

# Applying BRAD Framework in Generative AI

## Question 1: Educational Content Generation

### Scenario:

You are a teacher creating study material on *Machine Learning* for first-year engineering students.

Use the **BRAD framework** to design an effective prompt for a Generative AI tool (like ChatGPT) to generate a short explanation.

### Solution (Using BRAD):

- **B (Background):** You are preparing study notes for first-year students on AI basics.
- **R (Role):** Act as a computer science professor.
- **A (Action):** Explain the concept of Machine Learning in simple terms.
- **D (Details):** Use less than 100 words and give one real-life example.

### Final Prompt:

- You are preparing study notes for first-year students on AI basics.  
Act as a computer science professor.  
Explain the concept of Machine Learning in simple terms.  
Use less than 100 words and give one real-life example.

### Expected Output:

- Machine Learning is a field of AI that enables computers to learn from data without being explicitly programmed. For example, spam filters learn to identify unwanted emails based on patterns in previous messages.

## Question 2: Creative Writing Using BRAD

### Scenario:

A student wants to generate a short story using a text generation model.

Apply the BRAD framework to create a structured prompt for the AI.

### Solution:

- **B:** You are participating in a creative writing competition.
- **R:** Act as a professional fiction writer.
- **A:** Write a short story about friendship between a robot and a human.
- **D:** Limit it to 150 words and include a moral lesson.

### Prompt:

You are participating in a creative writing competition.  
Act as a professional fiction writer.  
Write a short story about friendship between a robot and a human.  
Limit it to 150 words and include a moral lesson.

### **Question 3: Image Generation**

#### **Scenario:**

You are using a generative image model (like DALL·E or Leonardo AI).  
Create a BRAD-based prompt to generate an image for an AI-themed poster.

#### **Solution:**

- **B:** You are designing a poster for an AI awareness campaign.
- **R:** Act as a digital artist.
- **A:** Generate an image showing the harmony between humans and AI.
- **D:** Use a futuristic city background with soft blue tones and glowing effects.

#### **Prompt:**

You are designing a poster for an AI awareness campaign.  
Act as a digital artist.  
Generate an image showing the harmony between humans and AI.  
Use a futuristic city background with soft blue tones and glowing effects.

### **4. Comparative Task**

#### **Scenario:**

Students must compare responses generated **with** and **without** using BRAD.  
Ask the AI two prompts and analyze the difference.

#### **Without BRAD:**

“Write about Generative AI.”

#### **With BRAD:**

You are preparing an article for a college magazine on new AI trends.  
Act as a technology journalist.  
Explain what Generative AI is and how it is transforming creativity.  
Use 150 words and give one example from daily life.