

## Project Planning Phase

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

Date	25 October 2022
Team ID	PNT2022TMID24449
Project Name	Fertilizer Recommendation System for DiseasePrediction
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (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	A.Dinesh Shithik Varshan, H.Kishore, Y.Srikanth, R.Velmurugan, P S.Venkatesh
	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images	2	High	A.Dinesh Shithik Varshan, H.Kishore, Y.Srikanth, R.Velmurugan, P S.Venkatesh.

<b>Sprint</b>	<b>Function- al Re- quirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Sto- ry Poin ts (Total)</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-2	Model Crea- tionand Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images and train onIBM Cloud	6	High	A.Dinesh Shithik Varshan, H.Kishore, Y.Srikanth, R.Velmurugan, P S.Venkatesh.
	Registration	USN-1	As a user, I can register by entering my email,password, and confirming my pass- word or viaOAuth API	3	Medium	A.Dinesh Shithik Varshan, H.Kishore, Y.Srikanth, R.Velmurugan, P S.Venkatesh
	Upload page	USN-2	As a user, I will be redirected to a page where I can upload my pictures of crops	4	High	A.Dinesh Shithik Varshan, H.Kishore, Y.Srikanth, R.Velmurugan, P S.Venkatesh
	Suggestion re- sults	USN-3	As a user, I can view the results and then obtainthe suggestions provided by the ML model	4	High	A.Dinesh Shithik Varshan, H.Kishore, Y.Srikanth, R.Velmurugan, P S.Venkatesh
	Base Flask App		A base Flask web app must be created as aninterface for the ML model	2	High	A.Dinesh Shithik Varshan, H.Kishore, Y.Srikanth, R.Velmurugan, P S.Venkatesh
Sprint-3	Login	USN-4	As a user/admin/shopkeeper, I can log into theapplication by entering email & pass- word	2	High	A.Dinesh Shithik Varshan, H.Kishore, Y.Srikanth, R.Velmurugan, P S.Venkatesh.
	User Dashboard	USN-5	As a user, I can view the previous results andhistory	3	Medium	A.Dinesh Shithik Varshan, H.Kishore, Y.Srikanth, R.Velmurugan, P S.Venkatesh.

	Integration		Integrate Flask, CNN model with Cloudant DB	5	Medium	A.Dinesh Shithik Var- shan, H.Kishore, Y.Srikanth, R.Velmurugan, P S.Venkatesh
Sprint-4	Dashboard (Admin)	USN-6	As an admin, I can view other user details and uploads for other purposes	2	Medium	A.Dinesh Shithik Var- shan, H.Kishore, Y.Srikanth, R.Velmurugan, P S.Venkatesh
	Containerization		Containerize Flask app using Docker	2	Low	A.Dinesh Shithik Varshan, H.Kishore, Y.Srikanth, R.Velmurugan, P S.Venkatesh
	Dashboard (Shopkeeper)	USN-7	As a shopkeeper, I can enter fertilizer products and then update the details if any	2	Low	A.Dinesh Shithik Varshan, H.Kishore, Y.Srikanth, R.Velmurugan, P S.Venkatesh
	Containerization		Create and deploy Helm charts using Docker Image made before	2	Low	A.Dinesh Shithik Varshan, H.Kishore, Y.Srikanth, R.Velmurugan, P S.Venkatesh

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	10	6 Days	24 Oct 2022	29 Oct 2022	10	30 Oct 2022
Sprint-2	15	6 Days	31 Oct 2022	05 Nov 2022	15	06 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022	15	13 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022	10	20 Nov 2022