ProjectPlanningPhase

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| --- | --- |
| Date | 3/11/2022 |
| TeamID | PNT2022TMID01408 |
| ProjectName | Smart Farmer-IoTEnabledSmart  FarmingApplication |
| MaximumMarks | 8 Marks |

ProductBacklog,SprintSchedule,andEstimation(4Marks)

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| --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement(Epic)** | **UserStory**  **Number** | **UserStory/Task** | **StoryPoints** | **Priority** |
| 01Sprint-1 | Simulationcreation | USN-1 | Connect Sensors and Arduino with pythoncode | 2 | High |
| Sprint-2 | Software | USN-2 | Creating device in the IBMWatson IoT  platform,workflow for IoT scenario susing Node-Red | 2 | High |
| Sprint-3 | MITAppInventor | USN-3 | Develop an application for the Smart farmer project using MITApp Inventor | 2 | High |
| Sprint-3 | Dashboard | USN-3 | Design the Modules and test the app | 2 | High |
| Sprint-4 | WebUI | USN-4 | Tomaketheuserto interact with software. | 2 | High |

ProjectTracker,Velocity&BurndownChart:(4Marks)

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total StoryPoints** | **Duration** | **SprintStartDate** | **SprintEndDate(Planned)** | **Story PointsCompleted(ason**  **PlannedEndDate)** | **SprintReleaseDate(Actual)** |
| Sprint-1 | 20 | 6Days | 24Oct2022 | 29Oct2022 | 20 | 29Oct2022 |
| Sprint-2 | 20 | 6Days | 31Oct2022 | 05Nov2022 | 20 | 05Nov2022 |
| Sprint-3 | 20 | 6Days | 07Nov2022 | 12Nov2022 | 20 | 12Nov2022 |
| Sprint-4 | 20 | 6Days | 14Nov2022 | 19Nov2022 | 20 | 19Nov2022 |

Velocity:

Imaginewehavea10-daysprint duration,andthevelocityoftheteam is20(pointspersprint).Let’s calculatetheteam’saveragevelocity(AV) periterationunit(storypointsperday)



BurndownChart:

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 suchas [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/).However,burn down chartscanbe appliedto anyprojectcontainingmeasurableprogressover time.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/><https://www.atlassian.com/agile/tutorials/burndown-charts>