

ChatGPT in Engineering Study?

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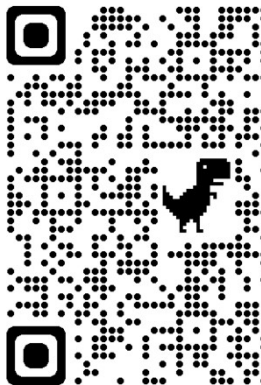
What is
ChatGPT
and how does it work?

What is ChatGPT

- Created by Open AI in November, 2022. It is still unstill under research project. However, it is open for public to use ChatGPT.
 - <https://chat.openai.com/chatgpt> is its main web-address to start your journey.
- ChatGPT is a natural language processing tool driven by AI technology that allows you to have human-like conversations and much more with the chatbot.
 - The language model can answer questions and assist you with tasks, such as composing emails, essays, and code.

Nature of ChatGPT in Development (Conceptual Only)

Simplified Stages for Easier Understanding		
1	Data Collection and Storage	Developmental Stage
2	Logic Construction	Developmental Stage
3	Conversational Style and Practice	Developmental Stage
4	Lab Training	Developmental Stage
5	Meeting with People: ChatGPT Research Period	Released Stage
6	ChatGPT Commercial Period	Fully Operational On Business Stage
https://help.openai.com/en/articles/7842364-how-chatgpt-and-our-language-models-are-developed		



How long did it take to train ChatGPT?

- Some ChatGPT commentators have estimated that if ChatGPT was to be trained on a single NVIDIA Tesla V100 'Graphics Processing Unit' (GPU) that it would take around 355 years to complete ChatGPT's training on its training dataset. However, OpenAI reportedly used 1,023 A100 GPUs to train ChatGPT, so **it is possible that the training process was completed in as little as 34 days.** (Source: [Lambda Labs](#).)
- The costs of training ChatGPT is estimated to be just under \$5 million dollars. (Source: [Lambda Labs](#).)

<https://www.stylefactoryproductions.com/blog/chatgpt-statistics>



How Popular ChatGPT is?

- According to analysis by Swiss bank UBS, ChatGPT is the fastest-growing app of all time. The analysis estimates that ChatGPT had 100 million active users in January, only two months after its launch.
- For comparison, it took nine months for TikTok to reach 100 million users.

Online Service	Launch Year	Time Taken to Reach 1 Million Users
ChatGPT	2022	5 days
Instagram***	2010	2.5 months
Spotify	2008	5 months
Dropbox	2008	7 months
Facebook	2004	10 months
Foursquare***	2009	13 months
Twitter	2006	2 years
Airbnb**	2008	2.5 years
Kickstarter*	2009	2.5 years
Netflix	1999	3.5 years

ChatGPT user statistics



**1 Million users
within 5 days**



**100 Million users
within 2 months**

ChatGPT for VUFL?

is a very useful Tool. It is helping us
lot. We work faster and better!





Are you thinking about using
ChatGPT? Why?

Your life will be AI assisted!!!

ChatGPT for improving our ordinary daily life

1. Information and Knowledge
2. Problem-solving
3. Language Assistance
4. Learning and Education
5. Creative Writing and Content Generation
6. Planning and Organization
7. Entertainment and Leisure
8. Personal Development
9. Health and Well-being
10. Social Interaction



(1) Information and Knowledge

- ChatGPT can provide instant access to a vast amount of information, helping answer questions, explain concepts, and provide explanations on a wide range of topics.
- However, experience of using ChatGPT is very different from using Google online.
- How different?

My Question is???

Why waterfalls <gather so much water>?

(2) Problem-solving

- Whether it's a technical issue, a personal dilemma, or a decision-making problem, ChatGPT can offer suggestions, advice, and alternative perspectives to help you find solutions.

