

## Project Initialization and Planning Phase

|               |  |
|---------------|--|
| Date          | 10 july 2024   |
| Team ID       | SWTID1720078627  |
| Project Name  | BugBuster-Automated-Code-Debugging-Tool-Using-Palm-s-Chat-Baison-001 |
| Maximum Marks | 3 Marks  |

### Define Problem Statements :

**BugBuster** aims to address the escalating challenges developers face in efficiently and accurately debugging complex software systems. Traditional debugging methods are time-consuming, error-prone, and often require deep technical expertise. By leveraging the power of Palm's Chat-Baison-001, BugBuster seeks to revolutionize the debugging process by providing an automated tool capable of:

- **Rapidly identifying and isolating code defects** through advanced code analysis and pattern recognition.
- **Providing actionable insights and recommendations** to developers for resolving issues effectively.
- **Reducing debugging time and effort** significantly, allowing developers to focus on higher-value tasks.
- **Improving code quality and reliability** by preventing defects from reaching production.

Ultimately, BugBuster aims to empower developers to build robust and high-performing software applications more efficiently.

| Problem Statement (PS) | I am                              | I'm trying to                      | But  | Because   | Which makes me feel |
|------------------------|-----------------------------------|------------------------------------|--|---|---------------------|
| PS-1                   | A programmer working on a project | Do add new features to our project | I have encountered a bug and unable to find it | The code is so huge and unable debug everything in the given time | Pressured           |