

## Project Planning Phase

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

Date	19 November 2022
Team ID	PNT2022TMID14789
Project Name	Fertilizer 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	Data Collection	USN-1	Collecting dataset for pre-processing	10	High	Praveen PV Bodapati Revanth Yenuguala Jaswanth Bijjam Chandra Mouli
Sprint-1		USN-2	Data pre-processing-Used to transform the data into useful format.	10	Medium	Praveen PV Bodapati Revanth Yenuguala Jaswanth Bijjam Chandra Mouli
Sprint-2	Model Building	USN-3	Model building for fruit and vegetable disease prediction	10	High	Praveen PV Bodapati Revanth Yenuguala Jaswanth Bijjam Chandra Mouli
Sprint-2		USN-4	Splitting the data into training and testing from the entire dataset.	10	Medium	Praveen PV Bodapati Revanth Yenuguala Jaswanth

						Bijjam Chandra Mouli
Sprint-3	Training and Testing	USN-5	Training the model and testing the performance of the model	20	Medium	Praveen PV Bodapati Revanth Yenuguala Jaswanth Bijjam Chandra Mouli
Sprint-4	Implementation of Web page	USN-6	Implementing the web page for collecting the data from user	10	High	Praveen PV Bodapati Revanth Yenuguala Jaswanth Bijjam Chandra Mouli
Sprint-4		USN-6	Deploying the model using IBM Cloud and IBM Watson Studio	10	Medium	Praveen PV Bodapati Revanth Yenuguala Jaswanth Bijjam Chandra Mouli

**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	6 Days	24 Oct 2022	29 Oct 2022	20	03 NOV 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

**Velocity:**

Sprint 1 Average Velocity: Average  
Velocity =  $20/2 = 10$

Sprint 2 Average Velocity: Average  
Velocity =  $20/2 = 10$

Sprint 3 Average Velocity: Average  
Velocity =  $20/1 = 20$

Sprint 4 Average Velocity: Average  
Velocity =  $20/2 = 10$

### Burndown Chart:

