

LAB 1 : INTRODUCTION TO CHATGPT

ChatGPT: Summary and Applications

ChatGPT is an AI chatbot developed by **OpenAI**, based on the **GPT (Generative Pretrained Transformer)** model. It uses a **transformer architecture**, which relies on self-attention mechanisms to understand and generate human-like text. ChatGPT is trained on large datasets and fine-tuned using human feedback to improve response quality and relevance.

In real-world use:

- **Education:** Helps students with explanations, assignments, and language learning.
- **Healthcare:** Assists with symptom checks, mental health support, and basic health info (non-diagnostic).
- **Business:** Used for customer service, report generation, and writing assistance.
- **Creativity:** Supports story writing, idea generation, poetry, and scripting.

Overall, ChatGPT showcases the power of modern AI in transforming how we interact with machines across various sectors.
