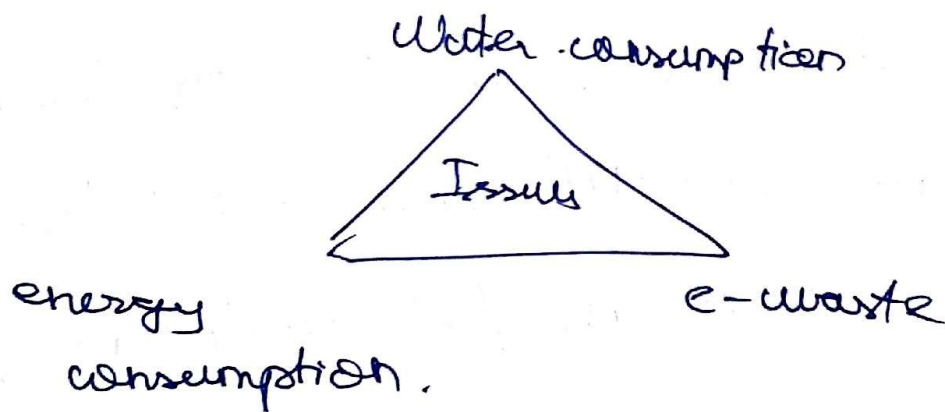


AI's env footprint is large & growing. Discuss ways to make it more sustainable.

Artificial intelligence is taking the world by storm. It is presently valued at \$182 billion and forecast to reach \$800 billion by 2030. Yet, it takes a toll on the environment.

AI and environment



Water - The computing system requires large freshwater to cool the systems. Google used 32 billion litres of water to cool the AI systems in 2022.

② Energy consumption - The systems consume quite a lot of energy. As per the International Energy Agency data centres are likely to consume 1600 Tera worth of energy by 2026.

③ e-waste - Huge quantum of e-waste generation is on the rise.

Sustainable AI

* Develop standards. The ISO can develop international and national standards to reduce environmental footprint of AI.

* Developing recycling technologies that can reduce heavy metal pollution.

* Using treated grey water as the place of freshwater.

AI is a game changer for its stakeholders. Sustainable AI can bring benefits to all stakeholders.