



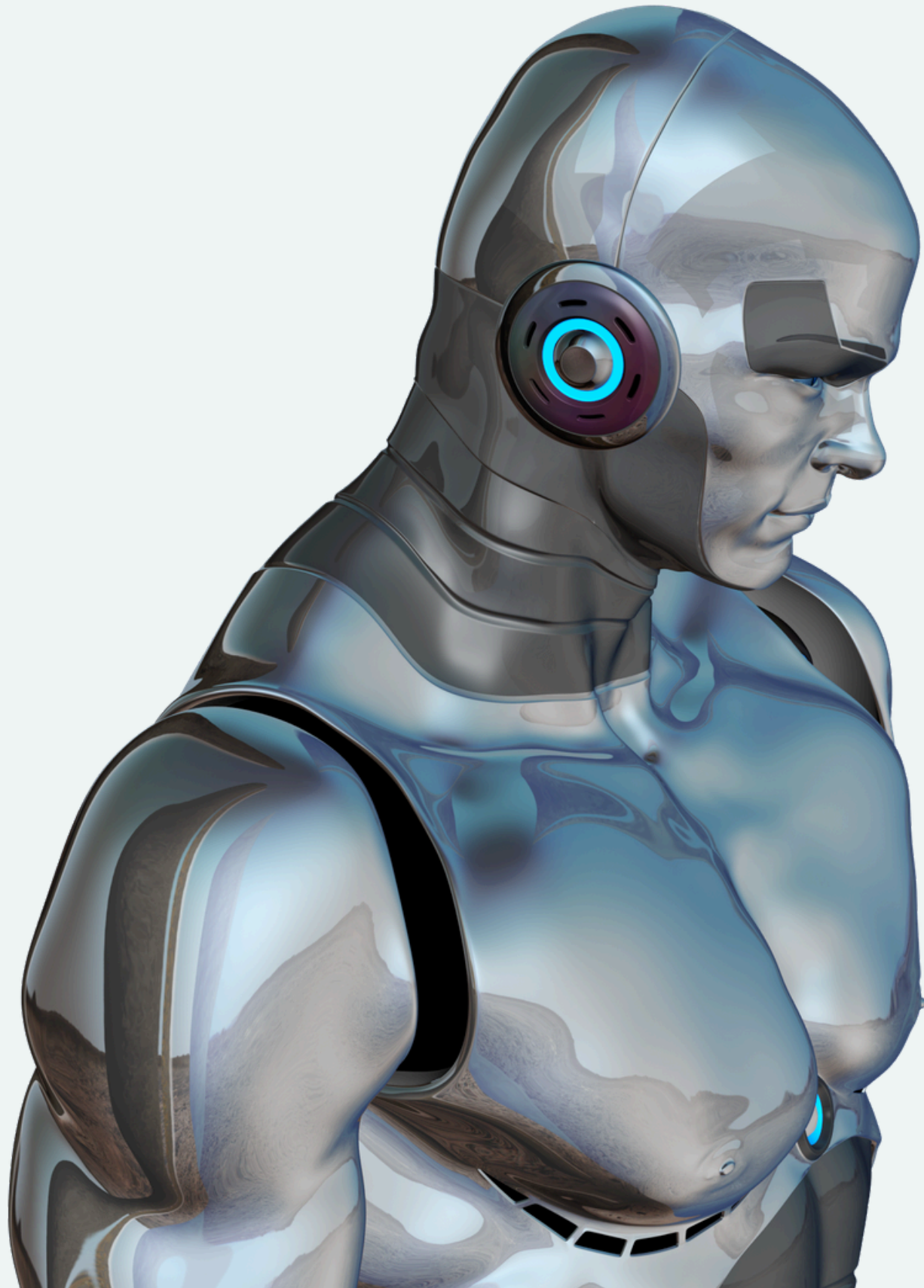
WEBNEP PRESENTS **AI IN** Nutshell

by Gaurav Rizal &
Dipesh Bhandari



Day 03: Prompt Engineering

WHAT IS PROMPT?

