Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID20421
Project Name	Al-powered nutrition analyzer for fitness enthusiast
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data collection	Task-1	To build a Deep learning Model which begins with the process of splitting data into training and testing set.	4	Medium	Azhagan, Karthick
Sprint-1	Data preprocessing	Task-2	We import the required libraries for preprocessing. We instantiate the ImageDataGenerator class to configure and augment different types of image data.	5	Low	Varsha Yamuna Mary
Sprint-1	Data Preprocessing	Task-3	Application of the ImgaeDataGenerator to the Train and Test Set.	7	Medium	Azhagan Karthick
Sprint-2	Feature Extraction	Task-4	Build a CNN Model and only use it as a feature extraction by freezing the convolution blocks.	8	High	Azhagan, Karthick, Varsha, yamuna mary
Sprint-2	Building the layers	Task-5	Adding of dense layers with the aid of Keras. Addition of Optimizer, choosing loss function and the Metrics.	7	High	Azhagan ,Karthick
Sprint-2	Train, Save,Test	Task-6	To train the model with the configured neural network and save the model. Test the built model against the testing dataset.	3	High	Varsha Yamuna Mary

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Building Login Page	USN-3	As a user, she will be able to login using her credentials.	3	Low	Azhagan
Sprint-3	Building prediction page	USN-4	As a user, she will be able to receive the diagnosis on her diabetic retinopathy.	2	Medium	Karthick, Azhagan
Sprint-3	Build python code	Task-9	Import the libraries and Initialise the necessary modules	1	Medium	Varsha, Yamuna Mary
Sprint-4		Task-12	Showcasing the model's prediction on UI.	1	High	Karthick, Varsha
Sprint-4	Run the application.	Task-13	Run the application in the anaconda prompt to check the application.	2	High	Varsha, Yamuna Mary
Sprint-4	Train Model On IBM	Task-15	train the model on IBM and integrate it with the flask Application.	3	High	Karthick, Azhagan, Varsha