Project Planning Phase

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

DATE	**18TH NOVEMBER**
TEAM ID	**PNT2022TMID29336**
PROJECT	**IOT-SMART FARMING**

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

	Functional Requirement (Epic)	User Story Number	DESIGN	Points	QUALIY	Team Members
Sprint-1	Simulation Creation	USN-1	Connect Sensors and Arduino with python code	2	HIGH	PRIYANKA.K
Sprint-2	Software	USN-2	Creating device in the IBM Watson IoT platform, workflow for IoT scenarios using Node-Red	2	HIGH	SARUMATHI
Sprint-3	MIT APP INVENTOR	USN-3	Develop an application for the Smart farmer project using MIT App Inventor	2	HIGH	PRIYANGA.M

SPRINT-4	Web UI	**USN-4**	To make the user to interact with software	**2**	**HIGH**	**PRIYANKA.K**

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

SPRINT	TOTAL STORY POINT	NO.OF DAYS	DATE	SPRINT END DATE	STORY POINT COMPLETED	SPRINT RELASE DATE
SPRINT 1	**20**	**7 DAYS**	30 Oct 2022	06 Nov 2022	**20**	**29 OCT 2022**
SPRINT 2	**20**	**9DAYS**	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**

Start 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$