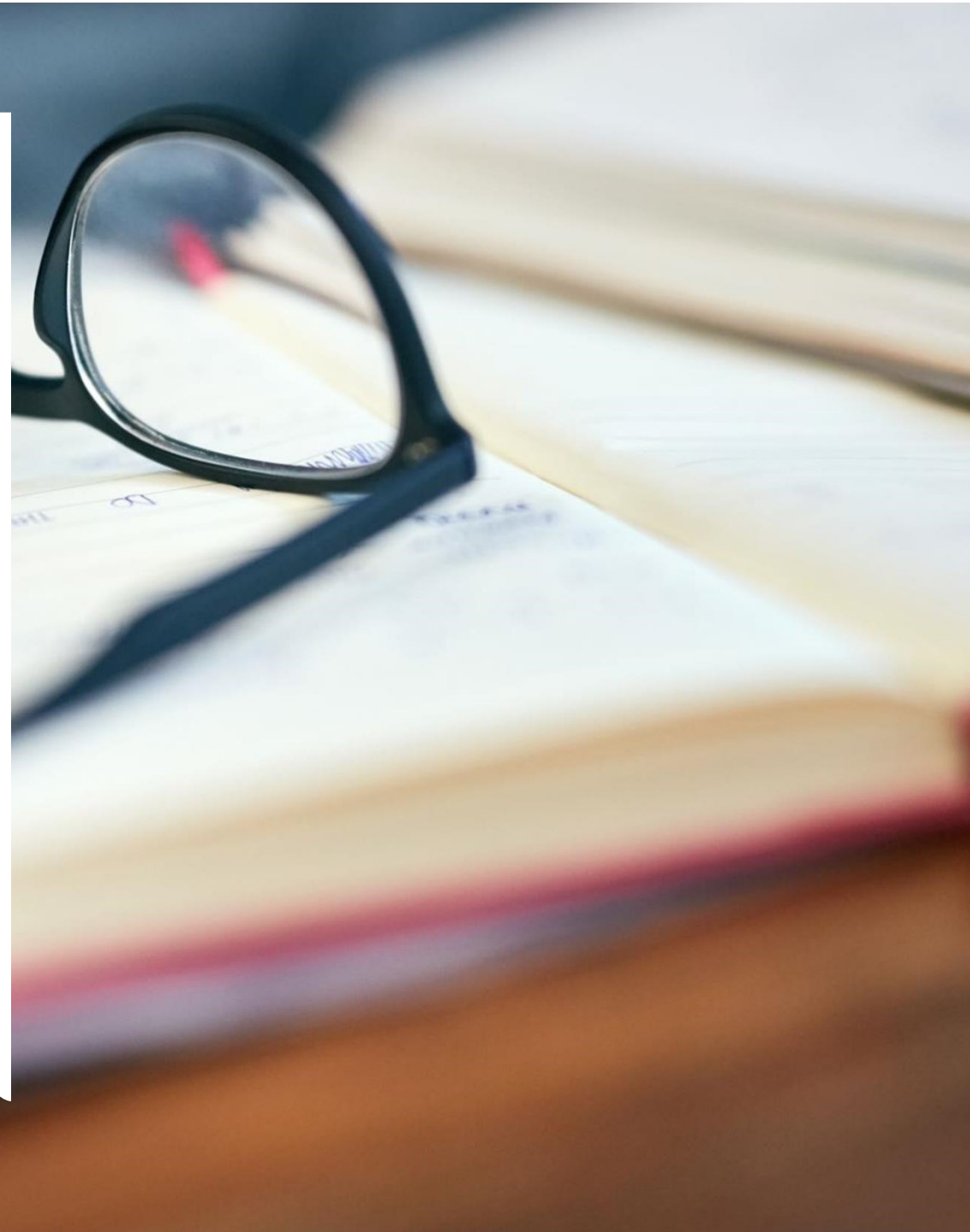


My Question is?

I felt I didn't sleep enough these days though I spent longer hours on bed. Can you explain me why?

(3) Language Assistance

- ChatGPT can assist with language-related tasks, such as proofreading and editing documents, improving writing skills, or even offering language translations.





(4) Learning and Education

- ChatGPT can act as a virtual tutor, providing explanations and guidance on academic subjects, helping with homework, or offering additional learning resources.




My Question is?

I am planning to learn x x x x x. What can be an effective plan of



(5) Creative Writing and Content Generation

- 
- If you need help with creative writing, brainstorming ideas, or generating content for various purposes, ChatGPT can provide suggestions and assist in the creative process.

