

Date	JUNE 2025
Team ID	<b>LTVIP2025TMID40719</b>
Project Name	Revolutionizing Liver Care: Predicting Liver Cirrhosis using Advanced Machine Learning Techniques
Maximum Marks	4 Marks

## 📅 Agile Sprint Planning: Liver Cirrhosis Prediction Using ML

### ✓ Sprint 1 – Duration: 5 Days

#### Epic: Data Acquisition & Preprocessing

Story	Story Points	Description
📁 Collection of Data	2	Gather dataset (Excel/CSV)
📂 Loading Data	1	Load into Pandas DataFrame
<input type="checkbox"/> Handling Missing Values	3	Impute or drop NaNs
<input type="checkbox"/> Handling Categorical Values	2	Encode strings into numbers

**Total Story Points (Sprint 1): 8**

### ✓ Sprint 2 – Duration: 5 Days

#### Epic: Model Building & Deployment

Story	Story Points	Description
<input type="checkbox"/> Model Building	5	Train ML models (RF, LR, XGB)
<input type="checkbox"/> Testing Model	3	Evaluate using metrics
🌐 Working HTML Pages	3	Create UI pages for deployment
🚀 Flask Deployment	5	Deploy model using Flask

**Total Story Points (Sprint 2): 16**

### 📊 Velocity Calculation

- **Total Story Points:** 8 (Sprint 1) + 16 (Sprint 2) = **24**
- **Number of Sprints:** 2
- **Velocity** = Total Story Points ÷ Number of Sprints = **24 ÷ 2 = 12**

**Our team's velocity is 12 Story Points per Sprint.**