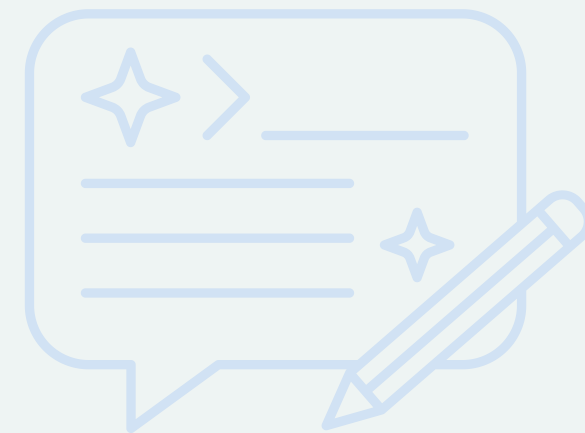


A prompt is simply the instruction or question that you give to an AI system. It can be a short sentence, a detailed request, or even a set of step-by-step directions.

- Input to an AI model in natural language
- Via text interface, API, ...or microphone
- AI model understands query semantically
- Then performs desired task

Examples:

- Explain Prompt Engineering

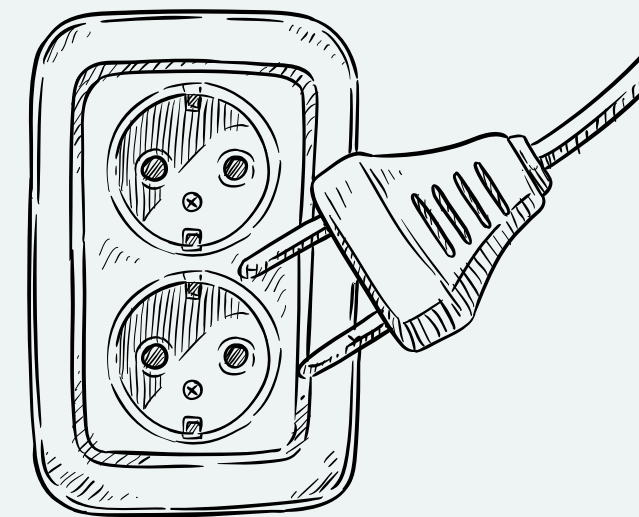
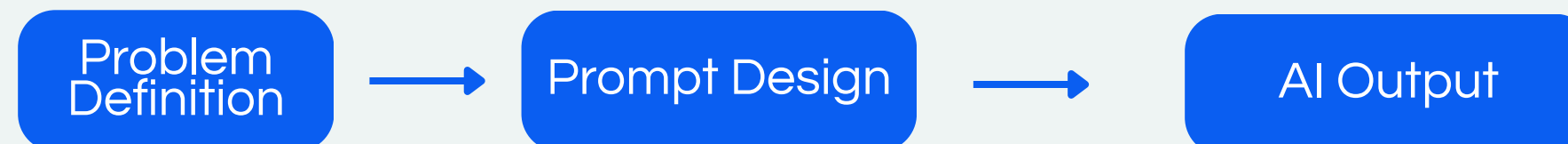


WHAT IS PROMPT ENGINEERING?



The process of designing and improving prompts used in natural language processing (NLP) models such as ChatGPT, chatbots, or virtual assistants is known as prompt engineering

- Creating prompts that are clear and simple
- just as a well-designed hook is more likely to capture its target fish, a well-crafted prompt is more likely to get desired response



