**Project Initialization and Planning Phase**

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| **Date** | 11th jun 2025 |
| **Team ID** | LTVIP2025TMID44055 |
| **Project Name** | Revolutionizing Liver Care :  Predicting Liver Cirrhosis Using  Advanced Machine Learning  Techniques |
| **Maximum Marks** | 3 Marks |

**Problem Statement Definition :**

The project is focused on creating an advanced machine learning-based predictive model to identify the onset or progression of liver cirrhosis in patients. Liver cirrhosis, a severe condition marked by liver tissue scarring due to prolonged damage, requires early detection and intervention to improve patient outcomes and avoid complications. By examining diverse patient data, including medical history, lab results, imaging scans, and lifestyle factors, the model aims to predict the likelihood of liver cirrhosis. This will assist healthcare professionals in making well-informed decisions regarding patient care.