

AAKHOR CONNECT: EMPOWERING ASSAMESE LANGUAGE AND DIGITAL LITERACY

Launched in January 2025, Aakhor Connect is an innovative AI-powered application designed to enhance the writing experience in Assamese. Developed by Indranil and Kabyanil Talukdar from Guwahati, this groundbreaking tool aims to bridge the gap between technology and regional languages, making Assamese more accessible and user-friendly in the digital era.

Bridging Language Barriers:

Aakhor Connect stands out by addressing the challenges faced by speakers of regional languages. As Kabyanil Talukdar noted during the launch, "Most existing AI tools are focused on English, leaving a significant gap for Indic languages." This motivated the Talukdar brothers to create a solution that not only promotes but also preserves Assamese and other ethnic languages of Assam, such as Bodo and Karbi.

Key Features of Aakhor Connect

Intelligent Typing Assistance: Users can type in English, which is automatically converted into Assamese. This feature eliminates the need for users to be experts in Assamese typing, making it accessible to everyone.

Error-Free Writing: Aakhor Connect includes built-in spellchecking and grammar correction tools that ensure high-quality written content. This functionality is crucial for students and professionals who need to produce polished documents.

Seamless Translation: The app facilitates effortless translation of English text into Assamese, enabling effective communication across language barriers. Whether for personal or professional use, this feature fosters cross-cultural understanding.



Optical Character Recognition (OCR): Aakhor Connect's OCR functionality allows users to convert printed Assamese text from images into editable digital formats with high accuracy. This is particularly useful for students digitizing notes or reference materials.

Educational Benefits:

Aakhor Connect serves as a vital resource for students, educators, and language enthusiasts alike. By simplifying the writing process, it enables students to focus on their ideas rather than technical challenges. Teachers can create instructional materials more efficiently, while language learners can practice their skills in an engaging environment.

Conclusion:

Aakhor Connect is more than just a typing tool; it represents a significant advancement in making Assamese accessible in the digital realm. By empowering users to communicate effectively while promoting cultural preservation, Aakhor Connect is set to redefine how Assamese is written and shared.

To experience the transformative capabilities of Aakhor Connect firsthand, visit Aakhor.in today and join the growing community of users embracing this innovative approach to language technology!

The ABC of Attitude: Understanding Our Perspectives

ABC MODEL OF ATTITUDES



The ABC Model of Attitude is a framework that outlines the three essential components shaping our attitudes: Affective, Behavioral, and Cognitive. Each component plays a crucial role in how we perceive and interact with the world.

A: Affective Component

The affective component refers to our feelings and emotions toward an attitude object. For example, saying "I love ice cream" expresses a positive emotional response, while "I am afraid of spiders" indicates a negative reaction. This emotional aspect often drives our motivations and influences our behavior.

B: Behavioral Component

The behavioral component reflects how our attitudes influence our actions. For instance, someone with a positive attitude toward exercise is likely to engage in physical activity, whereas someone who dislikes a particular food may avoid it. This component highlights the connection between our attitudes and actions.

C: Cognitive Component

The cognitive component involves our beliefs and thoughts about an attitude object. It includes the information we have learned and the conclusions we draw. For example, believing that recycling benefits the environment shapes our attitude toward recycling behaviors.

Paraavartya Yojayet (Transpose and Apply):
Division

Concept: Transpose and adjust the digits to simplify division.

Example: Divide 43564356 by 1212

Adjust divisor to a simpler form.

By trial or estimation:

First estimate how many times 1212 fits into 4343 (3 times).

Subtract to find remainder and continue until complete.

Final result gives quotient.

Interconnectedness of Components:

These components are interconnected; for instance, feeling excited about attending a concert (affect) can lead to buying tickets (behavior) based on the belief that live music enhances mood (cognition).

Understanding this interplay can help us reflect on our attitudes and their influence on our decisions.

Conclusion

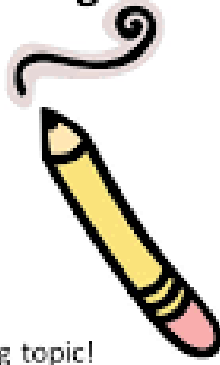
The ABC Model of Attitude provides valuable insights into human behavior. By recognizing how emotions, behaviors, and beliefs interact, we can cultivate healthier attitudes toward ourselves and others. This understanding promotes better communication, empathy, and positive behavioral changes in various aspects of life.

A positive attitude is a potent soft skill that significantly impacts various aspects of professional and personal life. By recognizing its importance and actively cultivating it, individuals can unlock their full potential, enhance relationships, and achieve greater success. As students and professionals, embracing the ABC Model of Attitude empowers us to build healthier attitudes and create positive changes in our lives and workplaces.

What is prompt writing?

- Prompt writing is....
 - Brainstorming
 - Thinking
 - Organizing and
 - Responding to

a given prompt or writing topic!