Try
yourself

BAD

GOOD



PROMPT

1. Write about AI

2. Make a poster

3. Give ideas

It could
be better

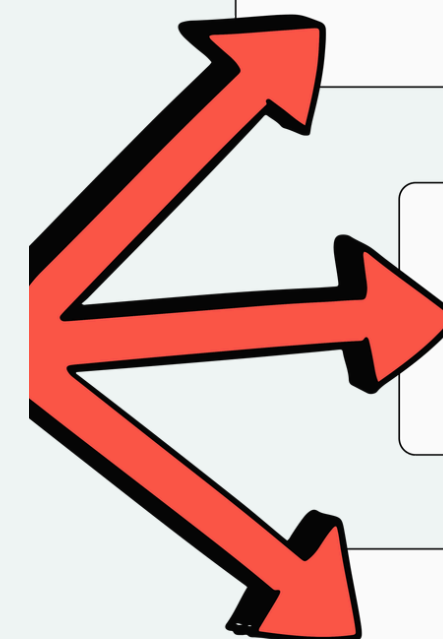
Same AI, Different Results

PROMPT

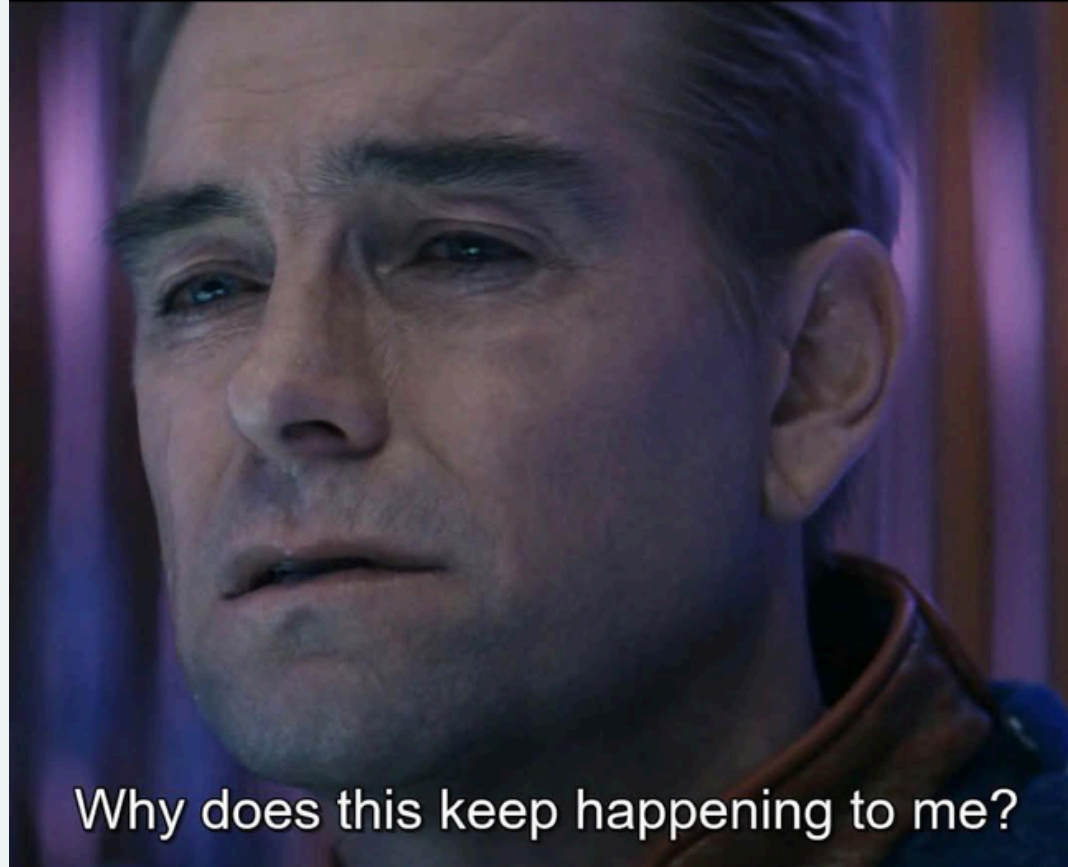
1. Explain AI in 5 simple
points

2. Create a clean poster about AI for
school students

3. Give 5 business ideas for
students in Nepal



Me when I keep getting bugs
even though I updated the
prompt with "Make no mistakes":

