**Project Initialization and Planning Phase**

| Date | 19 June 2025 |
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| Team ID | SWTID1749821186 |
| Project Name | Enhancing Product Reliability: Leveraging Transfer Learning for Fault Detection |
| Maximum Marks | 3 Marks |

**Problem Statement:**

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| **I am**  **(Customer)** | part of a team in the casting industry |
| **I’m trying to** | ensure that every product we ship is free from defects |
| **But** | our current inspection process is manual and inconsistent |
| **Because** | it relies on human judgment, which is time-consuming and prone to error |
| **Which makes me feel** | frustrated and worried about costly rejections and production delays. |