

## Project Planning Phase

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

#### 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	Registration	USN-1	user can register for the application by entering my email and password	1	high	Kishore. R, Ganesh Karthik. R, Farhan Ahmed. R, Prasanna Kumar. V
Sprint-1	Registration	USN-2	User will receive email if the registration is successful. That the registration has conformed	1	high	Kishore. R, Ganesh Karthik. R, Farhan Ahmed. R, Prasanna Kumar. V
Sprint-2	Registration	USN-3	As a user, I can register by any browser	2	low	Kishore. R, Ganesh Karthik. R, Farhan Ahmed. R, Prasanna Kumar. V
Sprint-1	Data extract	USN-4	As a user, I can extract data	1	Medium	Kishore. R, Ganesh Karthik. R, Farhan Ahmed. R, Prasanna Kumar. V
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	2	high	Kishore. R, Ganesh Karthik. R, Farhan Ahmed. R, Prasanna Kumar. V
Sprint-2	Dashboard	USN-6	I can access the dashboard of mine.	1	Medium	Kishore. R, Ganesh Karthik. R, Farhan Ahmed. R, Prasanna Kumar. V
Sprint-1	Activity	USN-7	I can register for the application through any web browser	1	low	Kishore. R, Ganesh Karthik. R, Farhan Ahmed. R, Prasanna Kumar. V

Sprint-1	Access resources	USN-8	I can use my credentials For accessing my resources.	1	high	Kishore. R, Ganesh Karthik. R, Farhan Ahmed. R, Prasanna Kumar. V
Sprint-2	Set events	USN-9	As, a user I can schedule events and set events.	1	high	Kishore. R, Ganesh Karthik. R, Farhan Ahmed. R, Prasanna Kumar. V
Sprint-3	Tools	USN-10	I can perform analysis by tools(cognos and with ML)	1	high	Kishore. R, Ganesh Karthik. R, Farhan Ahmed. R, Prasanna Kumar. V

### 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	26 OCT 2022	31 OCT 2022	20	31 OCT 2022
Sprint-1	20	6 Days	2 NOV 2022	7 NOV 2022	20	7 NOV 2022
Sprint-1	20	6 Days	9 NOV 2022	14 NOV 2022	20	14 NOV 2022
Sprint-1	20	6 Days	16 NOV 2022	21 NOV 2022	20	21 NOV 2022

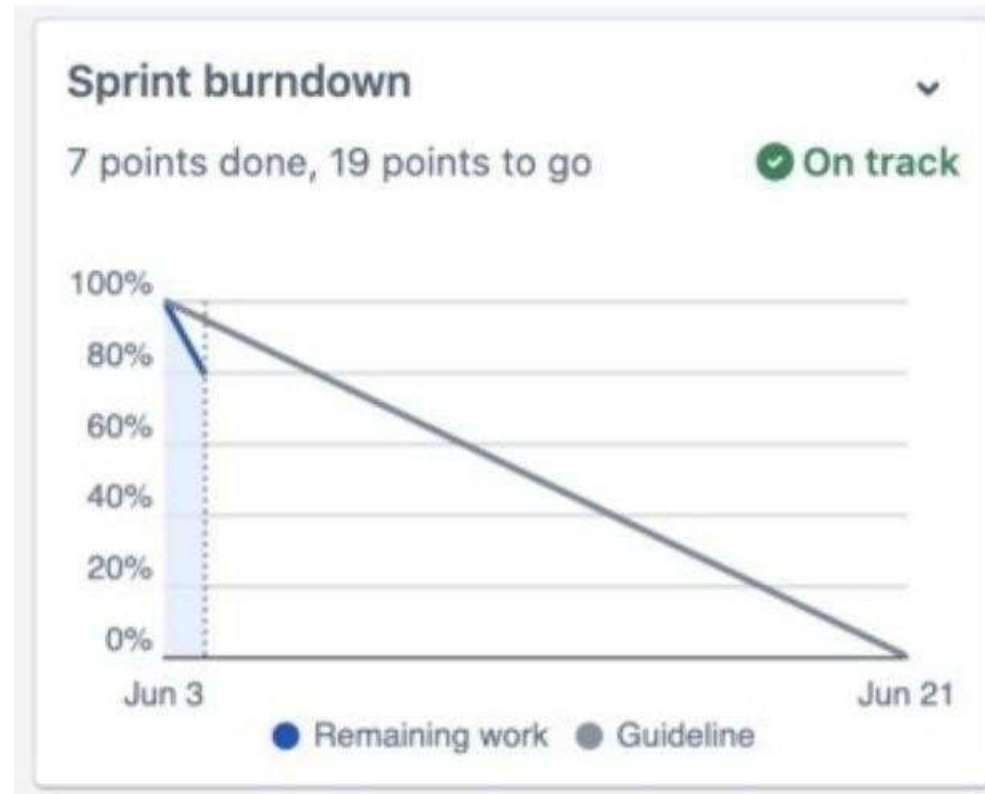
#### Velocity:

