Project Planning Phase

Project Planning (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	05 November 2022
Team ID	PNT2022TMID3949
Project Name	Project – Natural Disasters Intensity Analysis and Classification using Artificial Intelligence
Maximum Marks	8 Marks

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

Here is the Product Backlog for the Project “Natural Disasters Intensity Analysis and Classification using Artificial Intelligence”

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-2	As a user, I will register in the website in order to identify the natural disaster based on the image given.	1	High	P.Abirami A.Anbarasi M.Elakkiya V.Subalakshmi
Sprint-1	Confirmation	USN-3	As a user, a confirmation is sent that I am a registered user in the website	2	Low	P.Abirami A.Anbarasi M.Elakkiya V.Subalakshmi
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	1	High	P.Abirami A.Anbarasi M.Elakkiya V.Subalakshmi
Sprint-2	Home Page	USN-1	As a user, I can visit the home page whenever I enter the URL in the browser.	2	High	P.Abirami A.Anbarasi M.Elakkiya V.Subalakshmi
Sprint-2	Upload the image	USN-5	As a user, I will navigate to the page where I need to upload the images for natural disaster classification. The upload is either by using webcam or images from gallery.	2	Medium	P.Abirami A.Anbarasi M.Elakkiya V.Subalakshmi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Classification of Disaster	USN-6	As a user, Based on the image given as input the natural disaster is classified and the result is shown.	4	High	P.Abirami A.Anbarasi M.Elakkiya V.Subalakshmi
Sprint-4	Logout	USN-8	As a user, whenever the logout button is clicked it goes to the login page is displayed.	2	Low	P.Abirami A.Anbarasi M.Elakkiya V.Subalakshmi

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)

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

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.

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	11	31 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	4	7 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	15	10 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	6	19 Nov 2022