# Part 1 Artificial Intelligence

1.Describe what is AI – How does it work?

The creation of computer systems that are capable of carrying out activities that normally require human intelligence is known as artificial intelligence, or AI. This covers a broad variety of skills, including as problem-solving, comprehending natural language, identifying patterns, and learning from experience (machine learning). Algorithms and models are used in artificial intelligence (AI) to enable computers to interpret data, make choices, and learn from experience to become more efficient over time. Superintelligent AI, broad AI, and narrow or weak AI are the three primary categories of AI.

2.List the benefits associated with Artificial Intelligence

Automation:

AI makes it possible to automate boring and repetitive processes, which boosts productivity.

Data Analysis:

AI is capable of rapidly analysing large datasets to obtain insightful information that will help with decision-making.

Accuracy:

AI systems are capable of carrying out tasks with extreme accuracy, which lowers mistakes brought on by human error

Constant Operation:

AI systems can operate continuously and more productively since they don't need breaks.

Innovation:

By facilitating the creation of novel technologies and applications, AI promotes innovation.

3.Human Intelligence v/s Artificial Intelligence

When compared to artificial intelligence (AI), human intelligence differs from AI in a number of important ways. Initially, people have the ability to apply their knowledge from one field to another by generalizing what they have learned across domains. This versatility exemplifies the adaptability of human intellect, which is difficult for modern AI to imitate given its specialization in certain activities. Human intelligence also includes emotional intelligence, creativity, and intuition—elements that support complicated problem-solving and decision-making. AI fails to match the depth and breadth of creative thinking that is innate to human intellect, despite the fact that it can quickly do some jobs.

In addition, humans have a remarkable ability to adapt to novel and unexpected circumstances—a quality that is crucial for negotiating the complexity of the actual world. Beyond just completing predetermined duties, humans are also able to manage new problems with agility, something that AI is currently lacking in.

# Part 2 Tools supporting AI

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1.List the tools available as of today using AI technology in any domain

* Canva: AI Slide Creator
* Wordtune
* Chatsonic
* GitHub Copilot
* Google Cloud AI
* Microsoft Azzure AI
* Google Bard
* Writer.ai
* Chatbots
* AutoDraw

2.Describe in detail any one of them

ChatSonic is an innovative AI tool developed by Writesonic. It focuses on improving interactions between customers and the organization using its sophisticated skills. ChatSonic uses advanced machine learning to turn chats into interesting, tailored exchanges that are more meaningful for the users. The program creates a tone that is authentically human by fusing state-of-the-art algorithms with prewritten chats.

By enabling AI-driven chatbots, chatSonic plays a crucial part in customer support. Increased customer satisfaction results from these chatbots' quick, accurate, and personalized help. The technology also lowers support costs through automated and efficient customer assistance operations, which adds to cost-effectiveness. In short, ChatSonic is a multipurpose AI solution that transforms digital interactions and maximizes consumer engagement for companies.

3. Successful AI Tools in Education domain

* Canva Magic Write
* Magic School
* iSpring Page
* Education Copilot
* PowerPoint Speaker Coach

**References:**

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