Project Planning Phase

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

Date	07 November 2022
Team ID	PNT2022TMID26962
Project name	Natural Disaster Intensity analysis and classification using artificial intelligence
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	Registration	USN – 1	As a user, registering into the product using a valid email address	5	High	Magdalene.A.S Priyanka.G Sairam.S Nithish Kumar
Sprint-2	Registration	USN – 2	As a user, registering into the product using avalid username and password	3	Medium	Magdalene.A.S. Priyanka.G Sairam.S Nithish Kumar
Sprint-1	Authentication	USN – 3	As a user, I adept to logging into the system with credentials	4	High	Magdalene.A.S Priyanka.G Sairam.S Nithish Kumar
Sprint-2	Authentication	USN - 4	As a user, I adept to logging into the system with OTP	2	High	Magdalene.A.S Priyanka.G Sairam.S Nithish Kumar
Sprint-1	Designation ofRegion	USN – 5	selecting the region of interest to be monitored and analyzed	3	High	Magdalene.A.S Priyanka.G Sairam.S Nithish Kumar
Sprint-2	Analysis of Required Phenomenon	USN – 6	Regulating certain factors influencing the actions of the phenomenon	3	High	Magdalene.A.S Priyanka.G Sairam.S Nithish Kumar

Sprint	Functional Requirement (Epic)	User story Number	User story / Task	Story points	Priority	Team members
Sprint-2	Accumulation of required Data	USN – 7	Gathering data and detailed report on past event analysis	3	Low	MagdaleneAS Priyanka.G Sairam.S Nithish Kumar
Sprint-4	Organizing Unstructured data	USN – 8	Choosing a required algorithm for specific analysis	2	High	MagdaleneAS Priyanka.G Sairam.S Nithish Kumar
Sprint-2	Algorithm selection	USN – 9	Choosing a required algorithm for specific analysis	6	High	MagdaleneAS Priyanka.G Sairam.S Nithish Kumar
Sprint-3	Prediction and analysis of data	USN – 10	Predicting and visualizing the data effectively	36	High	MagdaleneAS Priyanka.G Sairam.S Nithish Kumar
Sprint-4	Report generation	USN – 11	Generating a clear and detailed report on product data analysis	3	High	MagdaleneAS Priyanka.G Sairam.S Nithish Kumar

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

Sprint	Total Story Points	Duration	Sprint StartDate	Sprint EndDate (Planned)	Story Points Completed (as on Planned End Date)	Sprint ReleaseDate (Actual)
Sprint-1	12	6 days	24 Oct 2022	29 Oct 2022	12	30 Oct 2022
Sprint-2	14	6 days	31 Oct 2022	5 Nov 2022	14	6 Nov 2022
Sprint-3	6	6 days	07 Nov 2022	12 Nov 2022	6	8 Nov 2022
Sprint-4	6	6 days	14 Nov 2022	19 Nov 2022	6	20 Nov 2022

Velocity:

Sprint - 1

Average Velocity = Sprint duration / Velocity

= 12 / 6

Average Velocity = 2

Sprint - 2

Average Velocity = Sprint duration / Velocity

= 14 / 6

Average Velocity = 2.3

Sprint - 3

Average Velocity = Sprint duration / Velocity

= 6 / 6

Average Velocity = 1

Sprint - 4

Average Velocity = Sprint duration / Velocity

= 6 / 6

Average Velocity = 1

Burndown Chart:

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

An approximate work plan in burndown