# PROJECT PLANNING PHASE

## (Product backlog , sprint planning , stories , stories point)

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|---|---|
| **Date** | **21-10-2022** |
| **Team Id** | **PNT2022TMID39322** |
| **Project title** | **Fertilizer recommendation system for plant diseases prediction** |
| **Maximum mark** | **8 marks** |

## PRODUCT BACKLOG , SPRINT DELIVERY, ESTIMATION (4MARK):

| Sprint | Functional requirement(epic) | User story number | User story and tasks | Story point | priority | Team member |
|---|---|---|---|---|---|---|
| **Sprint 1** | Data collection | USN 1 | User can login to website | **20** | High | VINISHA.V. D. ,A.AKALYA ,S.KAVYA ,S. Iswarya |
| **Sprint2** | Image preprocessing ,Model building for fruit and vegetable diseases prediction | USN 2 | After login , the user have motivation on green agriculture. | **20** | high | V. D. Vinisha , s . kaviya A . akalya , s. I swarya |
| **Sprint 3** | Test both the model ,train model on IBM | USN 3 | We have option on whether going to select fruit or vegetable leaves | **20** | medium | v. d. vinisha , a . akalya ,s.kaviya ,s.iswarya |
| **Sprint 4** | Application building for project | USN 4 | Upload image of affected plant leaves and click predict button and result was shown which kind fertilizer is recommended. | 20 | high | v. d . Vinisha , a . Akalya , s . Kaviya , s. iswarya |

## Project tracker , velocity :

| Sprint | Total story points | duration | Sprint start date | Sprint end date (planned) | Story point completed (as on planned end date) | Sprint release date(actual) |
|---|---|---|---|---|---|---|
| Sprint 1 | 20 | 6 days | 24-oct -2022 | 29-oct-2022 | | 29-oct-2022 |
| Sprint 2 | 20 | 6 days | 31-oct-2022 | 05-nov-2022 | | 05-nov-2022 |
| Sprint 3 | 20 | 6 days | 07-nov-2022 | 12-nov-2022 | | 12-nov-2022 |
| Sprint 4 | 20 | 6 days | 14-nov-2022 | 19-nov-2022 | | 19-nov-2022 |

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points

***AV= SPRINT DELIVRY \ VELOCITY***

***= 20\10 =2***

# Burndown chart: