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# **Use of ChatGPT System in Education**

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# ABSTRACT

The paper focus on the application of ChatGPT technology in academic and education sector. ChatGPT is a public tool developed by OpenAI in November, 2022. It has gain popularity in technological world in very little spam of time. It is an AI technology which can answer any questions asked to it. The papers also highlight on the advantages and disadvantages of ChatGPT technology. ChatGPT can be very useful in teaching, learning, research activities of any institution. ChatGPT can be a valuable tool for libraries to enhance their services and provide assistance to library users in innovative ways.

Keyword: ChatGPT, AI, Artificial Inelegance,

# I. INTRODUCTION

There is a movie Robot & Robot 2.0. In these films, a robot called Chitti is created by Rajinikanth. He gives all the tasks and information he is told. Chitti has all kinds of programming. He works on artificial intelligence. Also somewhat realistically, Microsoft has launched a ChatGPT (AI) powered language model on artificial intelligence called "Microsoft OpenAI GPT-3" in collaboration with the company OpenAI.

The use of new tools and technologies in education is rapidly expanding. Now a days academicians are using Artificial Intelligence system in the field of education. One of the most popular and newly invented AI technologies used to support teaching, learning and other activities of the education is the ChatGPT system. ChatGPT can be considered as very helpful discovery to facilitate learning within the educational context. In the post Covid era, educator can perform teaching either through the physical classroom platform or through an online platform using various technological tools such as AI or newly invented ChatGPT system. This research papers highlighted on an online educational platform where students can learn using ChatGPT technology. The use of ChatGPT technology in academic intuition is one of the most important approaches to enhancing and promoting a more personalised learning and teaching experience for the student, faculty and researcher.

# What is ChatGPT

ChatGPT is success to gain attention of whole world with its unique features to answer every public question. ChatGPT is Chat Generative Pre-Trained Transformer. OpenAI has developed a chatboat called ChatGPT a public tool which is based on the GPT language model technology. ChatGPT is an artificial intelligence system

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that listens, learns, and challenges. GPT is an AI language-processing model which gain a huge the popularity in internet in very short time period. This new system can generate written text and that too is highly consistent. Reading the text, one wonders whether any human wrote it, so precise and accurate. ChatGPT is basically a virtual robot (chatbot), which answers various questions, performs typing tasks, communicates fluently and also advises on personal problems. This new system still has errors and shortcomings. However, the system has generated a mixture of curiosity and fear around the world. According to a New York Times article, this new system is expected to create major problems in areas such as creativity, education, work, digital security and democracy. Despite being some lacunas, which can be overcome. ChatGPT can be gamechanger for the student, academician and researcher. According to SEO.ai's tests, ChatGPT is available in almost 100 languages. However, the performance of this model varies by language. So far it has been seen that it works best in English.

## History

The football final in Qatar on November 30, 2022 was in full swing, while the technology world was taking a revolutionary step in the field of artificial intelligence. That step is ChatGPT. ChatGPT was developed by OpenAI, a company founded in 2015 by Sam Altman and Elon Musk. ChatGPT reached millions of users within five days of its launch. According to the OpenAI company, Usage during the testing and research phase will be free and open to all.

## How does ChatGPT work

The best text-based AI programs store massive amounts of data, then use algorithms to predict the best phrasing of a sentence. These are called Large Language Models (LLMs). Alvaro Machado Díaz, a neuroscientist and professor at UNIFESP, says that during software training, the chatbot is asked questions and gives detailed answers. If the chatbot's response is wrong, the correct answer is fed into the system and it gives the correct answer next time." ChatGPT has learned to speak almost human-like. Machado Dias says that what makes this system unique is that it works by understanding the technical side of how language works. The system learns through human response (RLHF). Engineers use 'feedback' and 'learning' methods to teach the system. This shows the interaction very well. This is a great 'tuning' process. "In reality, engineers prioritize the responses given by the algorithm according to their relevance and encourage the program to learn the priorities set to increase the relevance of the text output," says the UNIFESP professor. ChatGPT is trained to admit mistakes, challenge false assumptions, and reject inappropriate requests.