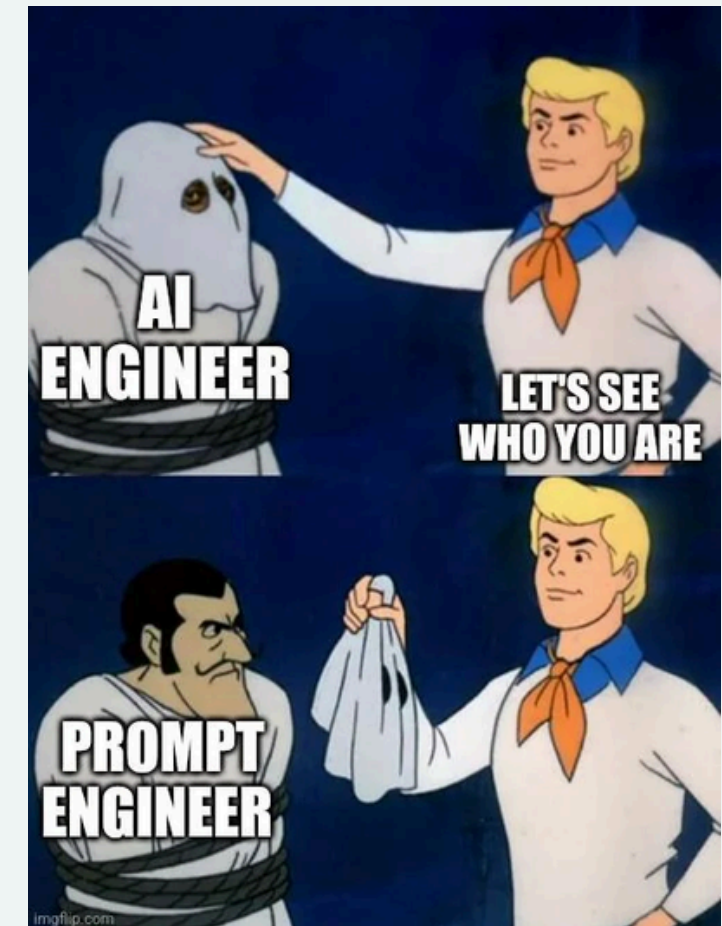


Why does this keep happening to me?



When you try to find the
correct prompt

Bro, please respond
in valid JSON format
without any errors
and make sure the
syntax is 100%
correct,
I'm begging you... and
please, beg you nicely,
don't make up
responses, my career
depends on this, bro.



AI
ENGINEER

LET'S SEE
WHO YOU ARE

PROMPT
ENGINEER

PROMPT
ENGINEER

CRISPE Framework

A simple way to write powerful prompts

01

Context

Give background information
Example: "I am a grade 10 student studying science"

02

Role

Tell ChatGPT who to act as
Example: "Act as a science teacher"

03

Instructions

Clearly say what you want
Example: "Explain photosynthesis"

04

Style

Decide how the answer should sound
Example: "Use simple language"

05

Parameters

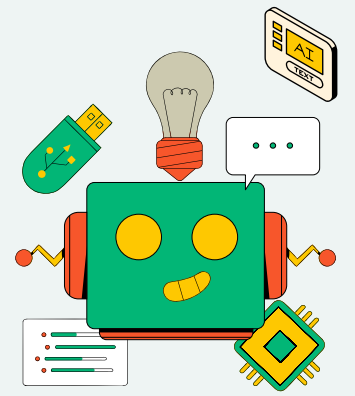
Add limits or conditions
Example: "In 5 bullet points"

06

Example

Ask for examples to understand better
Example: "Include real-life examples"

