Practical-6

Assignment 06: Assignment and practice of Prompt Engineering to craft effective prompts.

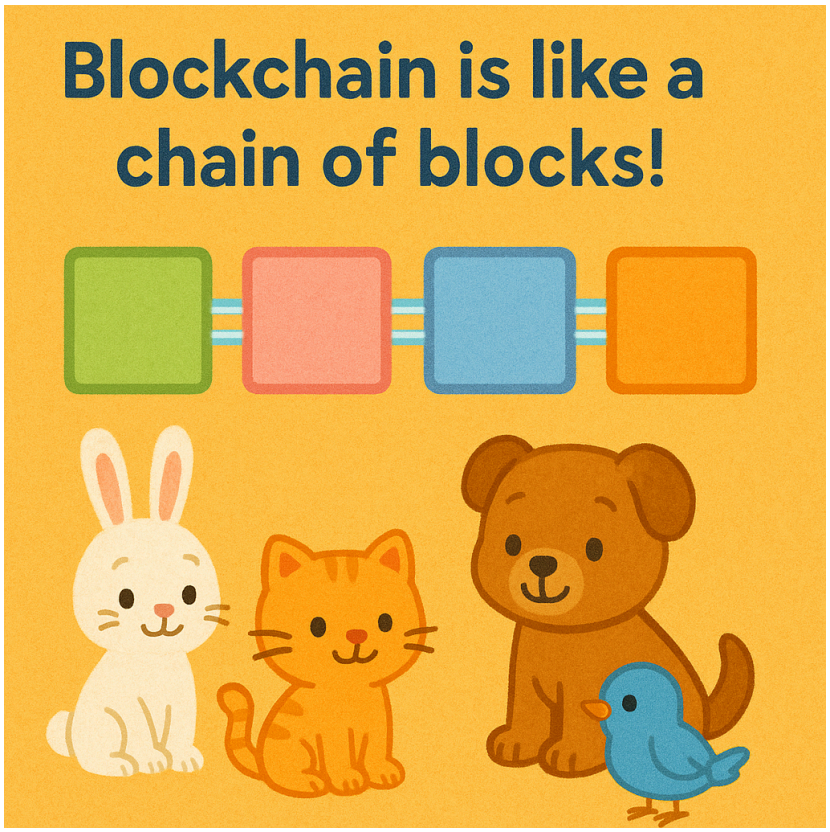
Assignment Tasks:-

Task 1: Prompt Categorization

Categorize the following prompts into types (Instructional, Conversational, Visual, etc.) and explain your reasoning:

Prompt	Category	Reasoning
Generate a logo for a tech startup using neon colors.	Creative / Visual (AI art prompt)	Requests image generation with stylistic detail.
Explain blockchain to a 5-year-old.	Instructional / Explanatory (Simplified)	Seeks a simplified explanation.
You are a UX designer. Suggest improvements to this app layout.	Role-playing / Contextual + Instructional	Assigns expert role and asks for structured feedback.

TECH
STARTUP



Task 2: Refinement Practice

Given vague prompts, refine them to be more effective.

Original: 'Make a poster.' → Refined: 'Create a poster for a school science fair with a blue
background, cartoon robots, and bold text saying SCIENCE EXPO 2025.'

Task 3: Prompt Design Exercise

Design 5 original prompts for different domains:

1) One for ChatGPT (text-based):-

“Pretend you are a wise time-traveling librarian who has visited every library in history and the future. A curious student asks you: ‘What are the three most important lessons books have taught humanity?’ Write your answer as a warm, story-like explanation, weaving in examples from ancient scrolls, modern novels, and futuristic digital books."

2) One for DALL·E (image-based):-

"Create a vibrant illustration of a futuristic playground on Mars, where children in colorful space suits are sliding down glowing crystal slides and bouncing on low-gravity trampolines, in a cheerful cartoon style."

3) One for SORA (video-based):-

"Generate a 10-second video of a peaceful Japanese garden during springtime. Cherry blossoms gently fall into a koi pond, a red bridge arches over the water, and soft lanterns glow as the sun sets."

4) One for coding or logic:-

"Write a Python program that simulates a simple ATM machine. It should allow the user to check balance, deposit money, withdraw money (with balance validation), and exit the program with a goodbye message."

5) One for education or training:-

"Explain photosynthesis to a 10-year-old using a comic-book style story where the Sun, Water, and Carbon Dioxide are superheroes teaming up to help a Tree make its own food. Include a step-by-step breakdown at the end."