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)

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

#### Burndown Chart:

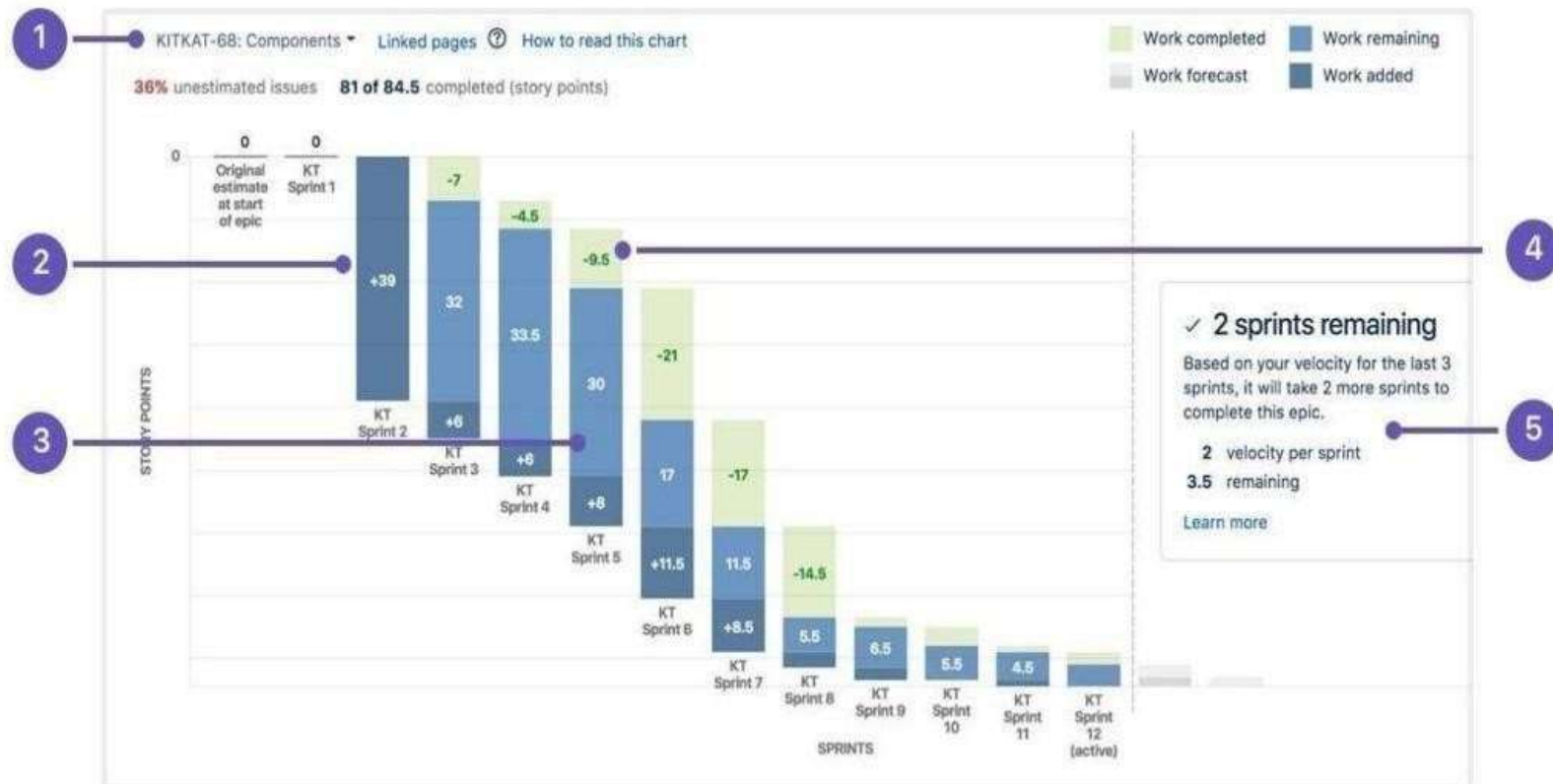
A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



**To view the epic burndown chart:**

1. Navigate to your scrum project.
2. Select the Backlog.
3. Click Reports, then select Epic Burndown.
4. Select an epic from the dropdown next to the Epic Burndown header.

You'll be able to choose from epics that are in projects configured for your board, via the board's filter.



1. **Epic menu:** Select which epic to view data for.
2. **Work added:** The dark blue segment shows the amount of work added to the epic in each sprint. In this example, work is measured story points.
3. **Work remaining:** The light blue segment shows the amount of work remaining in the epic.
4. **Work completed:** The green segment represents how much work is completed for the epic in each sprint.
5. **Projected completion:** The report projects how many sprints it will take to complete the epic, based on the team's velocity