project Planning Phase

Project Planning Template(Product Backlog, Sprint Planning, Stories, StoryPoints)

Date	17 NOV 2022
Team ID	PNT2022TMID38905
Project name	AI Powered Nutrition Analyser and Enthusiasts
Maximum Mark	8 Marks

Product Backlog.Sprint Schudule and Estimation(4 marks)

Sprint	Functional Requirem	User story number	User story/Task	Story Points	Priority	Team members
Sprint-1	Data Collection	USN-1	Download Food Nutrition Dataset	4	High	kiruthika
Sprint-1	Data Preprocessing	USN-2	Importing The Dataset into Workspace	1	Low	Girija
Sprint-1		USN-3	Handling Missing Data	3	Medium	Jayasri
Sprint-1		USN-4	Feature Scaling	3	Low	Eashwar
Sprint-1		USN-5	Data Visulization	4	High	kiruthika
Sprint-1		USN-6	Spliting the DataSet into Train and Test	4	Medium	Girija
Sprint-1		USN-7	Creating a Dataset with SlidingWindows	4	Medium	Jayasri
Sprint-2	Model Building	USN-8	Importing the Model Building Libraries	1	Medium	Eashwar
Sprint-2		USN-9	Initialization and Model	3	High	kiruthika
Sprint-2		USN-10	Adding LSTM Layer	2	Medium	Girija
Sprint-2		USN-11	Adding Output Layer	3	High	Jayasri
Sprint-2		USN-12	Configure the learning process	2	Low	Eashwar
Sprint-2		USN-13	Train the model	2	Medium	Jayasri
Sprint-2		USN-14	Model evaluation	1	Medium	girija
Sprint-2		USN-15	Save the model	2	Medium	Eashwar
Sprint-2		USN-16	Test the model	3	high	kiruthika
Sprint-3	Application building	USN-17	Create and HTML file	4	Medium	jayasri

Sprint-3		USN-18	Build python model	4	high	girija
Sprint-3		USN-19	Creating our flask application and load our model by using load- model method	4	Medium	Kiruthika
Sprint-3		USN-20	Routing to HTML page	4	high	Girija
Sprint-3		USN-21	Run the application	2	Medium	Girija
Sprint-4	Train the model on IBM	USN-21	Register For IBM Cloud	4	Medium	Jayasri
Sprint-4		USN-22	Train The ML Model On IBM	8	High	Kiruthika
Sprint-4		USN-23	Integrate Flask with Scoring End Point	8	High	eashwar

project Tracker, Velocity & Burn down Chart: (4marks)

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	6days	24Oct2022	29Oct2022	20	17Nov2022
Sprint-2	20	6days	31Oct2022	05Nov2022	20	17Nov2022
Sprint-3	20	6days	07Nov2022	12Nov2022	20	17Nov2022
Sprint-4	20	6days	14Nov2022	19nov2022	20	17Nov2022

Velocity:

Imagination we have a 10-days sprint duration, and the velocity of the team is 20 (points per sprint)

lets calculate the teams average velocity(AV) periteration unit(story points per day)

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