

# ChatGPT-A Generative Pre-Trained Transformer

**Manisha Rajesh Gupta**

Institute of Distance and Open Learning, Mumbai, Maharashtra, India

**Abstract:** *ChatGPT is an advanced conversational AI model developed by OpenAI. It is designed to engage in natural and coherent conversations with users, providing human-like responses to a wide range of topics and questions. It leverages deep learning technique. ChatGPT uses a combination of machine learning techniques, including deep learning and natural language processing, to understand and generate human-like text. The model has been trained on a vast amount of internet text data to ensure its ability to generate relevant and contextually accurate responses. ChatGPT has applications in customer service, virtual assistants, and other conversational interfaces, offering a powerful tool for natural language understanding and generation. It is most likely used to generate human like responses and makes the communication interactive.*

**Keywords:** OpenAI, Conversational AI, Natural language processing, Deep learning, Machine learning, Text generation, Human-like conversation, ChatGPT, Chatbot, Virtual assistant

## REFERENCES

- [1]. Marcus, G., Davis, E., & Aaronson, S. (2022). A very preliminary analysis of DALL-E 2. ArXiv pre-print. Retrieved from <https://doi.org/10.48550/arXiv.2204.13807>
- [2]. OpenAI. (2022). OpenAI about page. Retrieved from <https://openai.com/about/>
- [3]. Timothy, M. (2023, January 6). The 3 Best Alternatives to ChatGPT. MUO. <https://www.makeuseof.com/best-alternatives-chatgpt/>
- [4]. Seghier, Mohamed L. ChatGPT: not all languages are equal. Nature 615, no. 7951 (2023): 216-216.
- [5]. Saravanan, Shruti, and K. Sudha. GPT-3 Powered System for Content Generation and Transformation. In 2022 Fifth International Conference on Computational Intelligence and Communication Technologies (CCICT), pp. 514-519, 2022.
- [6]. Yue, Thomas, David Au et al. Democratizing financial knowledge with ChatGPT by OpenAI: Unleashing the Power of Technology. Available at SSRN 4346152 (2023)
- [7]. Beerbaum, D. O. (2023). Generative Artificial Intelligence (GAI) with Chat GPT for Accounting—a business case. Available at SSRN 4385651