

Project Planning Phase

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

Date	01 NOVEMBER 2022
Team ID	PNT2022TMID21245
Project Name	INDUSTRY-SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM
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	Cloud Software and Node-Red	USN-1	Create IBM cloud services which are being used in the project.	10	High	Lakshmi Sree, Harsini, Madhumitha Bhagyalakshmi,
Sprint-1	Cloud Software and Node-Red	USN-2.	Create IBM IOT Watson Platform	5	Medium	Lakshmi Sree, Harsini, Madhumitha Bhagyalakshmi,
Sprint-1	Cloud Software and Node-Red	USN-3	Installation of Node-Red	5	Medium	Lakshmi Sree, Harsini, Madhumitha Bhagyalakshmi,
Sprint-2	Device creation, Simulation, Configuration and Flow Creation	USN-4	Device creation in IBM IOT Watson	5	High	Lakshmi Sree, Harsini, Madhumitha Bhagyalakshmi,
Sprint-2	Device creation, Simulation, Configuration and Flow Creation	USN-5	Creating simulation for the device type and generating data	5	High	Lakshmi Sree, Harsini, Madhumitha Bhagyalakshmi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Device creation, Simulation, Configuration and Flow Creation	USN-6	Card creation in IBM Watson Platform	2.5	Medium	Lakshmi Sree, Harsini, Madhumitha Bhagyalakshmi,
Sprint-2	Device creation, Simulation, Configuration and Flow Creation	USN-7	Configure the connection security and create API keys that are used in the Node-Red service for accessing the IOT Watson platform	2.5	Medium	Lakshmi Sree, Harsini, Madhumitha Bhagyalakshmi,
Sprint-2	Device creation, Simulation, Configuration and Flow Creation	USN-8	Creating flows in Node-Red that collects data from IBM	5	High	Lakshmi Sree, Harsini, Madhumitha Bhagyalakshmi,
Sprint-3	Application Creation	USN-9	Developing an application using Node-Red service	7	High	Lakshmi Sree, Harsini, Madhumitha, Bhagyalakshmi
Sprint-3	Application Creation	USN-10	Developing mobile application for industry-specific intelligent fire managements system	7	High	Lakshmi Sree, Harsini, Madhumitha, Bhagyalakshmi
Sprint-3	Application Creation	USN-11	Developing python script for publishing values to IOT Watson Platform	6	High	Lakshmi Sree, Harsini, Madhumitha, Bhagyalakshmi
Sprint-4	Final Connection	USN-12	Connecting Node-Red UI, IBM IOT Watson Platform, Mobile application-'Industry Specific intelligent fire management system' and the Python script	20	High	Lakshmi Sree, Harsini, Madhumitha, Bhagyalakshmi

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	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 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)

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