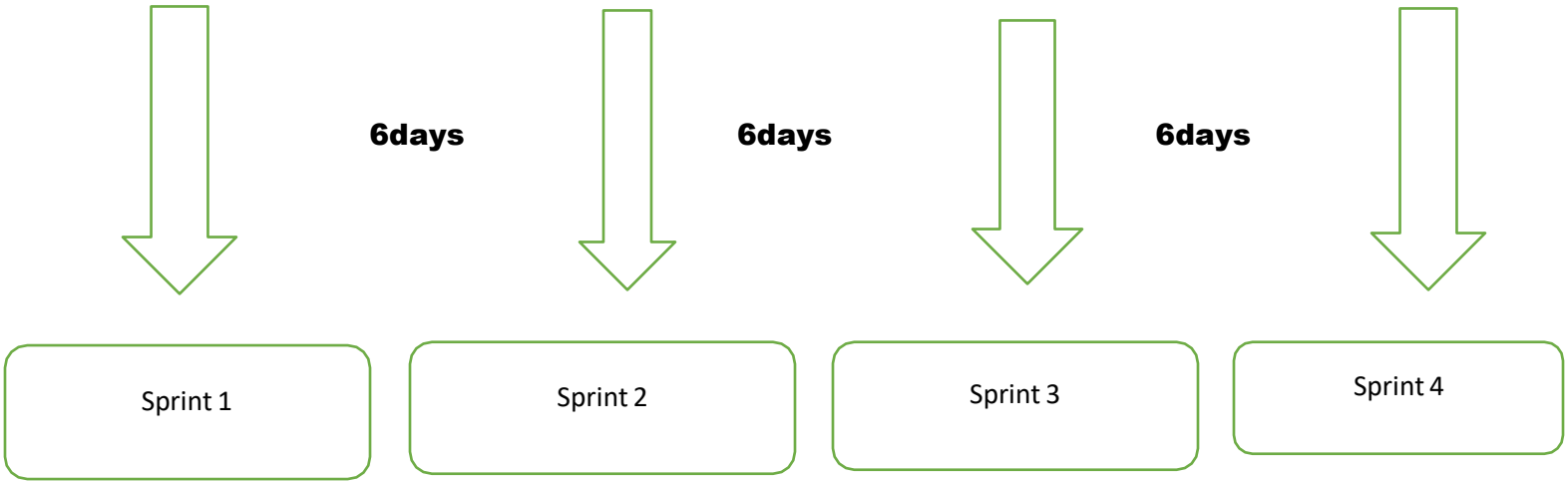
Planning Process

Milestone & Activity List

Date	2-11-2022
Team ID	PNT2022TMID10926
Project Name	Fertilizers Recommendation System for Disease Prediction
Maximum Marks	8mark

Planning	Start Date	End Date	Process	Team Member
Prerequisites	24-10-22	24-10-22	Download the Anaconda Navigator Install the packages (NumPy, pandas, keras, tensor flow)	Sriram S B Logeshsanjay R Manikandan N Venugopal B
Data Collection	25-10-22	25-10-22	Download the Dataset	Sriram S B Logeshsanjay R Manikandan N Venugopal B
Image Processing	26-10-22	31-10-22	Process the Image Apply the Image Data Generator Functionality to the Train set and Test set	Sriram S B Logeshsanjay R Manikandan N Venugopal B
Model Building For Fruits Disease	01-11-22	05-11-22	Import the Libraries Initializing the model Add CNN Layers Add Dense Layers	Sriram S B Logeshsanjay R Manikandan N Venugopal B
Prediction	01-11-22	05-11-22	Train and save the model	Sriram S B Logeshsanjay R Manikandan N Venugopal B
Model Building For Vegetable Disease	06-11-22	10-11-22	Train and save the model	Sriram S B Logeshsanjay R Manikandan N Venugopal B

Test both the models	11-11-22	14-11-22	Test the model	Sriram S B Logeshsanjay R Manikandan N Venugopal B
Train the model on IBM cloud	13-11-22	15-11-22	Register for IBM Cloud Train Model on IBM	Sriram S B Logeshsanjay R Manikandan N Venugopal B
Application Building	24-10-22	15-11-22	Built Python Code Built HTML Page Run the code	Sriram S B Logeshsanjay R Manikandan N Venugopal B



Sprint	Functional Requirements (EPIC)	User Story Number	User Story/Task	Story Points (Total)	Priority	Team Members
Sprint- 1	Model Creation and Training (Fruits)		Create a model which can classify diseased fruit plants from given images. I also need to test the model and deploy it on IBM Cloud	8	High	Sriram S B Logeshsanjay R Manikandan N Venugopal B
	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetables plants from given images	2	High	Sriram S B Logeshsanjay R Manikandan N Venugopal B

Sprint-2	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetables plants from given images andtrain on IBM Cloud	6	High	Sriram S B Logeshsanjay R Manikandan N Venugopal B
	Registration	USN-1	As a user, I can register by entering my email, password and confirming my passwordor via O Auth API	3	Medium	Sriram S B Logeshsanjay R Manikandan N Venugopal B
	Upload page	USN-1	As a user, I will be redirected to a page where I can upload my pictures of crops	4	High	Sriram S B Logeshsanjay R Manikandan N Venugopal B
	Suggestion results	USN-3	As a user, I can view the results and then obtain the suggestions provided by the ML model	4	High	Sriram S B Logeshsanjay R Manikandan N Venugopal B
	Base Flask App		A base Flask web app must be created as an interface forthe ML model	2	High	Sriram S B Logeshsanjay R Manikandan N Venugopal B
Sprint-3	Login	USN-4	As a user/admin/shopkeeper,I can log into the application by entering email & password	2	High	Sriram S B Logeshsanjay R Manikandan N Venugopal B
	User Dashboard	USN-5	As a user, I can view the previous results and history	3	Medium	Sriram S B Logeshsanjay R Manikandan N Venugopal B
	Integration		Integrate Flask, CNN modelwith Cloud ant DB	5	Medium	Sriram S B Logeshsanjay R Manikandan N Venugopal B

	Containerization		Containerize Flask app usingDocker	2	Low	Sriram S B Logeshsanjay R Manikandan N Venugopal B
Sprint-4	Dashboard (Admin)	USN-6	As a admin, I can view otheruser details and uploads for other purposes	2	Medium	Sriram S B Logeshsanjay R Manikandan N Venugopal B
	Dashboard (Shopkeeper)	USN-7	As a shopkeeper, I can enterfertilizer products and then update the details if any	2	Low	Sriram S B Logeshsanjay R Manikandan N Venugopal B
	Containerization		Create and deploy Helm using Docker Image made before	2	Low	Sriram S B Logeshsanjay R Manikandan N Venugopal B