Model Development Phase

Date	17th July 2024
Team ID	SWTID1720025517
Project Title	CodeXchange: An Ai-Powered Code Translator Tool Using Palm's Chat-Bison-001
Maximum Marks	5 Marks

Model Selection Report:

Factors such as performance, complexity, and computational requirements will be considered to determine the most suitable model for the task at hand.

Final Model	Description
PaLM Model	**Google's PaLM Model (chat-bison-001):** The PaLM model, particularly the chat- bison-001 variant, is a cutting-edge AI model designed to understand and generate human-like text and mainly developed for to and fro chat based instances. It is highly effective for a range of natural language processing tasks, including text generation, summarization, translation and chatting with contextual understanding. Leveraging this model, CodeXChange can convert text from one language to another with high accuracy and fluency. This enhances communication and understanding across different languages, making the translation process seamless and efficient.