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AI is overcoming our mental limitation but not expanding our mental horizon.

Artificial intelligence (AI) has become omnipresent these days. We are all surrounded by voice assistants like Alexa by Amazon, Siri by Apple to name a few. They help simplify our tasks for us like reminding us our schedule or to take ^{timely} medicines while ^{also} answering all our queries. This is the one side of these AI powered assistants.

On the other hand, AI is also becoming a platform to display our social cleavages. For instance, the naming of such "assistants" is by default a name of a female. A typical stereotype to see women

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as side helper in patriarchal world. Further, the AI assistant used by hospital in United Kingdom is called 'Watson' (a male name) due to its greater productive work.

The above example clearly ~~expt~~ shows how AI on one hand has allowed humans to overcome their mental limitation but on the other our overall horizon/approach to AI has not grown. This reflects the dichotomy that AI has brought before us.

Before we dive deep into the topic, it becomes important to understand a few basic aspects. AI is simply a technology that can take its own decisions based on machine and deep learning methods. It is a 'machine that programs itself'.

Moreover, mental limitations is the inability to process huge information due to cognitive limitations. Modern Anthropologists called humans as "Stone Agers in the fast lane world".

Next, our mental horizon denotes our overall thinking capacity. It involves the fair and ethical application of AI after the preprocessing aspect. Let us now explore how AI is helping us overcome mental limitations.

AI as an extra intelligence for mankind.

A human mind has its own shortfalls. For instance it cannot figure out the state of health of a person deeply merely by seeing. With AI this can be overcome.

For example, Google has developed a tool for doctors to use retina scan to check the probability of cardiac disease through ^{AI} preprocessing.

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Thus, allow us to expand our senses beyond the five possessed by humans.

Similarly, our mind can suffer from inability to process huge data available today.

With AI this can change. Take the case of Comptroller & Auditor General (CAG) who is using AI to check funds in schemes usage. Recently, found that same image in application of more than 200 forms under PM-GDISHA list.

Just like administration, AI is also helping better decision making in corporate space.

Usually interview screening is prone to biases.

But with AI, WIPRO is using an AI powered bot to select candidates through video interviews. Thus helping overcoming the mental limitations of human business.

Not just corporate, AI is changing the lives of individuals too. Take the case of self driving cars of Tesla. These cars are helping to make roads safer and augment a human driving in a car. The automated feedback and adaptation reduces load on the feeble mind of humans.

Even when AI has helped humans overcome their mental boundaries has it allowed it to expand it further OR there are some issues in that? Let us evaluate them in detail.

AI : Chained by our mental horizon

The usage of AI by humans is still bound by the shackles of existing mental horizon.

The space of AI is witnessing similar hemispheric crises like in real world. Take the

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case of a rape in Metaverse recently. This shows how AI is still bound by our poor patriarchal mental horizon.

Further, AI is becoming a tool for exploitation in virtual world. Big corporates/MNCs are using AI to impinge on privacy for their material wealth. Targeted ads to fuel consumerism clearly shows the our cognitive boundaries are yet to enlarge just like the real world.

Not only privacy invasion, AI is also being used to spread lies through fake news. The usage of deep fakes which are very difficult to be distinguished from real ones are case in point. AI is becoming a tool to lay down a "post truth world"

Without denial, this is a form of check on our growth of overall mental capability.

Apart from fake news, AI has also created several other challenges. Take the case of violation of copyrights by using OpenAI's ChatGPT for parody. It has also fuelled a crisis for threat to jobs. For instance the writers strike in Hollywood was due to the same. All these rightly, disclose that AI has not altered our overall mind to expand rather only overcome its few limitations.

After discussing the shortfalls of AI, can one conclude that the technology itself is wrong? Recently the founder of ChatGPT confessed of "creating a monster" in the

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form of its chatbot. However the technology is not wrong rather its usage makes the difference. The need is for proper regulation of AI to ensure proper benefits from the same can be extracted.

There are several steps which are being taken in this direction. India has set-up the V. Kanakoti Panel to explore the usage of AI. Moreover, 3 centres of excellence have been proposed along with PM Karmshil Vikas Yojana 4.0 for training in AI by the Budget 2023-24. Globally, a partnership named "Global Partnership for AI" (GPAI) has been a front to develop global regulations for AI.

The need of the hour is to

incorporate the ethics in usage of technology.

As no one can fully check AI but its usage can be regulated. The need is to take upskilling measures so that one can achieve "AI for All" as called out by NITI Aayog. The idea of "Scientific Humanism" put forward by Pt. Nehru can also allow to develop a human centric AI which expands our mental horizon too.

Victor Hugo has rightly said "No one can stop a force whose time has come". As of now AI is the force all round us. What we need is to push beyond the changes

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of existing world and make AI work
for human good. We are standing at
a cross-road whether either AI
can ~~be~~ lead to perish of human
race without bondage while on other
it can lead to a better real and
a virtual world for future generations.

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