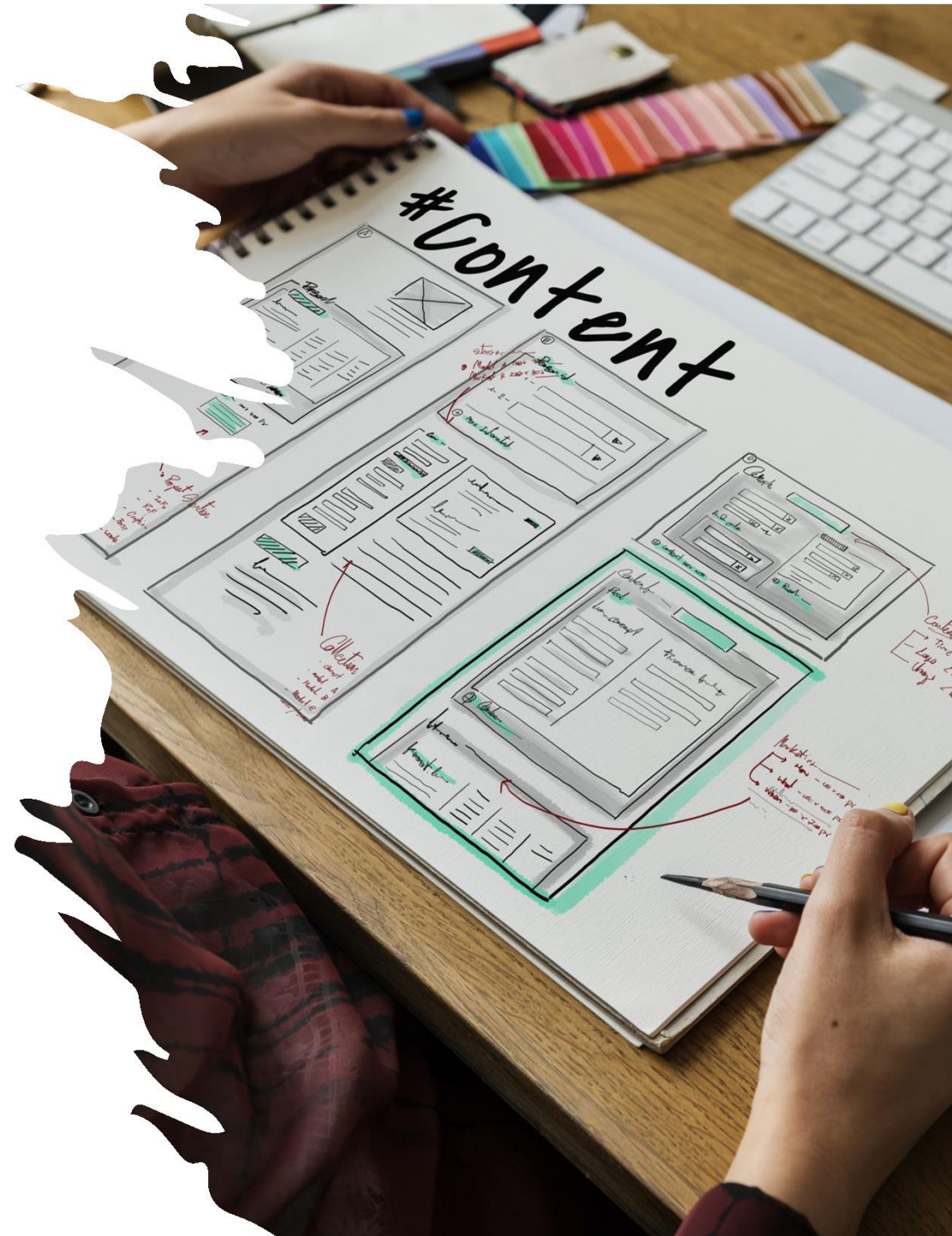
My Question is?

I borrowed a lot of money from my close friend a year ago. What can happen to our relationship if I told her I will not be giving back but I will be buying some luxury item for myself?



(6) Planning and Organization

- ChatGPT can help with planning daily schedules, organizing tasks, setting reminders, and providing productivity tips to enhance your time management skills.





My Question is?

I have applied for a very competitive job position.

Before sitting for the interview

(7) Entertainment and Leisure

- ChatGPT can engage in casual conversations, tell jokes, share interesting facts, and even play text-based games, providing entertainment and a break from routine.



My Question is?

About a book I am reading?





(8) Personal Development

- ChatGPT can offer motivation, inspiration, and self-improvement tips, helping you set goals, develop new habits, and overcome challenges.

