Project Initialization and Planning Phase

Date	15 July 2024
Team ID	
Project Name	CodeXchange – An AI Powered Code Translator Tool using Palm's chat-bison-001
Maximum Marks	3 Marks

Define Problem Statements :

The current process of translating code between different programming languages presents significant challenges, impacting developers' efficiency and overall satisfaction. Developers, particularly those involved in projects requiring cross-platform compatibility or collaboration in multilingual environments, face obstacles such as manual code translation and increased development time. These challenges lead to a less-than-optimal developer experience, potentially affecting productivity and project timelines. To enhance our services and improve developer perceptions, we aim to address these pain points. By understanding developers' specific frustrations during the code translation process and implementing AI-powered solutions, we can create an efficient, user-friendly experience that aligns with our developers' expectations and fosters a positive relationship with our platform.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes
PS-1	A Python programmer.	Understand a Java Program.	Can not easily understand the full functionality of the code.	Good knowledge on a programming language.	More time to complete task or makes collaboration hard.