Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID46346
Project Name	Project – Industry Specific Intelligent Fire Management System
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story point	Priority	Team Members
Sprint-1	Floor plan update	USN-1	Design the web application with installed sensor, water sprinkler as per floor plan.	3	High	Elayakavi P Hariharan D Manikandan R
Sprint-1	Registration	USN-2	As a user, I can register the application by entering email, password and confirm it	1	High	Abdurrahman M Manikandan R Prakash T
Sprint-1	Login	USN-3	As a user login to web application with registered mail and password.	1	High	Abdurrahman M Asha G Hemala B

Sprint-1	Dashboard	USN-4	Go to live dashboard to view node status.	2	High	Hemala B Prakash T Elayakavi P
Sprint-2	Storage	USN-5	As an admin, I can add the emergency contact data in cloud database	3	High	Elayakavi P Manikandan R Hariharan D
Sprint-2		USN-6	Can able to delete/modify the data	1	Medium	Prakash T Asha G Hemala B
Sprint-4	Acknowledgement	USN-7	Approve/Denied by sending acknowledgement to respective user	2	Low	Hariharan D Abdurrahman M Asha G
Sprint-2	Action	USN-8	Display the temperature Reading	2	High	Elayakavi p Hemala B Asha G
Sprint-2		USN-9	Display the humidity reading	2	High	Abdurrahman M Hariharan D Manikandan R
Sprint-2		USN-10	As a user, I can able to detect the fire.	1	Medium	Asha G Prakash T Elayakavi P
Sprint-3		USN-11	As a user, I can able to control the fire using water sprinkler.	3	Medium	Hemala B Manikandan R Prakash T

Sprint-3	Sharing alert	USN-12	Sending message alert to emergency contact.	3	High	Manikandan R Abdurrahman M Hemala B
Sprint-3		USN-13	Track the status of message	2	Low	Prakash T Asha G Hariharan D
Sprint-4	Floor path	USN-14	As a user, I can display the shortest path to exit.	4	High	Elayakavi P Abdurrahman M Hariharan D

Project Tracker, Velocity & Burndown Chart:

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	04 Nov 2022	07 Nov 2022	20	07 Nov 2022
Sprint-2	20	6 Days	08 Nov 2022	11 Nov 2022	20	11 Nov 2022
Sprint-3	20	6 Days	12 Nov 2022	15 Nov 2022	20	15 Nov 2022
Sprint-4	20	6 Days	16 Nov 2022	19 Nov 2022	20	19 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)

$$\textbf{AV} = \frac{Velocity}{Sprint\ Duration} = \frac{20}{4} = \textbf{5}$$

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.

Sprints

Task	Status	Assignee
ISIFMS-15 Floor plan update		
ISIFMS-1 Design the...	IN PROGRESS	ELAYAKAVI...
ISIFMS-16 Registration		
ISIFMS-2 As a user, I can r...	TO DO	ABDURAH...
ISIFMS-17 Login		
ISIFMS-3 As a user login to...	TO DO	HEMA RANI
ISIFMS-18 Dashboard		
ISIFMS-4 Go to live dashbo...	TO DO	PRAKASH...
ISIFMS-19 Storage		
ISIFMS-5 As an admin, I c...	TO DO	MANIKAND...
ISIFMS-6 Can able to delet...	TO DO	ASHAGOBI...
ISIFMS-20 Acknowledgement		
ISIFMS-7 Approve/Denied...	TO DO	ASHAGOBI...
ISIFMS-21 Action		
ISIFMS-8 Display the temp...	TO DO	ELAYAKAVI...
ISIFMS-9 Display the humidit...	TO DO	HARIHA...
ISIFMS-10 As a user, I can...	TO DO	PRAKASH...
ISIFMS-11 As a user, I can...	TO DO	MANIKAND...
ISIFMS-22 Sharing alert		
ISIFMS-12 Sending messag...	TO DO	ABDURAH...
ISIFMS-13 Track the status of...	TO DO	HARIHA...
ISIFMS-23 Floor path		
ISIFMS-14 As a user, I can...	TO DO	ELAYAKAVI...

Timeline: NOV 3–23

Sprints: ISIFMS Sprint 1, ISIFMS Sprint 2, ISIFMS Sprint 3, ISIFMS Sprint 4