# Initial Project Planning Template

| Date | 21st June 2025 |
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| Team ID | LTVIP2025TMID41362 |
| Project Name | Revolutionizing Liver Care: Predicting Liver Cirrhosis Using Advanced Machine Learning Techniques. |
| Maximum Marks | |

Product Backlog, Sprint Schedule, and Estimation

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority |
|---|---|---|---|---|---|
| Sprint-1 | Data Collection and Preprocessing | – | Understanding & loading data, Data cleaning, Exploratory Data Analysis (EDA) | – | High |
| Sprint-1 | Feature Engineering | – | Handling missing values and encoding categorical variables, Engineering features | – | High |
| Sprint-1 | Model Development | – | Training the machine learning model, Evaluating the model | – | High |
| Sprint-1 | Model Deployment | – | Creating a Flask app to deploy the model, Developing the front-end using HTML, CSS, and JS | – | High |

| Sprint-v | Testing, Validation, and Final Deployment | – | Testing the application, validating model predictions, Deploying on a cloud platform, Final testing | – | High |
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