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

Date	18 October 2022
Team ID	PNT2022TMID08131
Project Name	Project – Statistical Machine Learning techniques to liver disease prediction
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Dataset collection	USN-1	I need to collect the dataset of various patients	5	High	Jerome,hemanth
Sprint-1	Dataset upload	USN-2	I need to upload the dataset in the required software to work	5	High	Jerome,hemanth
Sprint-1	Dataset Preprocessing	USN-3	I need to import libraries, Reading the dataset, ESD, Splitting the dataset, Checking for null values and handling null values, Data visualization, Splitting the dataset	10	High	Jerome,hemanth
Sprint-2	Model Building	USN-4	I need to Train and Test the Model	5	High	Raghul,murali
Sprint-2		USN-5	I need to do Model evaluation	5	Medium	Raghul,murali
Sprint-2		USN-6	I need to Save model	10	High	Raghul,murali
Sprint-3	Application building	USN-7	I need to create a html file for login and register	4	Medium	Jerome, hemanth
Sprint-3		USN-8	I need to build up a python code to build a python code and attach html file	5	High	Jerome, hemanth
Sprint-4	Train model on IBM	USN-9	I need to train my model in ibm and integrate flask	10	High	Jerome, Hemanth, Raghul,murali
Sprint-4	Dashboard	USN-10	As a user, I need to enter my details	1	medium	Jerome, Hemanth, Raghul,murali
Sprint-4	Prediction	USN-11	As a user, I need to provide my Test result details	3	High	Jerome, Hemanth, Raghul,murali

Sprint-4	Admin	USN-12	As a admin I need to provide valid result	4	High	Jerome, Hemanth, Raghul,murali
Sprint-4		USN-7	As a admin I need to provide valid /useful suggestions	8	Medium	Jerome, Hemanth, Raghul,murali
Sprint-4	Data Process	USN-8	As a admin need to collect and store all the details andinformation.	16	High	Jerome, Hemanth, Raghul,murali

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts