

“ARTIFICIAL INTELLIGENCE THE DIGITAL MIND”

Since the advent of computers people have wondered if these devices can be induced with the power of Intelligence to think the way humans think. It was in the year 1955, John McCarthy, of Dartmouth College, New Hampshire proposed a conference to study the issue of Intelligence research. In this proposal, he used the phrase “Artificial Intelligence” for the first time, and an entire branch of knowledge was born. Artificial Intelligence (AI) is the fundamental science dealing with the simulation of human intelligent processes by machines, prominently by computer systems. AI is the future of computation that will make life easier for the humans.

AI is the branch of science that has its base rooted in every field, right from technology to medical science, mechanical machines, electrical devices, etc. The first intelligent expert system was developed in the year 1974 that changed the face of medicine. The expert system was devised the name as MYCIN which diagnosed the bacterial infections of blood and suggested treatments to them, which were better than the medical students and doctors. Another such intelligent device was used by the United Airlines in 1990's. United Airlines replaced its keyboard used for flight information by the system that incorporated speech recognition technique. AI received the valued significance in the year 1997, when IBM designed an intelligent super computer named as DEEP BLUE that defeated the world chess champion Gary Kasparov.

Today, we are so very obsessed with the social networking sites such as Facebook, Twitter, Google plus, Instagram that we hardly give a thought to the fact of how these sites actually operate? All these sites are actually intelligent systems. Let me elaborate with an example. There's a concept of Hashtags (“#”) used in all these systems that identifies messages of a specific genre. Hashtags help in clubbing the messages using which one can search for the hashtag and get the set of messages that they are interested in. Another feature that's present in Twitter and is recently added to the fb family is that of “Trending topics”. The most popular topics discussed on Twitter are added to this section collecting all the tweets from around the world. Do we have the perception of how the stuff works at the back-end? No, but the answer is simple; AI technique is implemented in this scenario wherein the intelligence is inhabited in such a manner that the intelligent system tugs and captures the most discussed topics, tweets, etc and clusters it into a section which is then called as “Trending topics”. This phenomenon enumerates the concept of Artificial intelligence.

Recently Google launched its Google glass, an intelligent device with loads of features and specifications. Each feature operating on the AI concept. It is a completely new product that might outplay the smartphones in the years to come. Some of its notable features include recording videos and taking pictures on a go. You need not touch the hardware for the task to be completed; just say a word and the picture will be taken. The speech recognition technique is applied in this case. It has the inbuilt functionality that shows messages and emails. If you have the habit of googling the stuff, then google glasses are a feast for you; simply ask a question and the results will be shown. This device has google maps integrated into the glass that can chart the course of your journey. One can share live videos in a real time; for example if you are attending any concert, function, etc you can share it with your family, friends at that very instance. These glasses have inbuilt intelligence that will keep a track of your food habits, what time you leave for office, your route, in case of traffic, alternative route to the destination will be displayed onto the glasses. Every single feature has a different intelligent system like speech recognition, image recognition, etc operating individually without interrupting the other operations. This is the power of Artificial Intelligence The Digital Mind.



Fig: Google glass (Image taken from wikipedia)

In the coming decades AI will form the base of all the machineries that will be self-operated. Google's top expert Mr. Ray Kurzweil, director of engineering at Google has rightly predicted that by 2029, computers will be cleverer to humans. They will learn from experiences, crack jokes, even flirt. In a nutshell computers will outsmart humans by 2029 and the backbone off these systems will be ruled by the concept of “Artificial Intelligence”.

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