ChatGPT is a computer program. Knowledge cut off for CHAT GPT is September 2021. This means that by September 2021, training has been provided to process and provide the world's big data. He is not aware of any information or events that occurred after September 2021. If it is updated then the information after September 2021 may be available in the future.

## II. HOW TO USE CHATGPT

## A platform has to be selected

ChatGPT is available on multiple platforms, including web-based chatbots and messaging apps. such as chatbots on websites, virtual assistants on your phone or messaging applications like Facebook Messenger or WhatsApp.



Others include GPT-3 Playground, Hugging Face and DialogGPT. You need to open an account on a platform. Sign up for an account: Once you identify the platform, you need to sign up for an account. Some platforms may require payment or have usage limits, so be sure to check the details. Use the free version web site-based platform. https://chat.openai.com/ Sign up first. verify. Login. And start using.

## Ask follow-up questions during the conversation

Continue the conversation by responding to ChatGPT's messages and asking follow-up questions (one question, another related question, etc.) (Sequentially asking a question, followed by another related question) ChatGPT will continue to generate responses based on the context of the conversation.

## Give feedback on the information received

If you find that ChatGPT's responses are not helpful or accurate, you can provide feedback to help improve its responses in the future. This feedback can be used to train ChatGPT to provide more accurate and relevant responses.

# Information received through ChatGPT should be verified.

It is important to remember that ChatGPT is an AI language model. It can be a useful tool, but it is not perfect and can sometimes give incorrect or irrelevant responses. It is important to use your own judgment and verify information where possible.

## Ask question in simple language

If you don't get the response, you expect or need more information, you can rephrase or simplify your question and try again.

# Benefit of Chat GPT | Power of Chat GPT

- 1. Chat GPT is available 24/7. Just get an internet connection and it's done. Can be used from anywhere in the world. Which makes it convenient for users to get information or have a conversation.
- 2. ChatGPT can act as a conversational assistant, answering questions, giving advice, making recommendations and engaging in small talk.
- 3. Can help people find answers to their questions or help with tasks.
- 4. ChatGPT can learn from past interactions and provide more personalized responses over time, which can improve the overall user experience. He will be available to you as a friend. He responds to you in the future by understanding you from the conversations you have had.
- 5. It will be available to you as a friend at any time. it responds to you in the future by understanding you from the conversations you have had.
- 6. ChatGPT can quickly answer simple questions or basic inquiries, saving time for both users and customer service representatives.
- 7. ChatGPT can accept and handle a large number of requests or commands simultaneously, making it a scalable solution for businesses that receive large volumes of inquiries.
- 8. ChatGPT can be trained to understand and respond to specific topics, enabling personalized responses to users.



- 9. ChatGPT provides consistent response to users, which can help maintain high levels of customer or individual satisfaction and trust.
- 10. Chat GPT can reduce the cost of customer support and other services by automating repetitive and routine tasks, allowing human operators to focus on more complex issues.
- 11. ChatGPT can be integrated into customer service systems, providing fast and efficient responses to customer inquiries and reducing the need for human agents to handle routine inquiries.

## Limitation of using ChatGPT

- 1. This change is like a hanging sword on employment. Information-dependent fields such as journalism can undergo major changes. Jobs in this sector can be affected directly.
- 2. Students can use this system to prepare assignments. So, within a month of ChatGPT's launch, some US cities banned the system.
- 3. This system is feared to have a structural impact on human learning. For example, writing an essay is done using creativity. However, this system can have consequences.
- 4. Currently the answer provided by this tool is not 100 percent accurate.
- 5. Currently, we can only ask questions in English language, as this tool does not understand some other languages properly.
- 6. Currently this tool is free for all but in coming time it may launch paid version of this tool
- 7. There are many questions that cannot be answered.
- 8. You cannot rely on their answer, it is better to take their answers as suggestions only.
- 9. This tool only has data up to 2021. So, the latest information is not stored in the database of this tool.

