

AI is used to expand abilities of people so that they can delve into creative spaces and accomplish more in their lives.

AI access can be defined as the mission where world's information can be organized and made universally accessible and useful to all. AI inclusion suggests making researches, tools, systems and scientific developments available to solve problems of the world. The sole aim is to provide an ease of access to AI technology which can be used to help people so that it is socially beneficial, fair, accountable, and works for everyone while solving humanitarian and environmental challenges.

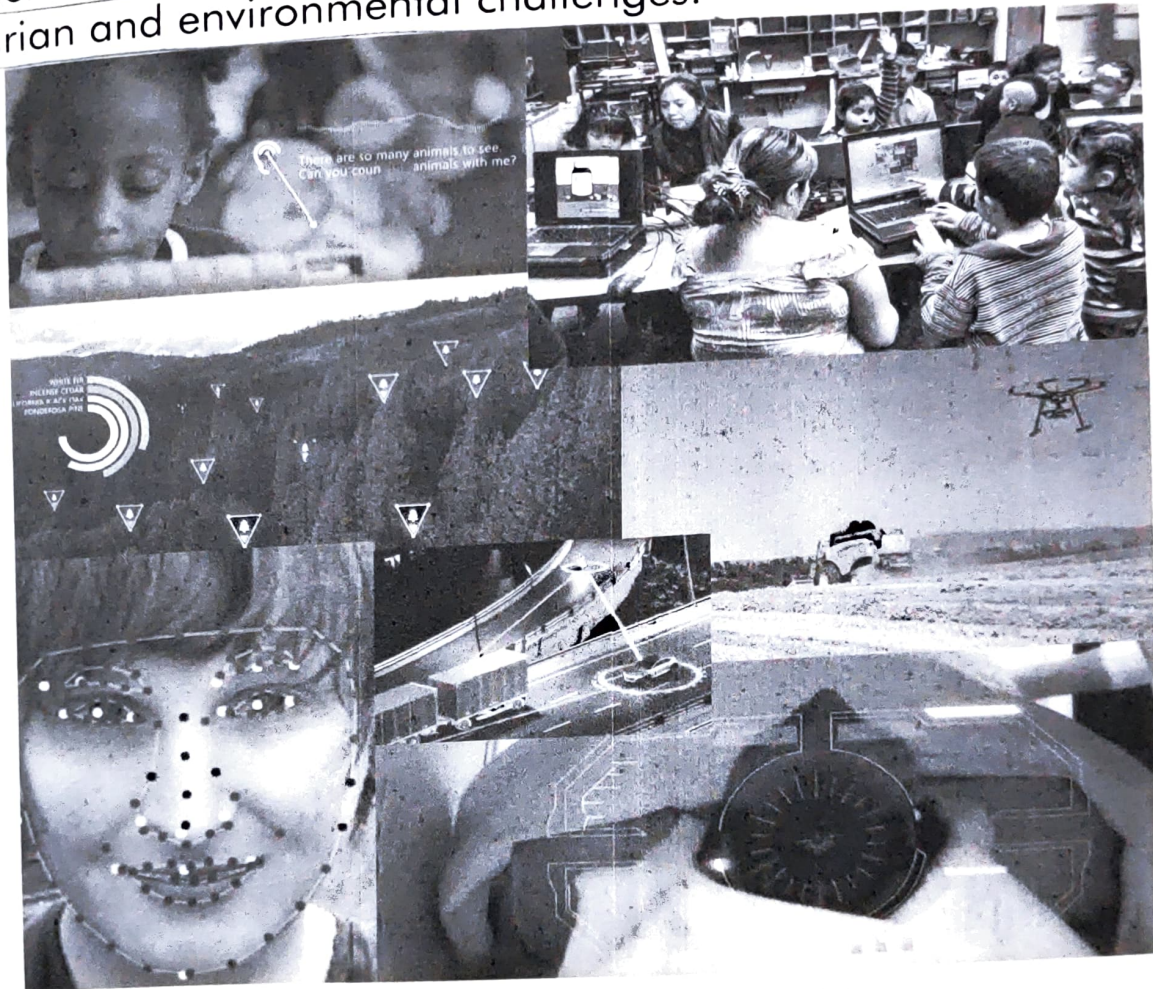


Figure 5.5: AI can help solve many problems

Artificial Intelligence provides immense potential to gather, analyze, and combine vast quantities of data from different sources potentially increasing an immense impact on privacy. It is necessary to understand the privacy issue to further counter how to deal with shaping the debate around it.

