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

Date	26 October 2022
Team ID	PNT2022TMID14349
Project Name	Industry- Specific Intelligent Fire Management System
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	4	High	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-1		USN-3	As a user, I can register for the application through Facebook	2	Low	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-1		USN-4	As a user, I can register for the application through Gmail	3	Medium	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K

Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password	4	High	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-2		USN-6	As a user, I can log into the application through Facebook, if I previously registered with it	2	Medium	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-3		USN-7	As a user, I can reset my password by clicking forgot credentials, if I forgot it.	3	High	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-2		USN-8	As a user, I can log into the application through Gmail, if I previously registered with it	2	Low	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-2	Support	USN-9	As a user, I need support system in the application in times of error or during problem	2	Medium	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-3		USN-10	As a user, if I gave forgot credentials then it should route the user to that page	3	Medium	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-3	Dashboard	USN-11	As a user, I can be able to see the reports of sensors in the dashboard	2	High	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-2		USN-12	As a user, the interface should be understandable	2	High	Pavatharani V, Manimaran R,

						Mohammed Sameer A, Prabhagar V K
Sprint-3	Notification	USN-13	As a user, I should be notified if there is any abnormal condition (i.e)Fire detected	4	High	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-4		USN-14	As a user, I would like to share or download the reports of the sensor	2	Low	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-4		USN-15	As a user, I can be able to view the activities and records of each sensor	3	High	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-4	My account	USN-16	As a user, I can view my personal information	2	Medium	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-4		USN-17	As a user, I can edit my email id. Then I'll receive conformation to my new mail id	3	High	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K
Sprint-4		USN-18	As a user, I can logout of the application from my account	2	Low	Pavatharani V, Manimaran R, Mohammed Sameer A, Prabhagar V K

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

Sprint	Total Story Points (per Sprint)	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points to be Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	12	6 Days	24 Oct 2022	29 Oct 2022	12	29 Oct 2022
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	12	6 Days	07 Nov 2022	12 Nov 2022	12	12 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022	12	19 Nov 2022

Velocity:

Total Story Points = 48

Sprint velocity: Add up the total of story points completed from each sprint, then divide by the number of sprints.
Sprint velocity = 48/4 =12

Average velocity: Sprint velocity/ Given time duration
Average velocity = 12/6 = 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.

Release Burndown Chart