Project Planning Phase

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

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	Download Food Nutrition Dataset	4	High	Nandhini .E Selvanayaki.S
Sprint-1	Image Preprocessing	USN-2	Importing The Dataset into Workspace	1	Low	Saranya.p Nandhini.E
Sprint-1		USN-3	Handling Missing Data	3	Medium	Kamali.R
Sprint-1		USN-4	Feature Scaling	3	Low	Saranya.P
Sprint-1		USN-5	Data Visualization	4	High	Kurin Firathos.S
Sprint-1		USN-6	Spitting the Data into the Train and Test	4	Medium	Kamali.R
Sprint-1		USN-7	Creating A Dataset with Sliding Windows	4	Medium	Kurin Firathos.S
Sprint-2	Model Building	USN-8	Importing The Model Building Libraries	1	Medium	Nandhini.E
Sprint-2		USN-9	Initializing The Model	3	High	Kamali.R Kurin Firathos.S
Sprint-2		USN-10	Adding LSTM Layers	2	Medium	Saranya.P Selvanayaki.S
Sprint-2		USN-11	Adding Output Layers	3	High	Saranya.P Nandhini.E
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**

Sprint-2		USN-12	Configure The Learning Process	2	Low	Kamali.R Kurin Firathos.S
Sprint-2		USN-13	Train The Model	2	Medium	Kamali.R Nandhini.E
Sprint-2		USN-14	Model Evaluation	1	Medium	Selvanayaki.S
Sprint-2		USN-15	Save The Model	2	Medium	Kamali.R Saranya.P
Sprint-2		USN-16	Test The Model	3	High	Kamali.R Kurin Firathos.S
Sprint-3	Application Building	USN-17	Create An HTML File	4	Medium	Nandhini.E Selvanayaki.S
Sprint-3		USN-18	Build Python Code	4	High	Kamali.R Kurin Firathos.S
Sprint-3		USN-19	Creating our Flask application and loading our model by using load_model method	4	Medium	Saranya.p Nandhini.E
Sprint-3		USN-20	Routing to HTML page	4	High	Selvanayaki.S
Sprint-3		USN-21	Run the application	2	Medium	Kamali.R Kurin Firathos.S
Sprint-4	Train The Model On IBM	USN-21	Register For IBM Cloud	4	Medium	Nandhini.E Selvanayaki.S
Sprint-4		USN-22	Train The ML Model On IBM	8	High	Kamali.R Kurin Firathos.S
Sprint-4		USN-23	Integrate Flask with Scoring End Point	8	High	Kamali.R Kurin Firathos.S

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

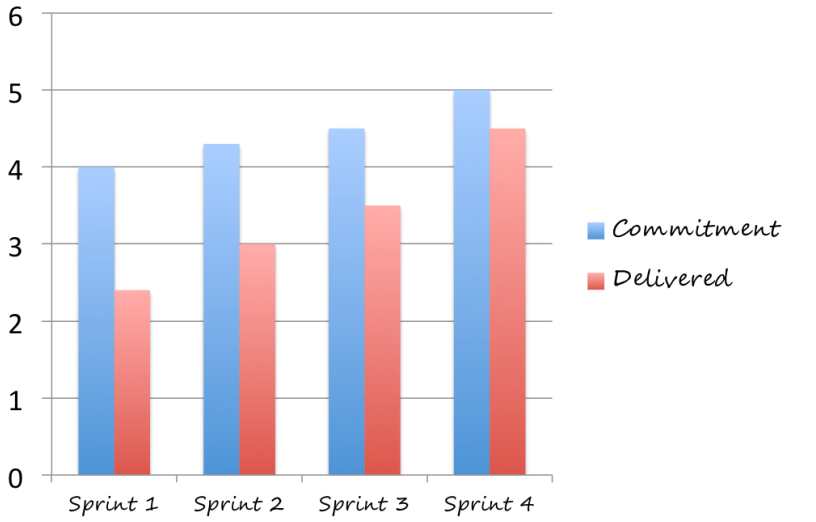
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	2 Nov 2022	2 Nov 2022	20	06 Nov 2022
Sprint-2	20	6 Days	08 Nov 2022	09 Nov 2022	20	10 Nov 2022
Sprint-3	20	6 Days	11 Nov 2022	12 Nov 2022	20	13 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	17 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)

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

VELOCITY CHART



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