Project Planning Phase

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

Sprint Delivery Plan

Date	06 November 2022
Team ID	PNT2022TMID39429
Project Name	PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF RELIANT
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	Create and Configure	USN-1	Create IBM Watson IOT platform device ,configure IBM - IOT platform and create simulation using sensors in Tinkercad.	4	High	MINUTHAA.S MADHAVIKA.R KEERTHANA.K VARALAKSHMI.S
Sprint-2	Develop a Web Application	USN-2	Develop a web- application using MIT app inventor .	4	High	MINUTHAA.S MADHAVIKA.R KEERTHANA.K VARALAKSHMI.S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Create and store the data	USN-3	Create Node Red service , Text to Speech service and a database in cloudant DB to store the medicine details.	4	High	MINUTHAA.S MADHAVIKA.R KEERTHANA.K VARALAKSHMI.S
Sprint-4	Create Form and Write a function as code	USN-4	Using Node Red service, create the form and write a function to compare the time of the medicine.	4	High	MINUTHAA.S MADHAVIKA.R KEERTHANA.K VARALAKSHMI.S
Sprint-5	Create web UI and Develop a Python script	USN-5	Using the form in node red , create web UI to make user interact and also develop a python script to connect the IBM IoT platform .	4	High	MINUTHAA.S MADHAVIKA.R KEERTHANA.K VARALAKSHMI.S

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	22 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint- 2	20	6 Days	30 Oct 2022	06 Nov 2022	20	06 Nov 2022
Sprint- 3	20	6 Days	07 Nov 2022	14 Nov 2022	20	14 Nov 2022
Sprint- 4 and 5	20	6 Days	15 Nov 2022	22 Nov 2022	20	22 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 = SPRINT DURATION / VELOCITY

= 20/6

= 3.33

Burndown Chart:

A burn down chart 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 project containing measurable progress over time.