

Lab 6 : Domain-Specific Applications of ChatGPT

Objective:

Apply ChatGPT to a specific domain task, such as medical chatbots, legal document summarization, or educational quiz generation.

Activity Options (Choose One):

1. Medical Chatbot Simulation

Prompt Design Example:

You are a medical assistant chatbot. A patient reports a sore throat and mild fever. Suggest possible causes and recommend when to see a doctor.

Expected Output:

A clear, empathetic response listing possible causes (e.g., common cold, flu), self-care tips, and advice to consult a doctor if symptoms worsen.

2. Legal Document Summarization

Prompt Design Example:

Summarize the following legal contract focusing on the termination clause: [insert contract text].

Expected Output:

A concise summary explaining the conditions, notice period, and penalties related to contract termination.

3. Educational Quiz Generation

Prompt Design Example:

Generate 5 multiple-choice questions on the topic of photosynthesis for high school students, including answer options and correct answers.

Expected Output:

A list of 5 well-crafted questions with 4 options each, and the correct answer indicated.

Documenting Prompt Design and Output Evaluation

Domain Task	Prompt Used	Output Quality (Y/N)	Comments on Relevance and Clarity
Medical Chatbot Simulation	[Insert your exact prompt here]	Yes	Response was accurate, empathetic, and actionable
Legal Summarization	[Insert your exact prompt here]	Yes	Summary was concise and focused on termination terms
Educational Quiz Generation	[Insert your exact prompt here]	Yes	Questions appropriate for the grade level