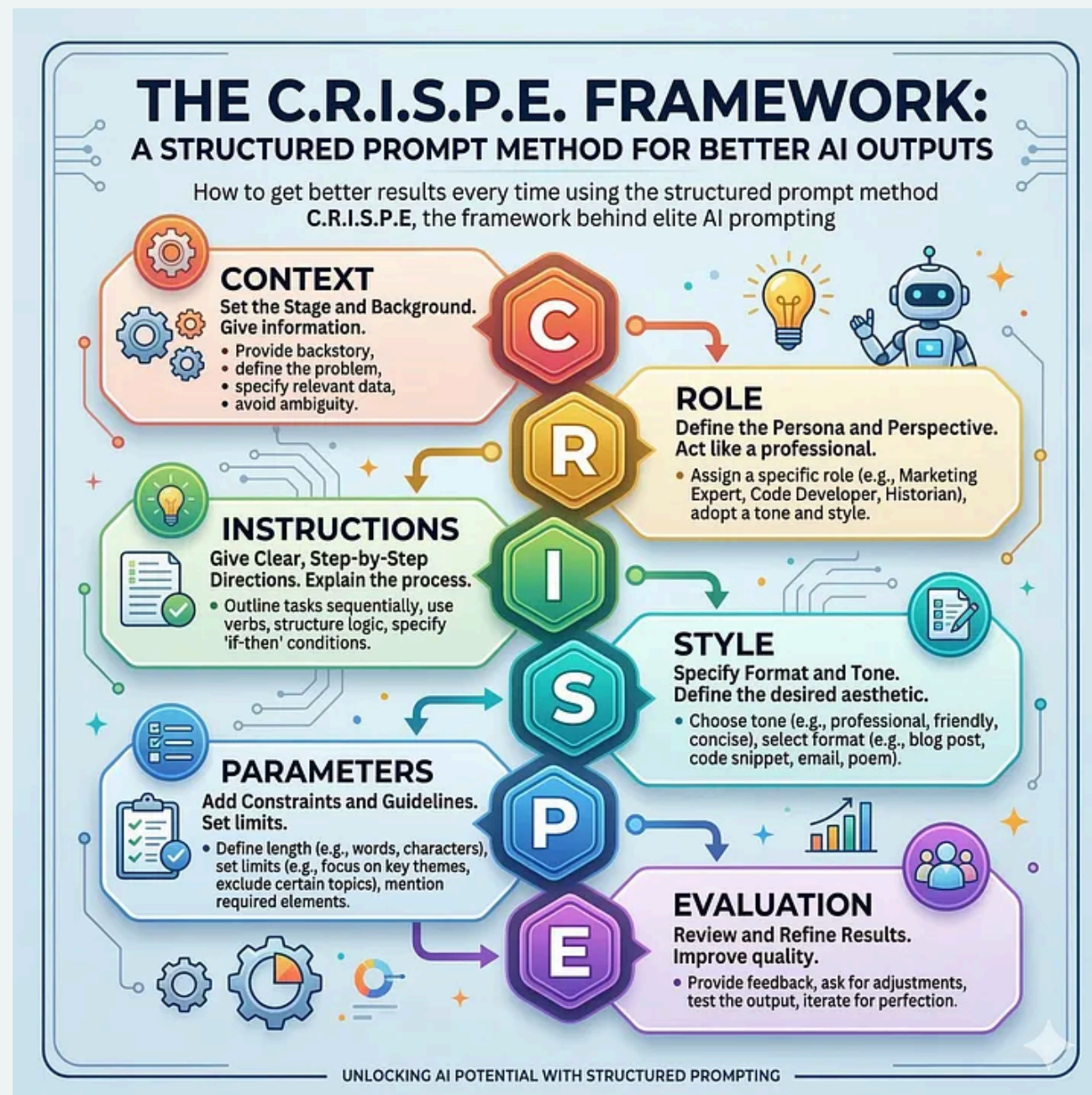
CRISPE PROMPT EXAMPLES



Act as a [abc] teacher. I am a grade 10 student preparing for [pqr]. Explain [xyz] in simple language in 5 bullet points with real-life examples.

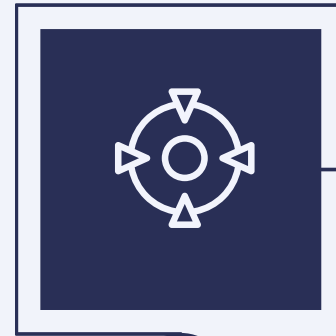
Act as a storyteller. I am a grade 10 student studying for exams. Explain a historical event as a short, interesting story in simple language.

Act as a study coach. I have exams coming soon. Create a simple and motivating 3-day study plan in a timetable format.



Prompting Tips for Better AI Results

Simple strategies to get clearer,
more accurate, and useful
responses from AI



01

Be Specific

Clear prompts lead to
precise results.



02

Be Clear

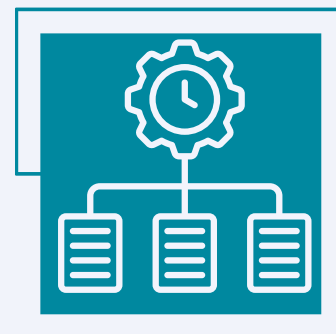
Simplicity improves
understanding.



03

Provide Context

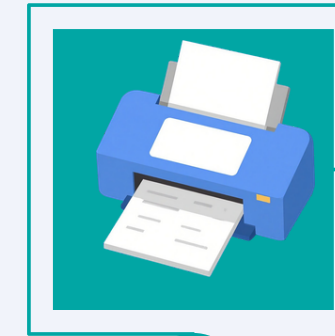
Background helps generate
relevant answers.



04

Break Down Complex tasks

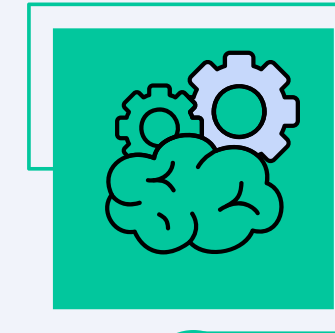
Smaller steps make big tasks
manageable.



05

Specify Desired Outputs

Define the format you need.



06

Reflect and Adapt

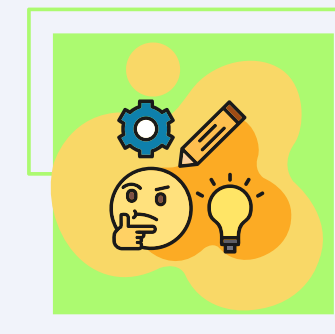
Improve prompts through
iteration.



