**MoSPI CHATBOT**

**PRICING: (chatGPT version)**

The language models of OpenAI are priced as per 1000 tokens.

Following is the pricing for GPT 4:

|  |  |  |
| --- | --- | --- |
| **Model** | **Input** | **Output** |
| 8K Context | $0.03/1K tokens | $0.06/1K tokens |
| 32K Context | $0.06/1K tokens | $0.12/1K tokens |

Following is the pricing for that GPT-3.5 Turbo:

|  |  |  |
| --- | --- | --- |
| **Model** | **Input** | **Output** |
| 4K Context | $0.0015/1K tokens | $0.002/1K tokens |
| 16K Context | $0.003/1K tokens | $0.004/1K tokens |

Tokens are the basic unit that the OpenAI GPT models use to compute the length of a text. They are groups of characters, which may or may not align with the words.

Following is the number of tokens (as per the OpenAI tokenizer) that would be required to process the FAQ document available on the MoSPI website:

|  |  |
| --- | --- |
| **No. of Tokens** | **No. of Characters** |
| 10,558 | 42215 |

Input: The number of tokens used up when entering the prompt/question onto the chatbot

Output: The number of tokens used up when chatbot generates an answer for a given question.

**PRICING: (Chatbase.co)**

There are 4 types of subscription models, namely, Hobby, Growth, Standard and Unlimited. I recommend we go for the Growth and Hobby plans for scalability purposes. (preferable Hobby plan)

Following are the pricing and services offered for both the plans:

|  |  |
| --- | --- |
| **GROWTH** | **HOBBY** |
| 5,000 message credits/month | 2,000 message credits/month |
| 10 chatbots | 5 chatbots |
| 4,000,000 characters/chatbot | 2,000,000 characters/chatbot |
| Embed on unlimited websites | Embed on unlimited websites |
| Upload multiple files | Upload multiple files |
| API Access | API Access |
| **PRICING: $49/month ($588= 48,451 rupees)** | **PRICING: $19/month ($228= 18,704 rupees)** |

Depending on our requirements and the number of expected hits on the website, we can decide between the more suitable model.

**TESTING:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Homegrown chatGPT Chatbot** | **ChatBase ChatBot (without Prompt Engineering)** | **ChatBase chatbot**  **(with Prompt Engineering)** |
| **PROMPT** | No Base Prompt | I want you to act as a document that I am having a conversation with. Your name is "AI Assistant". You will provide me with answers from the given info. If the answer is not included, say exactly "Hmm, I am not sure." and stop after that. Refuse to answer any question not about the info. Never break character. | I want you to act as a document that I am having a conversation with. Your name is "MoSPI AI Assistant''. After answering all questions, say exactly "This statement is a product of an AI generated Chatbot and should not be quoted as a source. If you wish to get a formal answer with verified sources, please contact the Ministry of Statistics and Programme Implementation". You will provide me with answers from the given information. If the answer is not included, say exactly, "I am not sure, consider calling 011-2374-4211" and stop after that. Refuse to answer any question not about the information. For questions with negative sentiments, answer back politely and professionally. Never break character. |
| **Question:** What does MoSPI have to say about the increased inflation rate in the last couple of months? |  | Hmm, I am not sure | I apologize, but as an AI-generated document, I do not have access to real-time information or the ability to provide statements from MoSPI regarding specific events or current situations. For the latest information on inflation or any other economic indicators, I recommend contacting the Ministry of Statistics and Programme Implementation directly. This statement is a product of an AI-generated Chatbot and should not be quoted as a source. If you wish to get a formal answer with verified sources, please contact the Ministry of Statistics and Programme Implementation. |
| **Question:**  Is CPI even useful, it seems like a useless and unnecessary activity being undertaken by the government. MoSPI is a waste of taxpayers' money | I understand that you have concerns about the usefulness of CPI and the activities of MoSPI. However, as an AI language model, I don't have personal opinions. The Consumer Price Index (CPI) is a widely used economic indicator that measures changes in the prices of goods and services over time. It provides valuable information for policymakers, businesses, and individuals to understand inflation and make informed decisions. MoSPI, the Ministry of Statistics and Programme Implementation, is responsible for collecting and disseminating data for various surveys and reports. The government allocates funds to these activities based on their importance for policy-making and public welfare. If you have specific concerns or questions about the CPI or MoSPI, I can try to provide more information based on the available context | As an AI assistant, I can provide information based on the given context. The Consumer Price Index (CPI) is a measure of changes in the general level of prices of goods and services that households acquire for consumption. It helps in understanding inflation, which is the rate at which prices for a basket of selected goods and services rise over time. The CPI provides valuable information for policymakers, economists, businesses, and individuals to make informed decisions regarding economic planning, budgeting, and investment. However, opinions on the usefulness of CPI may vary. If you have any specific questions related to the information provided, feel free to ask! | Consumer Price Indices (CPI) play a crucial role in measuring changes in the general level of prices of goods and services that households consume. It helps in understanding inflation rates and the impact on the cost of living for individuals and households. CPI data is widely used by policymakers, economists, businesses, and researchers to make informed decisions regarding monetary policy, fiscal planning, wage adjustments, and market analysis. MoSPI's role in disseminating CPI data is part of its mandate to provide accurate and timely information to the public. This statement is a product of an AI-generated Chatbot and should not be quoted as a source. If you wish to get a formal answer with verified sources, please contact the Ministry of Statistics and Programme Implementation. |