

Know About Artificial Intelligence (BCIC)

Artificial Intelligence was invented by Stanford researcher- John McCarthy in 1956. It is a machine or computer programming, which is constructed to behave like a human being. The machine is implanted with the required technology to assist and help without intervention of human beings. It is totally independent of human interference and can suggest and take decision for and on specific situations.

Artificial Intelligence is like a human intelligence on platform where it will show behaviours like- learning, reasoning, planning, problem solving, perception, knowledge representation, motion, manipulation, and to some extent social intelligence and creativity etc; all of which are radically related with human intelligence.

What are the applications of AI?

Artificial Intelligence is omnipresent and beyond the debate of its presence and application in our daily life. We are getting immersed in Artificial Intelligence, without being consciously aware of the way it is shaping our present and future. It is impacting our lifestyles and decisions every hour of the day.

In our daily life it is applied to suggest your shopping preferences, to detect spam, to identify a picture, and many more. Let us discuss in detail the areas that are being swept off by AI.

1. Smartphones

It is impossible to imagine life without smartphone. We are completely dependent on smart phone for our day-day activity. While we acknowledge some processes, we take for granted many services we use. Our smartphone is the biggest example of artificial intelligence. Like the

- Built-in smart assistant, like Google Assistant, Siri, Alexa or Bixby, are all based on AI.
- The portrait mode in camera, that can catch good portrait shots with just one lens is possible because of AI.
- With incorporation of AI in smart phones, attributes like scene detection, virtual and artificial reality features, language translation, navigation, are all available under our thumbs and are a part of AI.
- It is all because of AI that apps like splices, app actions, adaptive battery in Android Pie and Siri suggestions and shortcuts in iOS 12 is achievable.

2. Drones and Smart Cars

We have been hearing a lot about drones and automatic cars and driverless cars. While some like driverless cars are still in their testing stage others like drones and fully-automatic cars are already a reality. Tesla has been on the road of inventing automated cars and driverless cars with the application of AI. How else can we have a fully automated smart car and drones?

All the Tesla cars relate to each other through AI. If the driver faces a difficult turn, it transmits the details to all Tesla cars. This information is transmitted through AI which then guides the driver going through that route.

Drones have been in use by military people for multiple functions. However, Amazon & Walmart are procuring drones to deliver their products. Soon you may see your purchase flying across and landing to your doorsteps with the help of drones. All this will be possible very soon, with the help of AI.

3. Social Media

Your social media feeds that you receive is curated by AI, based on your past behaviour, likes and dislikes, interactions, web searches etc. The AI considers and tailors the feed you may like. The AI can also force your decisions to visit an app or site, without you feeling forced. It can recommend videos or add songs in your playlist. You may be in throes of them without even realizing that they are being guided by AI.

The video games industry may be the first adopter of AI. The multiple levels of games and playing against the coach, before you play with the real player are all examples of application of AI. The different strategies and scenes are all created by AI. So, whenever we are playing any game we are assisted by AI.

Imagine what would happen if our social media platform would display random ads to random audiences. It would be all messed up with lot of resources wasted. AI helps to detect, sort out statistics and based on those statistics ads are served to related audience. The global digital ad industry is completely dependent on AI and so far, has cut 250 billion US dollar, and is expected to cut 300 billion mark by 2019.

4. Banking and Finances

The AI has facilitated many banking activities like customer services, investment, fraud detection/protection, receiving emails after every transaction, organize operations, stock investment, property management, data analysis, and suggest best avenues to invest money with best returns.

5. Smart devices

Automated lights, temperature setting, voice instruction devices, have permeated our homes, making our home smarter and technologically driven. There is a good demand of smart homes driven by AI.

The automated street lights and traffic signals are all examples of AI in our daily lives.

The security and surveillance cameras are also taken care by AI. We rely for security more on AI than humans, whether at home or outside. The CCTV footage on roads can be best monitored by AI, as it is not possible for humans to manage all.

AI is making a great impact on education and health. We can use AI to monitor our health, check blood sugar and blood pressure, help doctors to diagnose better and perform complicated surgeries.

It can be used to provide individual training for students, any number of times they wish to.
Can be used for special children with special needs to educate them.

With AI it is possible to conduct difficult life-threatening situation without risking human lives. It can conduct well in rescue operations, fire-fighting, bomb disposal, pipe inspection, exploration of unknown and dangerous environments.

The future usage of AI will increase manifold and in multiple and diverse areas.