**Project Design Phase**

**Proposed Solution Template**

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| --- | --- |
| Date |  |
| Team ID | LTVIP2025TMID54121 |
| Project Name | Revolutionizing Liver Care |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in the proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | To revolutionize liver care by accurately predicting liver cirrhosis using advanced machine learning techniques for early diagnosis and improved patient outcomes. |
|  | Idea / Solution description | Develop a machine learning model to accurately predict liver cirrhosis using clinical data, enabling early diagnosis and improved liver care. |
|  | Novelty / Uniqueness | The uniqueness of this approach lies in leveraging advanced machine learning techniques to enable early and precise prediction of liver cirrhosis from clinical data. |
|  | Social Impact / Customer Satisfaction | The solution enables early detection of liver cirrhosis, improving patient outcomes and satisfaction while reducing the burden on healthcare systems. |
|  | Business Model (Revenue Model) | The revenue model is based on offering the predictive tool as a subscription-based service to healthcare providers, hospitals, and diagnostic labs for early liver disease detection. |
|  | Scalability of the Solution | The solution is highly scalable, allowing widespread adoption across healthcare facilities through seamless integration with electronic health record systems. |