Project Planning Phase

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

Date	27October 2022
Team ID	PNT2022TMID49457
Project Name	Fertilizers Recommendation System For Disease Prediction
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	Registration	USN-1	As an biogeography, I can register for the application by entering my email, password, and confirming my password.	2	High	AnishFathima M Emili S Ishwarya R Lakshmipriya S Priyadharshini A
Sprint-1	User Confirmation	USN-2	As an biogeography, I will receive confirmation email once I have registered for the application	1	Medium	AnishFathima M Emili S Ishwarya R Lakshmipriya S Priyadharshini A

Sprint-1	Login	USN-3	As an biogeography, I can log into the application by entering email & password	2	High	AnishFathima M Emili S Ishwarya R Lakshmipriya S Priyadharshini A
Sprint-2	Data Collection	USN-1	Download the dataset used in Digital Naturalist – AI Enabled tools for Biodiversity Researchers	2	High	AnishFathima M Emili S Ishwarya R Lakshmipriya S Priyadharshini A

Sprint-2	Image Preprocessing	USN-1	Improving the image data that suppresses unwilling distortions or enhances some image features important for further processing, although performing some geometric transformations of images like rotation, scaling, etc.	1	High	AnishFathima M Emili S Ishwarya R Lakshmipriya S Priyadharshini A
Sprint-3	Mode building for fruit Disease Prediction	USN-1	The augmented and pre-processed image data, In begin our model building, this activity: Import the model building Libraries Initializing the model Adding CNN Layers Adding Hidden Layer Adding Output Layer Configure the Learning Process Training and testing the model Saving the model	2	High	AnishFathima M Emili S Ishwarya R Lakshmipriya S Priyadharshini A
Sprint-3	Model building for vegetable Disease Prediction	USN-1	The augmented and pre-processed image data, In begin our model building, this activity: Import the model building Libraries Initializing the model Adding CNN Layers Adding Hidden Layer Adding Output Layer Configure the Learning Process Training and testing the model Saving the model			

Sprint-3	Test Both the Models	USN-1	The model is to be tested with different images to know if it is working correctly. Import the packages and load the saved model Import the required librariesnitially, we will be loading the fruit model. You can test it with the vegetable model in a similar way.Load the test image, pre-process it and predict Pre-processing the image includes models.	1	Medium	AnishFathima M Emili S Ishwarya R Lakshmipriya S Priyadharshini A
Sprint-4	Application Building	USN-2	After the model is built, we will be integrating it to a web application so that normal users can also use it. The users need to give the images of species	1	High	AnishFathima M Emili S Ishwarya R Lakshmipriya S Priyadharshini A
Sprint-4	Train the Model on IBM	USN-3	Build Deep learning model and computer vision Using the IBM cloud.	2	High	AnishFathima M Emili S Ishwarya R Lakshmipriya S Priyadharshini A

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	4 Days	24 Oct 2022	27 Oct 2022	20	29 Oct 2022
Sprint-2	20	5 Days	28 Oct 2022	01 Nov 2022	20	04 Nov 2022
Sprint-3	20	8 Days	02 Nov 2022	09 Nov 2022	20	11 Nov 2022
Sprint-4	20	9 Days	10 Nov 2022	18 Nov 2022	20	19 Nov 2022