

## Project Planning Phase

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

Date	6 <sup>th</sup> November 2022
Team ID	PNT2022TMID21312
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	Vijayalakshmi M Shankari S Bhuvaneshwari K Karpagam P
Sprint- 1		USN-2	Data pre-processing- Used to transform the data into useful format.	10	Medium	Vijayalakshmi M Shankari S Bhuvaneshwari K Karpagam P
Sprint- 2	Model Building	USN-3	Model building for fruit and vegetable disease prediction	10	High	Vijayalakshmi M Shankari S Bhuvaneshwari K Karpagam P
Sprint- 2		USN-4	Splitting the data into training and testing from the entire dataset.	10	Medium	Vijayalakshmi M Shankari S Bhuvaneshwari K Karpagam P

Sprint- 3	Training and Testing	USN-5	Training the model and testing the performance of the model	20	Medium	Vijayalakshmi M Shankari S Bhuvaneshwari K Karpagam P
Sprint- 4	Implementation of Web page	USN-6	Implementing the web page for collecting the data from user	10	High	Vijayalakshmi M Shankari S Bhuvaneshwari K Karpagam P
Sprint- 4		USN-6	Deploying the model using IBM Cloud and IBM Watson Studio	10	Medium	Vijayalakshmi M Shankari S Bhuvaneshwari K Karpagam P

#### 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	04 NOV 2022
Sprint- 2	20	6 Days	31 Oct 2022	05 Nov 2022	20	06 NOV 2022
Sprint- 3	20	6 Days	07 Nov 2022	12 Nov 2022	20	09 NOV 2022
Sprint- 4	20	6 Days	14 Nov 2022	19 Nov 2022	20	12 NOV 2022

## Velocity:

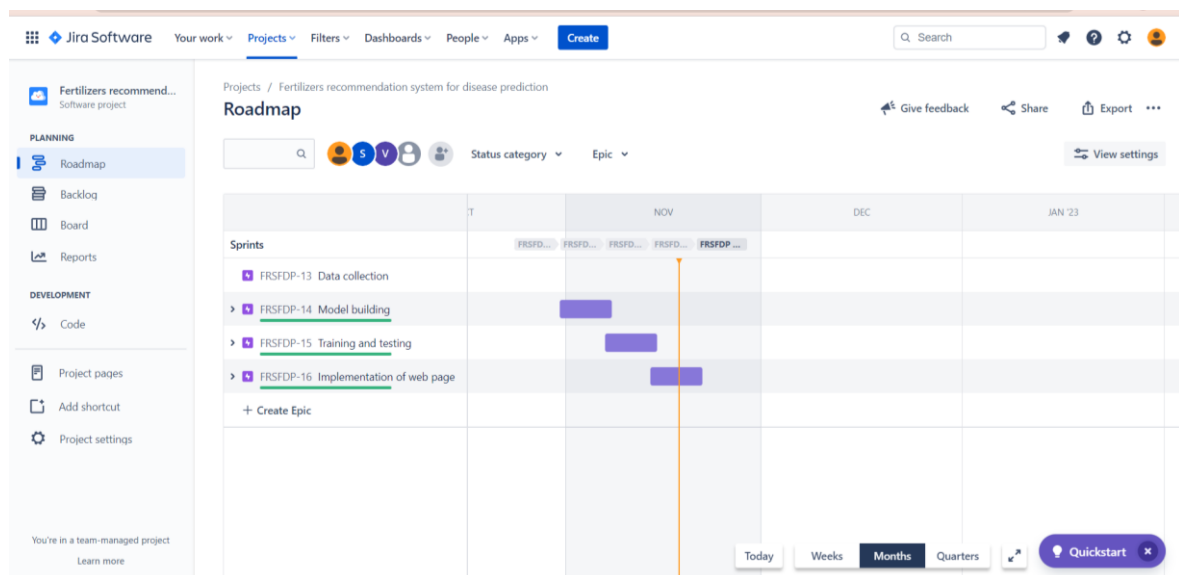
Sprint 1 Average Velocity: Average  
Velocity =  $20/2 = 10$

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

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

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

## Roadmap



Burndown chart