## Use of ChatGPT in education

ChatGPT is an artificial Intelligence that does have the power to change education. The industry has yet to find out whether it is for better or worse. While it can be valuable tool for teachers and students, it can also be an easy way to plagiarise and cause an over-reliance on technology. As teacher and students learn more about ChatGPT, hopefully the good outweighs the bad, and AI will help improve education day by day

## Use in Learning

ChatGPT can be a game changer for the student. Student can get all the information they want. It can help them to complete many tasks in their school life. Many academicians think that This system is feared to have a structural impact on human learning. Despite being some concerned this technology can be widely use for the classroom leaning. ChatGPT can help students to access information faster, to improve writing skills personalise leaning experience and 24/7 availability of education resources for them.

# Use in Teaching

Teaching can be more effective using AI like ChatGPT. ChatGPT can create assessments. Teachers can input information into the AI program and provide context, and ChatGPT will output a result. While it might take some tweaking, it can be a great starting point for teachers to use when creating assessments from scratch. Teachers can get new information from it. Teacher can use it to teach vocabulary, to provide example, to create



math problem, to generate basic lesion plan, to find basic way to help slow learner, generate question for discussion. ChatGPT can also be helpful for teacher to detect plagiarism form the student assignment.

#### Use in Research

ChatGPT can improve research quality. Following is some key factor where it cab be use in research.

- 1) To generate research Problem- ChatGPT can help beginners to formulate research problem.
- Literature review- ChatGPT can help researchers to search relevant information on any topic by generating providing a list of relevant papers or generating summarise research articles on given keyword.
- 3) Text Generation/ Drafting- ChatGPT can generate text or help researcher to draft in any tone for the research article or research proposals.
- 4) Data analysis- ChatGPT can help researcher to get data and it will also assist to analysis that data.
- 5) Language Translation- ChatGPT used machine translation to access all the research information in multiple language.
- 6) State of the art- ChatGPT can automatically summarize scientific papers, reports, or other documents and make it available for researcher to get him updated on the latest information of his field.
- 7) Answering any question- ChatGPT can be fine-tuned to provide answer to domain specific questions, making it a powerful tool for scholars to find answers quickly and efficiently.

#### Use in Library

AI technology and ChatGPT can be a gamechanger for the libraries. Libraries and information centre are facing the problem of information explosion and fund. ChatGPT can be used in libraries to provide assistance to library users in various ways.

- Chatbot for Reference Services: ChatGPT can be used to create a chatbot that can assist library users with reference questions. The chatbot can be programmed to answer common questions related to library resources, services, policies, and procedures. This can help reduce the workload of reference librarians and provide quick assistance to library users.
- 2) Personalized Recommendations: ChatGPT can be used to create a recommendation engine that can suggest books, articles, and other library resources based on users' interests, reading history, and search queries. This can help library users discover new resources that they may not have found otherwise.
- 3) Virtual Book Clubs: ChatGPT can be used to facilitate virtual book clubs and reading groups. Library users can interact with ChatGPT to discuss books, share their thoughts, and ask questions. This can help foster a sense of community among library users and promote reading.
- 4) Language Learning: ChatGPT can be used to create language learning programs that can help library users learn new languages. ChatGPT can be programmed to provide language lessons, quizzes, and practice exercises. This can be a valuable resource for language learners who may not have access to traditional language learning resources.

Overall, ChatGPT can be a valuable tool for libraries to enhance their services and provide assistance to library users in innovative ways.



## **III. CONCLUSION**

In conclusion, this paper provides all the information about the ChatGPT technology. There are many AI technology available in the but it can be a real gamechanger for the educational sector. ChatGPT can change the whole teaching learning experience. But there are some limitations for it. This technology must be used in wright manner. Chat GPT original will not harm anyone because it is a quantum computer program which cannot give correct answers to current questions.

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