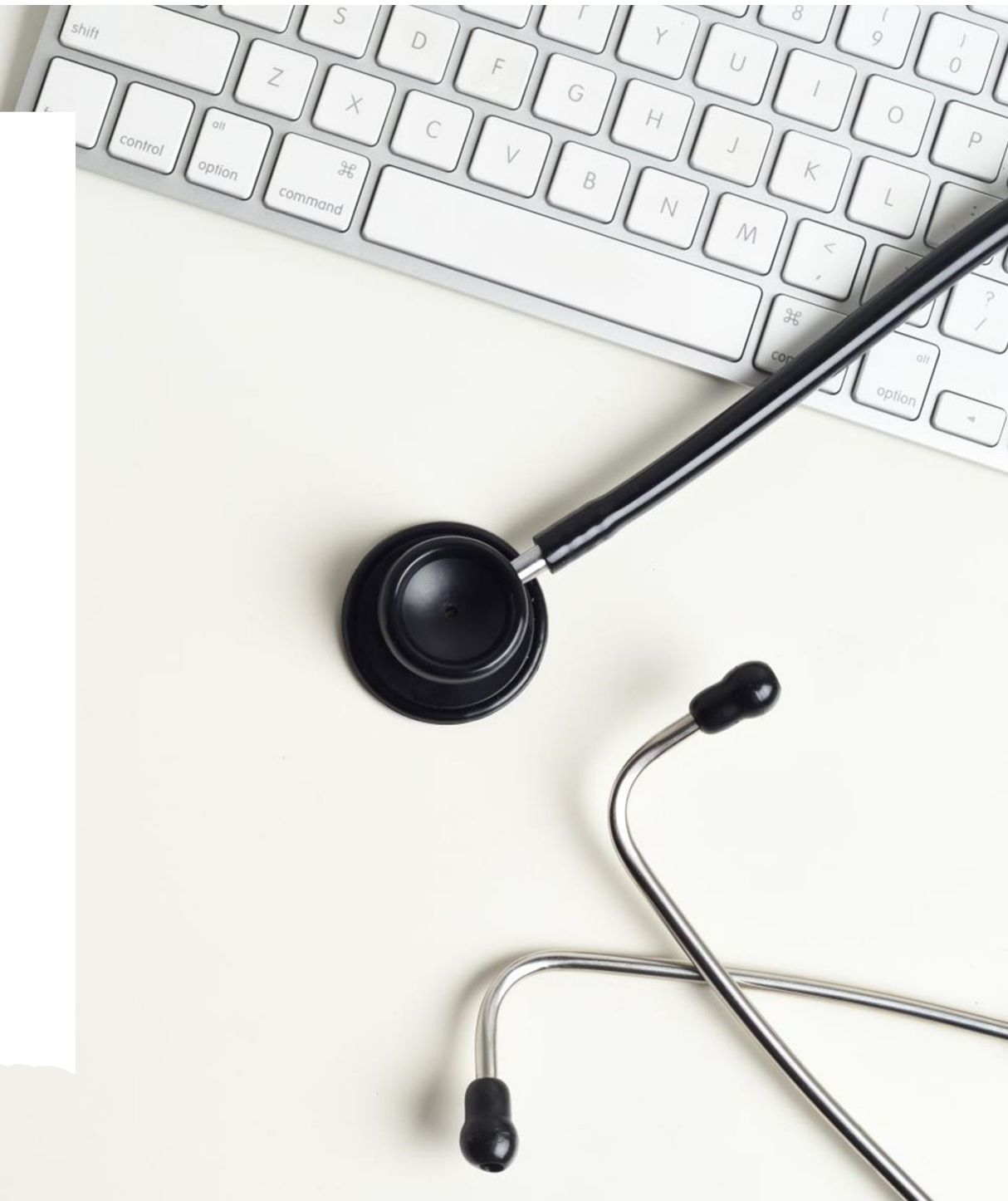
My Question is?


Goal setting



(9) Health and Well-being

- While ChatGPT cannot provide medical advice, it can offer general health tips, suggestions for healthy lifestyle choices, and information on various wellness topics.

