Project Planning Phase

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

Date	31 October 2022
Team ID	PNT2022TMID39414
Project Name	Natural Disaster Intensity Analysis and Classification Using Artificial Intelligence
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	LOGIN	USN-1	As a farmer, I can login by giving mobile number, gmail or google account and their location.	4	High	S.Ragavi D.Janani B.Nitheesh K.Dinesh Kumar
Sprint-2	ALERT	USN-2	As a farmer, I can receive the alert message when the cyclone hits.	4	High	S.Ragavi D.Janani B.Nitheesh K.Dinesh Kumar
Sprint-3	MONITORING	USN-3	As a user, I can register for the application through FacebookAs a farmer, I can view the continuous monitoring of cyclone and climatic changes.	4	High	S.Ragavi D.Janani B.Nitheesh K.Dinesh Kumar
Sprint-4	REPORTS	USN-4	As a farmer, I can keep the records of the previous cyclone and refer news from meteorologist for live updation	4	High	S.Ragavi D.Janani B.Nitheesh K.Dinesh Kumar
Sprint-5	END USERS (farmers)	USN-5	As a farmer, I can receive the information from the database.	4	High	S.Ragavi D.Janani B.Nitheesh K.Dinesh Kumar

Sprint Delivery plan

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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-1	20	6 Days	24 Oct 2022	29 Oct 2022	20
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20
Sprint-4 and sprint 5	20	6 Days	14 Nov 2022	19 Nov 2022	20

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.