

## Project Planning Phase

### Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	26 JUNE 2025
Team ID	LTVIP2025TMID39531
Project Name	Revolutionizing Liver Care : Predicting Liver Cirrhosis using Advanced Machine Learning Techniques
Maximum Marks	5 Marks

#### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Project Initialization And Planning	USN-1	<ul style="list-style-type: none"> <li>Project Planning and Proposal</li> <li>Identifying and Defining the Problem Statement.</li> </ul>	10	High	S.Arshiya J Soma Sai Keerthana
Sprint-2	Data Collection and Data Preprocessing	USN-2	Collection of Data • Loading and Understanding of Data • Handling Null Values • Handling Categorical Data • Handling Outliers • Handling Duplicate Values.	10	High	S.Arshiya J Soma Sai Keerthana
Sprint-3	Exploratory Data Analysis and Model Building	USN-3	Univariate Analysis. • Bivariate Analysis • Multivariate Analysis	9	High	S.Arshiya J Soma Sai Keerthana
Sprint-4	Performance Testing and Model Deployment	USN-4	Descriptive Statistics. • Model Training using Various Algorithms. Testing Model with Evaluation Metrics • Hyperparameter Tuning	10	High	S.Arshiya J Soma Sai Keerthana

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>