07

Provide Examples if needed

Examples clarify expectations.



08

Be Creative and have fun

Creativity unlocks engaging
outputs.

Fix the Prompt- (Core Interactive Game)

START

- 1-Write a story**
- 2-Explain AI**
- 3-Give business ideas**
- 4-Help me study**

PLAY



Fix the Prompt” (Core Interactive Game)



1-Write a short motivational story about a Nepali student using AI to succeed, in simple language.

2-Explain AI in 5 simple bullet points for SEE students using easy Nepali-English mix.

3-Give 5 low-budget AI-based business ideas for students in Nepal with simple explanation.

4- Explain this topic step-by-step like I’m 10 years old and give a simple memory trick.



R-T-F

Role Task Format

Act as a (ROLE)



Create a (TASK)



Show as (FORMAT)



01

Defines who the AI should behave as (e.g., teacher, developer, writer).
Helps set tone, expertise, and style of response.

02

Specifies what the AI needs to do.
Clearly describes the required action or output.

03

Defines how the response should be presented.
Examples include bullet points, paragraphs, tables, or code.

Role: Act as a teacher
TASK: EXPLAIN PHOTOSYNTHESIS
Format: Bullet points

T-A-G

Task Action Goal

Define a (TASK)



State the
(ACTION)



Clarify the (goal)



01

The main job or requirement to be completed. Clearly states the main job or requirement that the AI must complete.

02

The method or steps used to complete the task. Describes the method, approach, or steps the AI should follow to complete the task.

03

The final outcome or purpose of the task. Describes the method, approach, or steps the AI should follow to complete the task.

The task is to evaluate the performance of students. Act as a teacher, and assess the strengths and weaknesses of students. The goal is to improve student performance so that they understand well.

B-A-B

**Before
After
Bridge**

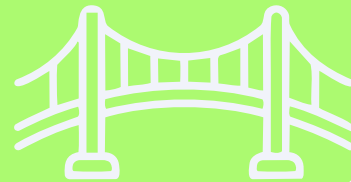
**Explain problem
(BEFORE)**



**State Outcome
(AFTER)**



**Ask to the
(BRIDGE)**



01

Describes the current situation, issue, or challenge that exists.

02

Describes the improved or ideal result. Shows the improved or ideal situation after solving the problem.

03

Explains the steps, solution, or process that connects the "Before" state to the "After" state.

**We're nowhere to be seen in Google Rankins; We want to be in the top 10
Google rankings in our area in 30 days; develop a detailed plan with the top
20 keywords**

C-A-R-E

01

Context

Give the Context

We are launching a new line of sustainable clothing

02

Action

Describe the Action

Can you assist us in creating a targeted ad campaign that emphasize env. commitment

03

Result

Clarify the Result

Our desired outcome is to drive a product awareness and sales

04

Example

Give the Example

'Don't Buy this Jacket' campaign which highlighted their commitment



R-I-S-E

A student chose a number,
multiplied it by 2, then
subtracted 138 from the
result and got 102. What
was the number he chose?

01

Role

Specify the Role
Act as a teacher

02

Input

Describe the Action
You are given a math problem.

