanding. If we do not understand how to avoid the dangers in it, they will give it a warning that it will be the last event in human history.

#### **2.Bill Gates**

Microsoft co-founder Bill Gates says, "It will be a suitable replacement for the low-lying laborers. This technology is perfect. It should be used only positive thoughts. Worry will be increased when this technology is seen everywhere in the next few decades."

#### **3. MieshiyaKaku**

According to the best-selling author and theoretical physicist Kaku, this is the end of the century's difficulties.

#### **4. Ray Karzewell**

According to Ray, director of Google's engineering department, you have achieved this success by 2022. It will be of great help in stopping pathogens and environmental degradation.

#### **5. Elion Musk**

Testo Motors CEO and entrepreneur Elon says, this is the biggest risk taken by experience. In the name of progress we should not take any insane step nor think about it. Of course, it should be used as a good idea.

#### **6. Sam Altman**

The development of artificial intelligence is the subject of Altman's study. Some people can now benefit from this artificial intelligence. That is why all of us need to get it. A computer programmer, Altman is the President of Startup Incubator says that, "with this technology, man's intelligence will lead the leader a few decades later. But it should be made available to all without leaving a few people."

#### **7. Elon Musk**

Elon Musk is a South African-born American entrepreneur and businessman says, "The pace of progress in artificial intelligence is incredibly fast. Unless you have direct exposure to groups like Deepmind, you have no idea how fast—it is growing at a pace close to exponential. The risk of something seriously dangerous happening is in the five-year timeframe. 10 years at most." —wrote in a comment on Edge.org

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