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

Date	08 November 2022
Team ID	PNT2022TMID42239
Project Name	Signs with smart connectivity for better road safety
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 Member
Sprint-1	Initialise the resources	USN-1	Create accounts in Open weather API	5	low	Abinaya M
			Register in IBM cloud open watson platform and node red services.	2	high	Murugadharshini P

Sprint-1	Node Red Software is used	USN-2	Develope a Python script for getting data from open weather map API, create web using Node Red for displaying open weather map data.	5	Medium	Dhasarathi K
Sprint-1	Sending the data to IBM cloud	USN-3	Sending the data to the IBM cloud by python script for the better accessing from anywhere.	8	Low	Monish R
Sprint-2	Interconnection of GPS module	USN-4	Schools, Hospitals and more public occupied area is continuously monitored through GPS technology data collected through python script and displayed in the WEB UI	20	High	Komala T
Sprint-3	Random data	USN-5	Traffic and Fatal situation information is collected as a data and encoded.	20	High	Monish R

Sprint-4	Deployment	USN-6	Gathered data from sprint 2 & 3 is deployed in Node Red service to link online API's.	20	High	Abinaya M

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

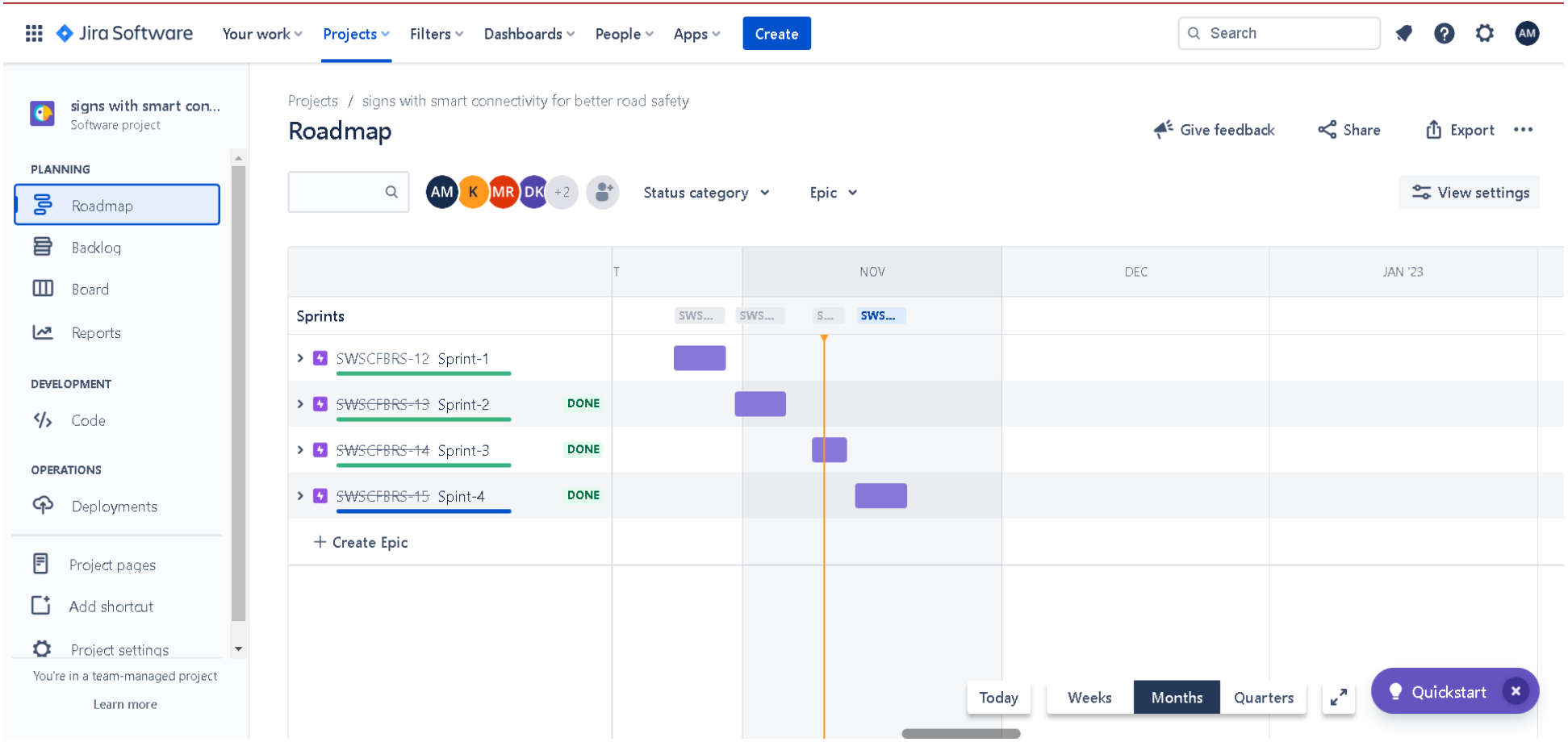
Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 10 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

Burndown chart:

Road Map:


Jira Software
Your work
Projects
Filters
Dashboards
People
Apps
Create
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Software project
PLANNING
Roadmap
Backlog
Board
Reports
DEVELOPMENT
Code
OPERATIONS
Deployments
Project pages
Add shortcut
Project settings
You're in a team-managed project
Learn more
Projects / signs with smart connectivity for better road safety
Roadmap
Give feedback
Share
Export
Status category
Epic
View settings
NOV
DEC
JAN '23
Sprints
SWSCFBRS-12 Sprint-1
SWSCFBRS-13 Sprint-2
DONE
SWSCFBRS-14 Sprint-3
DONE
SWSCFBRS-15 Sprint-4
DONE
Create Epic
Today
Weeks
Months
Quarters
Quickstart