03

Steps

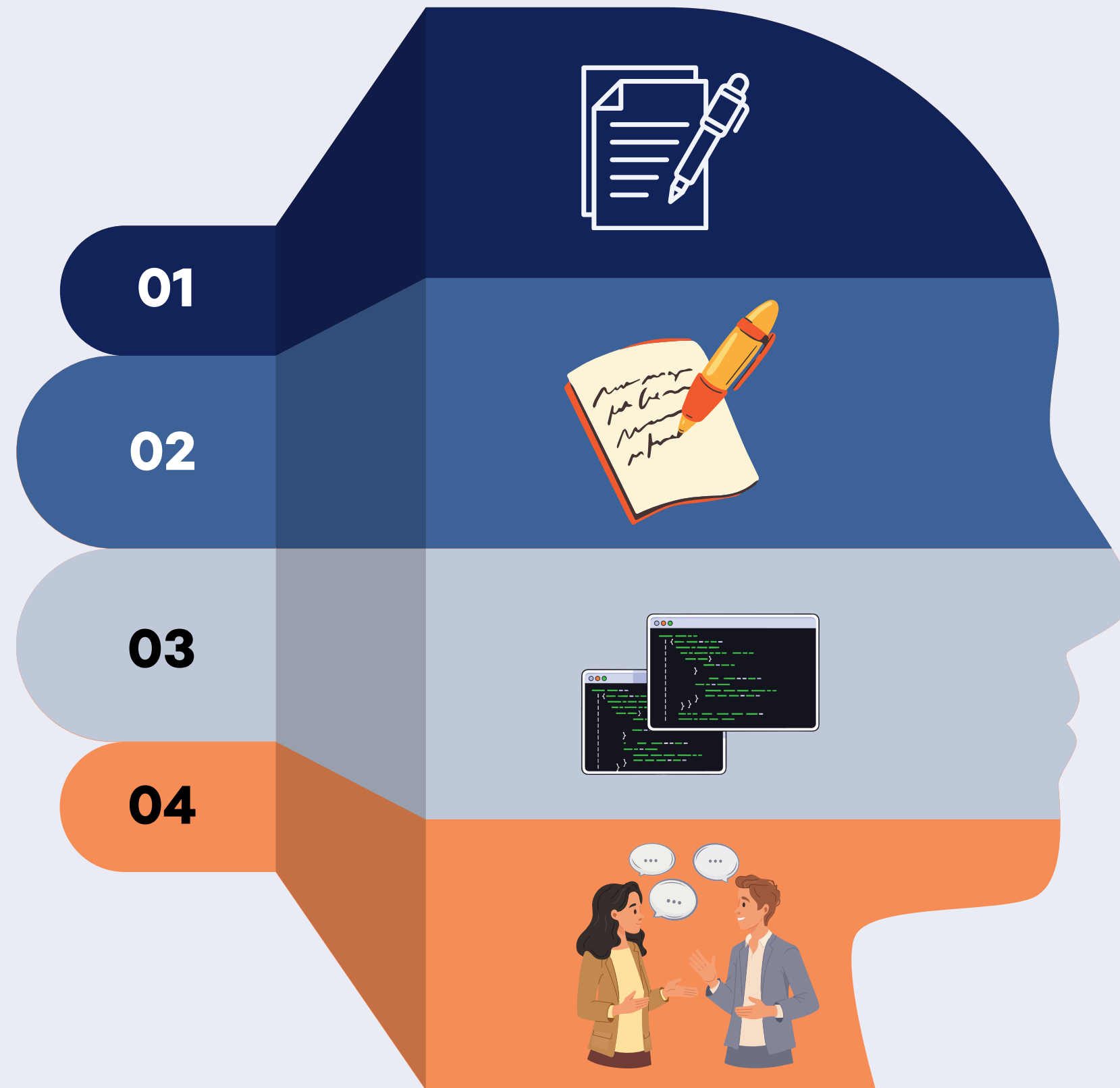
Ask for Steps
Solve it step-by-step

04

Expectations

Describe the expectations
Show all working clearly and
provide the final answer at
the end in a neat format.





Using Good Prompts for:

Apply what you learn to achieve your desired outcome.

Text Summarization

Condenses long content into shorter meaningful and easy-to-read summaries quickly information

Essay Writing

Helps structure and write essays with clarity coherence and argumentation effectively