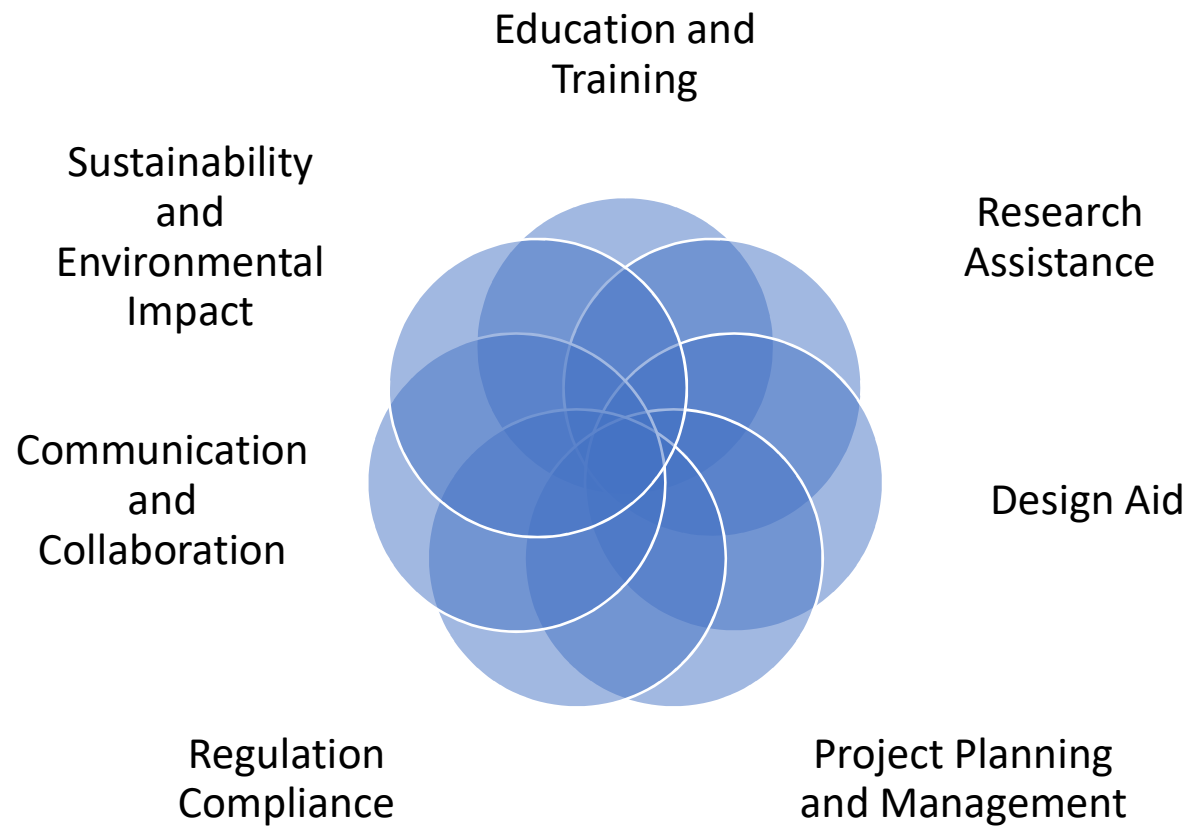




(10) Social Interaction

- ChatGPT can engage in conversation, providing companionship and a listening ear when you need someone to talk to.

ChatGPT for Civil Engineering



Education and Training

- ChatGPT can serve as a tool for educating both students and professionals in the field. It can provide clear and concise explanations of complex engineering concepts, help with homework or coursework, and provide resources for further study.

Research Assistance

- The model can provide summaries of research papers, propose areas for further study, and aid in the literature review process by providing information on a wide range of topics related to civil engineering.

Design Aid

- While ChatGPT doesn't replace design software, it can provide explanations of design principles, help troubleshoot problems, or suggest different approaches to a design problem based on established engineering principles.

Project Planning and Management

- It can provide insights on project planning and management strategies, outline risks and risk management approaches, and even provide explanations on how to use various project management tools.

Regulation Compliance

- Laws and regulations pertaining to civil engineering are complex and can vary greatly by location. ChatGPT can help to navigate this complexity by providing information about relevant rules and standards, though it should be noted that ChatGPT's understanding is based on its training data and might not reflect the most current regulations.

Communication and Collaboration

- Engineers often need to communicate complex ideas to non-experts. ChatGPT could help to translate these ideas into simpler language, making it easier for all stakeholders to understand. Similarly, it could help facilitate collaboration between teams or individuals from different disciplines.

Sustainability and Environmental Impact

- ChatGPT can provide information and suggestions on sustainable engineering practices, helping professionals to consider the environmental impacts of their designs and choose more sustainable options.

Using ChatGPT in other languages including Myanmar

English

Spanish

French

Italian

German

Dutch

Russian

Thai

Japanese

Korean

Chinese