PROJECT PLANNING PHASE

PROJECT PLANNING TEMPLATE (PRODUCT BACKLOG, SPRINT PLANNING, STORIES, STORY POINTS)

DATE	22 OCTOBER 2022
TEAM ID	PNT2022TMID15358
PROJECT NAME	STATISTICAL MACHINE LEARNING APPROACHES 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	Data Collection	USN-1	Collect the suitable dataset for predicting the liver disease	10	High	Jeno J
Sprint-1	Data Pre-Processing	USN-2	Datasets are transformed into useful format.	7	Medium	Arul Jeevika M Divyabharathi T Iswarya M Jeno J
Sprint-2	Model Building	USN-3	Calculate the Index values	10	Medium	Arul Jeevika M
Sprint-2		USN-4	Splitting the Model into Training and Testing from the overall dataset.	7	Medium	Iswarya M Jeno J
Sprint-3	Training and Testing	USN-5	Train the Model using Regression algorithm and testing the performance of the model.	10	High	Iswarya M Jeno J
Sprint-3	Application Building	USN-6	Build the HTML and python code	10	High	Arul Jeevika M Divyabharathi T
Sprint-4		USN-7	Run Flask App	10	High	Arul Jeevika M
Sprint-4	Implementation of the Application	USN-8	Deploy the model on IBM cloud.	10	High	Iswarya M

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	10	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	7	05 Nov 2022
Sprint-3	10	6 Days	06 Oct 2022	12 Nov 2022	8	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	7	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.

$$\mathbf{AV} = \frac{\text{sprint duration}}{\text{velocity}} = 6/10=0.6$$