Code Generation

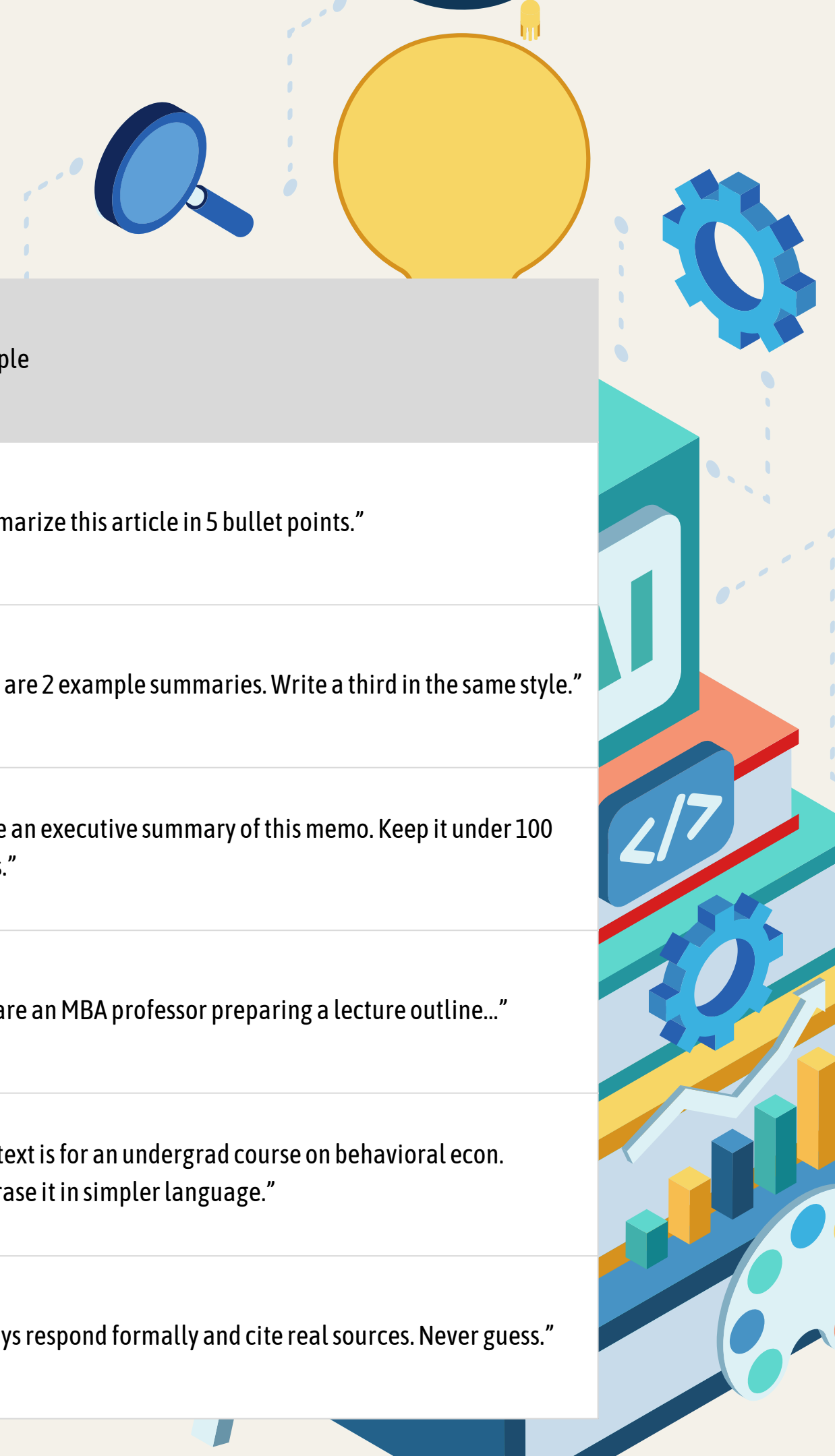
Creates functional code from natural language instructions or problem descriptions prompt

Conversation

Enables natural dialogue between users and AI across varied topics smoothly



SELF LEARN

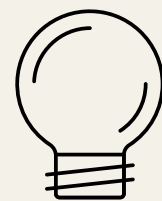


Prompt Type	Description	Example
Zero-Shot Prompt	Give simple and clear instructions without examples. Useful for a quick, general response.	“Summarize this article in 5 bullet points.”
Few-Shot Prompt	Provide a few examples of what you want the AI to mimic. Helps the model learn your desired structure or tone.	“Here are 2 example summaries. Write a third in the same style.”
Instructional Prompt	Include direct commands using verbs like "write", "explain", or "compare."	“Write an executive summary of this memo. Keep it under 100 words.”
Role-Based Prompt	Ask the AI to assume a particular persona or viewpoint. Useful for creativity and domain-specific responses.	“You are an MBA professor preparing a lecture outline...”
Contextual Prompt	Include relevant background or framing before asking a question. Helps the AI tailor responses to a specific audience or setting.	“This text is for an undergrad course on behavioral econ. Rephrase it in simpler language.”
Meta Prompt / System Prompt	Behind-the-scenes, system-level instructions that set the AI’s behavior, tone, or scope before any user input. Typically written by the platform.	“Always respond formally and cite real sources. Never guess.”





SUMMARY



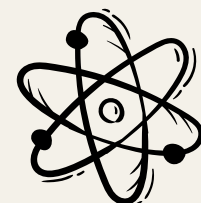
Summary: Bad vs Good Prompts

- Bad Prompt: Vague, unclear, no direction
- Good Prompt: Clear, specific, structured



Golden Rule

Better prompt = Better result



Simple Formula (CRISPE)

Context + Role + Instructions + Style +
Parameters + Example.

You don't get better answers from AI

you ask better questions.