AI privacy is defined as one's ability to control how our digital data is being stored, modified, and exchanged between different parties. Social agencies like the government and multiple corporations can use different techniques to

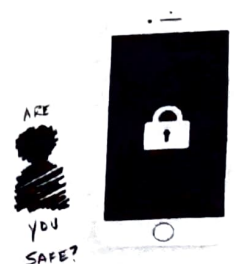


Figure 5.6: AI Privacy

identify, profile and directly affect one's life without even them knowing about it. With advanced AI algorithms, such fears about these agencies being able to make an impact on our lives, is increasing.

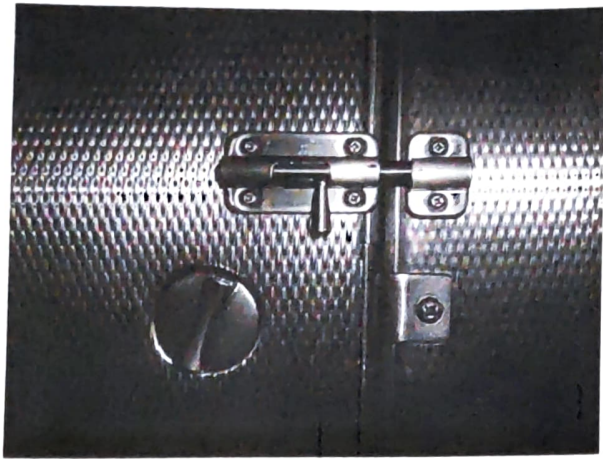


Figure 5.7: AI Privacy

AI works best with information gathering and computations are done at a good speed which improves data analysis. What sounds scarier is not being able to comprehend how much data devices generate, process, and share which makes us potentially vulnerable to exploitation. AI can track and monitor personal and non-personal data such as keeping track of facial and voice marks for recognition purposes by legal authorities.

Certain sophisticated AI techniques can even predict emotional states of humans while others can deduce political views, sexual orientation, and overall health too. Sometimes, such algorithms also limit access to things like credit, employment and housing services.

Artificial Intelligence: Boon or Bane

AI focuses on data-based approach which uses pattern recognition, image recognition, and speech recognition. All this is possible with human Intelligence which has made the machine to think critically and assist humans in taking very important decisions. The machine is actually using algorithms to give the best matched results based on a lot of data that is entered as input to the machine.

There is no doubt that AI technology is helping a lot in human lives for making the life better. But at the same time, if something goes wrong by the machine then who is going to be held responsible? A small mistake can lead to a negative result and potentially create problems.



Figure 5.8: AI – Boon or Bane

This could further increase the wedge trust between humans and machines.

Activity 5.2: Let us collate our thoughts about how Artificial Intelligence (inclusion, bias, privacy) is affecting our daily lives in all spheres.

Pros

- AI machine doesn't get tired even after working 24x7.
- AI machine can take rational decisions irrespective of gender, religion, and so on.
- AI can be used in any of the applications like Health Care, Security, Education, Entertainment, Transport, and so on.
- AI machine gives accurate and fast results based on the input given to the machine.
- AI machine doesn't need food, water, tea break and can work tirelessly resulting in error-free tasks.
- AI machines are best suited to work repeated tasks effectively and efficiently.
- AI machines can assist in our daily routine tasks.

Cons

- AI technology is costly.
- AI can lead to increase in unemployment.
- AI machine lacks in creativity.
- AI machine lacks emotions and hence won't understand someone's problem.
- AI machine is created by a human so there is a possibility of negative impact based on gender bias and prejudice on AI machine.
- Privacy is another issue with AI machines.
- Legal malpractices.

Balloon Debate

Balloon Debate refers to a debate or sharing of ideas and facts between presenters who debate to win audience approval. The visualization is that of all speakers to be flying in a hot-air balloon which is about to sink. The decision about who should be thrown out so that everyone doesn't die has to be taken. The attempt is to encourage all participants to argue why they shouldn't be thrown out of the balloon.



Figure 5.9: Balloon Debate

Activity 5.3: This is a 2-pair activity in a group of 4. You should pen down your observations with regards to AI and its impact to your selected theme; Health Care and argue whether AI plays an important role in the said field. Support with valid arguments and examples.