**Project Design Phase**

**Problem – Solution Fit Template**

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID33878 |
| Project Name | Revolutionizing Liver Care : Predicting Liver Cirrhosis using Advanced Machine Learning Techniques |
| Maximum Marks |  |

**Problem – Solution Fit Template:**

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer’s problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

**Purpose:**

* **Enable early diagnosis** of liver cirrhosis by aligning with the current needs, behavior, and limitations of both patients and healthcare providers.
* **Accelerate clinical adoption** by delivering a non-invasive, fast, and cost-effective solution through platforms already familiar to users (e.g., mobile/web apps, hospital systems).
* **Strengthen outreach and awareness** using health-related triggers (abnormal test results, symptoms, family history) and design communication that speaks to real patient fears and doctor needs.
* **Build trust in technology-assisted screening** by addressing pain points—such as late diagnosis, limited specialist access, and lack of predictive tools—through a solution that's easy to use and medically relevant.
* **Understand real-world diagnostic barriers** and improve the current system with a predictive, user-friendly model that adapts to both urban and rural healthcare settings.

**Template:**

