Project Initialization and Planning Phase

Date	12July 2024
Team ID	SWTID1720075266
Project Name	CodeXchange: An Al-Powered Code Translator Tool using Palm's chat-bison-001
Maximum Marks	3 Marks

Define Problem Statements (Al-Powered Code Translator Tool Statement Template):

Problem Statements

1. **Platform Transition**: Facilitate seamless code translation for migrating applications between different programming languages while maintaining functionality and performance.
2. **Multilingual Collaboration**: Enable effective collaboration among developers using different programming languages by translating code snippets, ensuring readability and integration.
3. **Code Reusability Across Projects**: Promote reusability by translating existing code for new projects, saving development time and maintaining consistency.
4. **Error Handling and Debugging**: Address errors and bugs in translated code, ensuring it runs as expected and adheres to best practices.

Tabular Representation

Problem Statement	I am (Customer)	I'm trying to	But Because	Which makes me feel
PS-1	A developer want to translate his code into other programming language for his co-worker.	Translate code snippets efficiently across different programming languages	Need to ensure accuracy and maintain functionality across translations	Confident in producing reliable code translations that can be seamlessly integrated into different projects