Project Planning Phase

Milestone and Sprint Delivery Plan

Date	23 October 2022
Team ID	PNT2022TMID49973
Project Name	Project – Smart Farmer- IOT enabled smart farming application
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	IBM Cloud Account	USN-1	IBM Cloud Account Creation	5	High	Jenitaa Sharon JG
	MIT App Inventor Node - RED	USN-2	MIT App Account Creation Node-RED Account Creation	5	High	Jency S
	Python IDE	USN-3	Software installation	5	High	Jeya P
	Fast to Sms	USN-4	Fast2sms account creation	5	High	Josphin Florence Y
Sprint-2	IBM Watson Platform	USN-5	Create IBM Watson platform and a device	10	High	Jenitaa Sharon JG Jeya P
	Node-RED Service	USN-6	Create Node-RED Service	10	High	Jency S Josphin Florence Y
Sprint-3	Develop The Python Code	USN-7	Build a Web Application using Node – RED , Configure the Node-RED and create API for communicating with a mobile	20	High	Jenitaa Sharon JG Jency S Jeya P Josphin Florence Y

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			application			
Sprint-4	Develop A Mobile Application	USN-8	A mobile application using MIT App inventor which displays all the sensor parameters	20	High	Jenitaa Sharon JG Jency S Jeya P Josphin Florence Y

Project Tracker , Velovity& 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 Nov 2022
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	19 Nov 2022

Velocity :

We have a 24-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 = Sprint Duration/ Velocity=24/20=1.2

Burndown Chart:

A burn down is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any

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project containing measurable progress over time.