Prompt Engineering Techniques

- **Chain-of-Thought (CoT) Prompting:** Breaking down complex problems into smaller, logical steps within a single prompt.
- **Zero-Shot Prompting:** Giving an LLM a task without specific examples, relying on its pre-existing training data.
- **Few-Shot Prompting:** Providing a few examples to the model before asking it to perform a similar task.
- **Prompt Chaining:** Using multiple contextually related prompts to solve complex problems.

Prompt Engineering: Guiding AI to Generate the Right Results

Prompt engineering is an AI engineering technique focused on refining large language models (LLMs) by crafting precise prompts to generate specific and high-quality outputs. It's the art and science of designing effective inputs to guide generative AI models like ChatGPT, DALL-E, and others to produce the desired results. Think of it as the interface between human intent and machine output

Why is Prompt Engineering Important?

Control and Intent: It helps AI understand the desired intent behind the input, allowing for better control over the response.

Targeted Responses: Prompt engineering helps AI refine its output to be concise and in the correct format.

Mitigating Bias: It assists in avoiding biases that AI may learn from human bias present in training data.

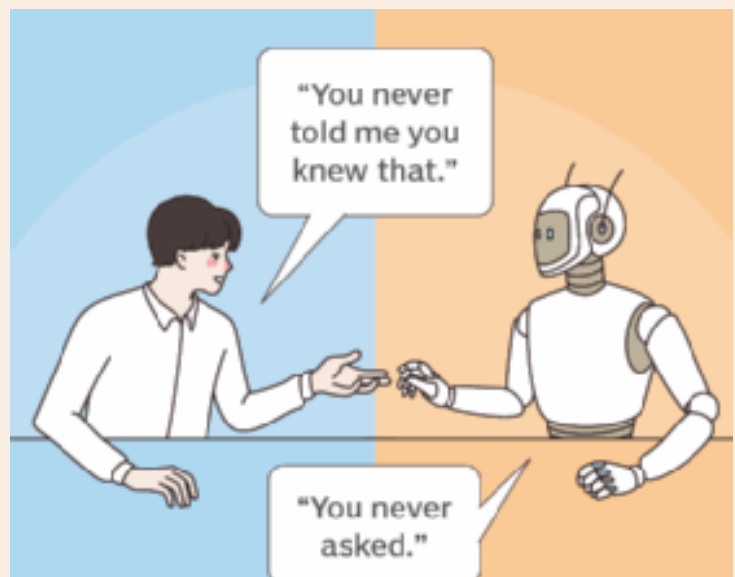
Coherence and Relevance: It ensures the AI generates coherent results that are accurate and relevant to the user's request.

Optimized User Experience: Well-crafted prompts, working behind the scenes, help users get the desired output without needing to test AI prompts themselves

- **Self-Consistency Prompting:** Breaking down complex problems in different ways to get multiple outputs and selecting the best one.
- **Meta Prompting:** Formatting prompts clearly with the structure and syntax needed to get specific answers from the LLM.
- **Generated Knowledge Prompting:** Instructing an LLM to provide general knowledge related to an answer before answering the prompt.

Conclusion:

- Effective prompt engineering combines technical knowledge with an understanding of natural language, vocabulary, and context to produce optimized outputs with minimal revisions. As AI systems evolve, well-engineered prompts make long-term interactions more efficient and satisfying, enhancing adaptability and usefulness across different applications



THE ART OF LIPOGRAMS: EXPLORING CONSTRAINTS IN WRITING

What is a Lipogram?

A lipogram is a type of constrained writing in which the author deliberately avoids using one or more letters of the alphabet. The term comes from the Ancient Greek word *leipográmματος*, meaning "leaving out a letter." This literary technique challenges writers to create coherent and meaningful texts while adhering to specific constraints, often leading to creative and innovative expressions.

When Did Lipograms Emerge?

The practice of writing lipograms dates back to ancient times, with some of the earliest examples found in Greek literature. Notably, works that avoided the letter sigma showcase this unique form of writing. However, it gained more recognition in modern literature, particularly with the publication of Ernest Vincent Wright's novel *Gadsby* in 1939, which consists of over 50,000 words without using the letter "E," the most common letter in the English language. Other notable examples include Georges Perec's novel *A Void*, which also omits "E" entirely.

Why Use Lipograms?

Lipograms serve multiple purposes:

- **Creative Challenge:** They push writers to think outside the box and explore language in new ways, fostering creativity and innovation.
- **Literary Experimentation:** Lipograms are often used as a form of literary play, allowing authors to experiment with style and structure while adhering to specific constraints.
- **Engagement and Interest:** The uniqueness of lipograms can capture readers' attention, making them curious about how the text is constructed without certain letters.
- **Skill Development:** Writing lipograms can improve a writer's vocabulary and understanding of language mechanics by forcing them to find alternative words and phrases.

In summary, lipograms are a fascinating aspect of constrained writing that showcases the creativity and versatility of language while providing both challenges and opportunities for writers.

