Project Planning Phase

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

Date Team ID

Project Name Maximum Marks

03 November 2022

PNT2022TMID13439

Project – Smart Farmer- IoT based SmartFarming Application

8 Marks

# Product Backlog, Sprint Schedule, and Estimation (4 Marks)

**Sprint**

Sprint-1

# Functional Requirement (Epic)

Simulation creation

# User Story Number

USN-1

# User Story / Task

Connect Sensors and Arduino with python code

# Story Points

2

# Priority

High

# Team Members

Prasanth M, Naveen P M

Sprint-2

Sprint-3

Software

MIT App Inventor

USN-2

USN-3

Creating device in the IBM Watson IoT

platform, workflow for IoT scenarios usingNode-Red

Develop an application for the Smart farmerproject using MIT App Inventor

2 High

2 High

Prasanth M, Naveen T, Niranjan N

Prasanth M

# Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint-3

Dashboard

USN-3

Design the Modules and test the app

2

High

Niranjan N

Sprint-4

Web UI

USN-4

To make the user to interact with software.

2

High

Niranjan N, Prasanth M,

Naveen T, Naveen P M

**Sprint**

**Total Story Points**

**Duratio Sprint Start n Date**

**Sprint End Date (Planned)**

Sprint-1

20

7 Days 30 Oct 2022

06 Nov 2022

**Story Points Completed (as on Planned End Date)**

20

**Sprint Release Date(Actual)**

29 Oct 2022

Sprint-2

20

9 Days 31 Oct 2022

09 Nov 2022

05 Oct 2022

Sprint-3

20

6 Days 06 Nov 2022

13 Nov 2022

12 Oct 2022

Sprint-4

20

6 Days 11 Nov 2022

17 Nov 2022

15 Oct 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)

