

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

Date	18 October 2022
Team ID	PNT2022TMID13407
Project Name	Real Time River Water Quality Monitoring and Control 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	IBM Watson IOT Platform	USN-1	Get into IBM cloud and login IBM Watson, there we create Device type, device Id along with organization ID, API tokens for performing cloud process.	1	High	Gobika S
Sprint-1	Python Compiler and Wokwi	USN-2	Using either python code or Wokwi the cloud get connected and output are shown in the IBM platform	1	Medium	Brundhalakshmi A
Sprint-2	Checking parameter	USN-3	The node red blocks are connected to provide an HTTP link there it provide dashboards for getting graphs for easy understanding	1	High	Kavipriya R
Sprint-2	Node Red Coonection	USN-4	The parameters like pH, temperature, humidity has to be checked by using Python, Wokwi and Node red	1	Medium	Kaviya S
Sprint-3	Web app	USN-5	The web app is created first by using node red http request and outputs are checked there	1	High	Brundhalakshmi A
Sprint-4	Mobile App	USN-6	The mobile app is developed by using MIT app the user get into the application and find the status at real time.	1	Medium	Kavipriya R
Sprint-4	Testing	USN-7	Every sprint provide output and they are tested and merged to get an final output	1	High	Kaviya S

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

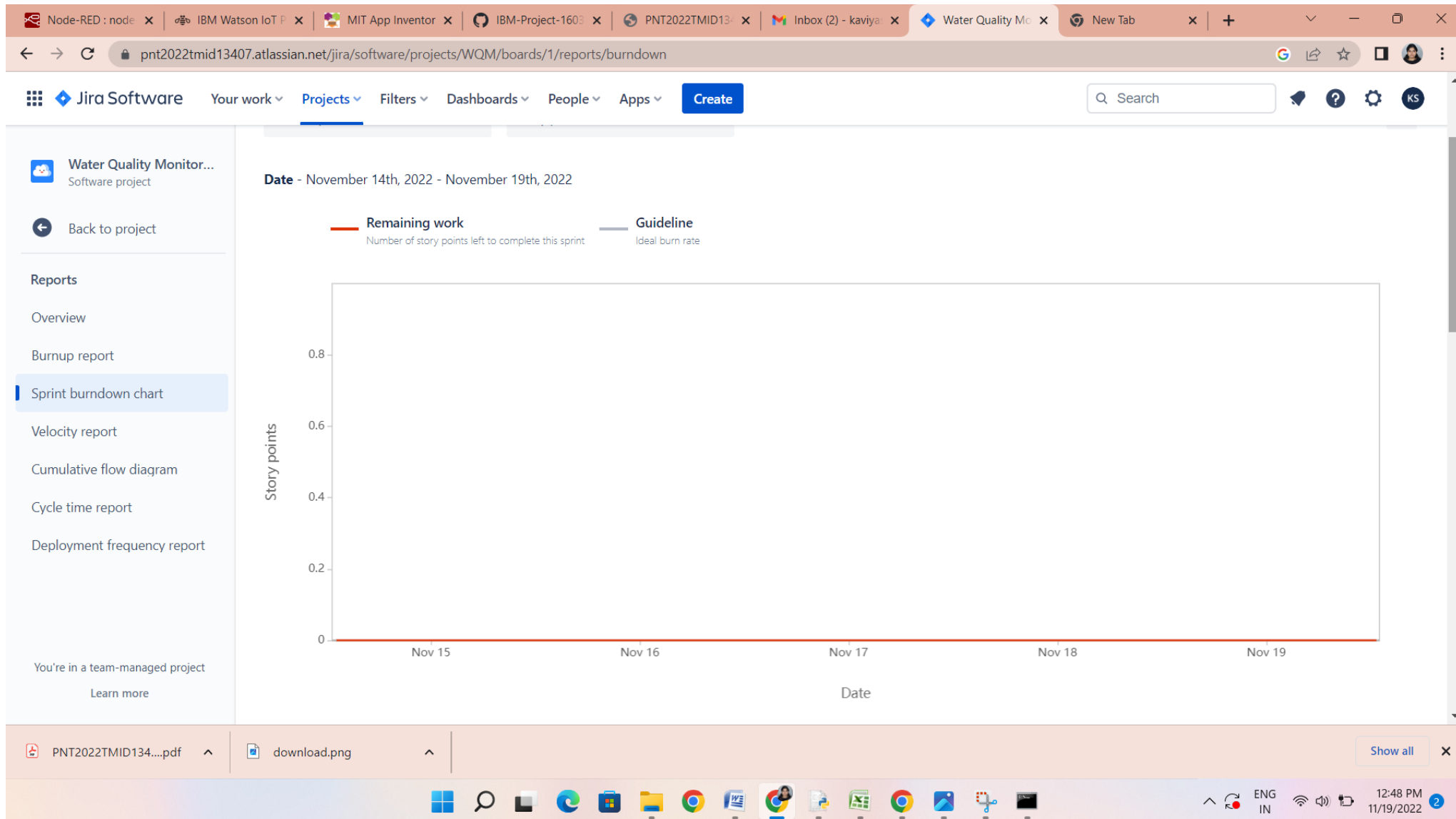
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	2	6 Days	24 Oct 2022	29 Oct 2022	2	29 Oct 2022
Sprint-2	2	6 Days	31 Oct 2022	05 Nov 2022	2	05 Nov 2022
Sprint-3	1	6 Days	07 Nov 2022	12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

Velocity:

Average Velocity (AV)=7/2=3.5

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.



Water Quality Monitoring
Software project

PLANNING

Roadmap

Backlog

Board

DEVELOPMENT

Code

Project pages

Add shortcut

Project settings

You're in a team-managed project
Learn more

Projects / Water Quality Monitoring

Roadmap

Give feedback Share Export View settings

KS K BA GS

Status category Epic

		NOV	DEC	JAN '23
Sprints	WQM...	WQM...	WQM...	WQM...
> WQM-11 IBM Watson IOT Platform				
> WQM-12 Python Compiler and Wokwi				
> WQM-13 Node Red connection				
> WQM-14 Checking parameter				
> WQM-15 Web app				
> WQM-16 Mobile App				
> WQM-17 Testing				
+ Create Epic				

Today Weeks Months Quarters