Project Planning Phase

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

Date	06 November 2022
Team ID	PNT2022TMID38119
Project Name	PERSONAL ASSISTANT FOR SENIOR WHO ARE SELF RELIANT
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Simulation	USN-1	To Create the Simulation by connecting the sensors by using the Arduino and connect with the code.	2	High	1.BALAJI .m 2.karthikeyan.v 3.gokul.sc
Sprint-2	Software	USN-2	To Create the device on IBM cloud platform and the node red platform to set the iot device workflow	2	High	1.sc gokul 2.haribalaji 3.balaji.m
Sprint-3	Mobile App/Web Application	USN-3	To Develop the Application for Smartfarmer Iot enabled smart farming Application project using MIT App Inventor.	2	Medium	1.Balaji.m 2.Haribalaji.s 3.karthikeyan
Sprint-4	Dashboard	USN-4	To Design all the modules and create all the features of the App and test the application.	2	High	1.gokul.sc 2.balaji.m 3 haribalaji.s
Sprint-4	Login/User Interface	USN-4	Using the login make connections with the end users and make them interact with the software	2	High	1.karthikeyan 2.haribalaji.s 3.gokul.sc
Sprint-1	Simulation Processing	USN-1	Simulation by connecting the sensors by using the Arduino and connect with the code and processing the Arduino.	1	Low	1.balaji.m 2.haribalaji.s 3.gokul.sc
Sprint-2	Software Backend Processing	USN-2	Processing Software by using Python language.	1	Medium	1.balaji.m 2.karthikaeyan.v 3.gokul.s.c
Sprint-3	MIT app Workflow	USN-3	Checking the workflow of an MIT app Inventor.	1	Low	1.sc gokul 2.haribalaji 3.balaji.m

Project Tracker, Velocity & 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	30 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	13 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	20 Nov 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)

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