Project Planning Phase
Sprint Delivery Plan

Date	3 November 2022
Project Name	Smart Farmer - IoT Enabled Smart Farming Application
Maximum Marks	8 Marks
TEAM ID	PNT2022TMID04704

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story /Task	Story Points	Priority	Team Member
Sprint-1	Registration (Farmer)	USN-1	As a user, I can register for the application by entering my username, password.	4	High	Ramya T
Sprint-1	IBM IoT cloud Service	USN-2	Publish and subscribe to IBM IoT cloud	4	High	Rohinth M.P

Sprint-2	I/O interface for Sensors.	USN-3	As a user, I can connect the various sensors like temperature, moisture sensor with Arduino board.	8	High	Naveen M
Sprint-3	Interface for connecting to IBM IoT cloud.	USN-4	Temperature and soil moisture sensor sends the data to the cloud via IBM Watson service.	3	High	Rohith Kumar P
Sprint-3	Create Node Red Simulator	USN - 5	Create Node-Red Service and create a web application	3	Medium	Ramya T
Sprint - 4	App Development	USN - 6	Add a user interface in a mobile app to monitor temperature, humidity and control the motor.	6	High	Rohinth M P

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

Sprint	Total Story Points	Duration	Sprint StartDate	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date(Actual)
Sprint-1	8	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	8	6 Days	31 Oct 2022	05 Nov 2022	8	05 NOV 2022
Sprint-3	6	6 Days	07 Nov 2022	12 Nov 2022	6	12 NOV 2022
Sprint-4	6	6 Days	14 Nov 2022	19 Nov 2022	6	19 NOV 2022

Velocity:

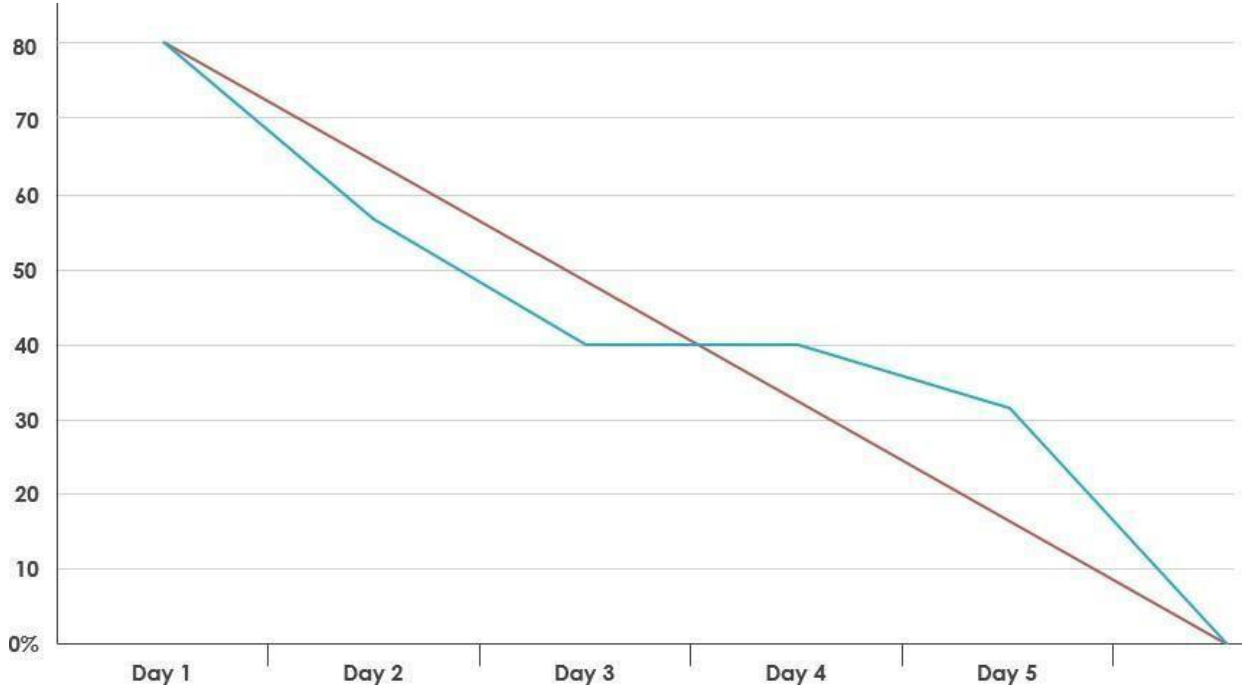
Average Velocity for sprint 1= Sprint Duration /velocity =6/8 = 0.75

Average Velocity for sprint 2= Sprint Duration /velocity =6/8 = 0.75

Average Velocity for sprint 3= Sprint Duration /velocity =6/6 = 1

Average Velocity for sprint 4= Sprint Duration /velocity =6/6 = 1

Burndown Chart:



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