Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 09NOV2022 |
| Team ID | PNT2022TMID39047 |
| Project Name | IOT based smart crop protection for Agriculture |
| 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 | CLARIFAI | USN-1 | Sensors and wi-fi module with python | 2 | High | K.Sriharini  R.Santhosh  Kumar  S.Manoj  S.Cindrella  pascal  S.Pradeepa |
| code | , |
| To create |  |
| application in |  |
| clarifai and run the |  |
| python code |  |
| Sprint- 2 | SOFTWARE | USN-2 | IBM watson iot platform , | 2 | High | K.Sriharini  R.Santhosh  Kumar  S.Manoj  S.Cindrella  pascal  S.Pradeepa |
| workflows for iot |  |
| scenarios using |  |
| node-red |  |
| Sprint- 3 | SOFTWARE | USN-3 | Connecting iot device with object | 2 | high | K.Sriharini  R.Santhosh  Kumar  S.Manoj  S.Cindrella  pascal  S.Pradeepa |
| storage |  |
|  |  |
| Sprint- 4 | WEB UI | USN-4 | To make the user to interact with | 2 | high | K.Sriharini  R.Santhosh  Kumar  S.Manoj  S.Cindrella  pascal  S.Pradeepa |
| software |  |
|  |  |

# 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 | 29 Oct 2022 |
| Sprint- 2 | 20 | 6 Days | 31 Oct  2022 | 05 Nov 2022 | 20 | 05 Nov2022 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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- 3 | 20 | 6 Days | 07 Nov  2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint- 4 | 20 | 6 Days | 14 Nov  2022 | 19 Nov 2022 | 20 | 14 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 per day)

# Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile [software development](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). However, burn down charts can be applied to any project containing measurable progress over time.

