

ChatGPT [UPSC Notes]

ChatGPT is an AI (Artificial Intelligence) chatbot that generates human-like responses to text input. OpenAI's ChatGPT has amassed over one million users since it was released to the public on November 30, 2022. OpenAI is an AI research and deployment company. This is an important development for the [IAS Exam](#) science and technology section.

What is ChatGPT?

- ChatGPT is a new AI chat tool from OpenAI that uses the latest advances in natural language processing and machine learning to generate intelligent and engaging responses to user input.
- ChatGPT is based on the powerful GPT 3.5 series of language learning models (LLM) and interacts in a conversational way. The dialogue format makes it possible for ChatGPT to answer follow-up questions, admit its mistakes, challenge incorrect premises and reject inappropriate requests.
 - GPT stands for Generative Pre-trained Transformer and this is a computer language model that relies on deep learning techniques to produce human-like text based on inputs.
- ChatGPT is a sibling model to InstructGPT which is trained to follow instructions in a prompt and provide a detailed response.
- It is trained using a machine learning technique called Reinforcement Learning from Human Feedback (RLHF).
- ChatGPT is currently available on OpenAI's website.

Key Difference between Chatbot and Search Engine

The difference between search engines and chatbots is that search engines have short-term memory when providing results, whereas chatbots can have persistent, long-term memory as well as provide task execution.

- Chatbots have an advantage in being able to provide personalised and more accurate results based on persistent, historical interactions. In contrast, search engines can provide a minimal level of personalised results based on previous searches.

ChatGPT Limitations

Some of the limitations of ChatGPT are as follows:

- May occasionally generate incorrect information.

- May occasionally produce harmful instructions or biased content.
- Limited knowledge of the world and events after 2021.

FAQ related to ChatGPT

Q. What is the main difference between Google and ChatGPT?

Ans: Google is a search engine while ChatGPT is a chatbot.

Q. What are ChatGPT's features?

Ans: This chatbot provides descriptions, answers and solutions to complex questions including ways to write code and solve complex layout problems and optimisation queries. It can help write website content, answer customer inquiries and solve maths equations.

