

Project Planning Phase

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

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| Date | 03 November 2022 |
| Team ID | PNT2022TMID54247 |
| Project Name | ANALYTICS FOR HOSPITALS' HEALTHCARE DATA |
| Team Members | Jagadeesh R(TL), Karthik K(TM-1), Hariharan C(TM-2), Deepak Raj S(TM-3). |
| Maximum Marks | 10 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 | API and Database connectivity | USN-1 | As an admin I use Kaggle API to gather the dataset | 3 | Medium | Jagadeesh R |
| | | USN-2 | As an admin I can create database connectivity using IBM Cloud and IBM Cognos Analytics. | 5 | High | Jagadeesh R, Karthik k |
| | | USN-3 | AS an analyzer, i can pre-process the data and Explore it . | 5 | High | Hariharan C, Deepak Raj S |
| Sprint-2 | Dashboard | USN-4 | As an analyzer, I can add the created visualizations to the dashboard (Creating dashboard) | 8 | High | Hariharan C, Deepak Raj S |
| Sprint-3 | Report, Story | USN-5 | As an analyser, I can create reports for the given dataset (Creating report) | 8 | High | Jagadeesh R, Karthik k |

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|----------|---------------|-------|--|----|------|--------------------------|
| | | USN-6 | As an analyser, I can create story for the given dataset | 8 | High | Jagadeesh R, Hariharan C |
| Sprint-4 | Documentation | USN-7 | We create our entire project documentation. | 10 | High | Jagadeesh R, Karthik k |

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 | 13 | 12 Days | 24 Oct 2022 | 04 Nov 2022 | 13 | 04 Nov 2022 |
| Sprint-2 | 8 | 2 Days | 05 Nov 2022 | 06 Nov 2022 | 8 | 06 Nov 2022 |
| Sprint-3 | 16 | 2 Days | 07 Nov 2022 | 08 Nov 2022 | 16 | 08 Nov 2022 |
| Sprint-4 | 10 | 4 Days | 09 Nov 2022 | 12 Nov 2022 | 10 | 12 Nov 2022 |

Velocity:

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

Average velocity for sprint - 1:

$$AV=13/12 = 1.08$$

Average velocity for sprint - 2:

$$AV=8/2 = 4$$

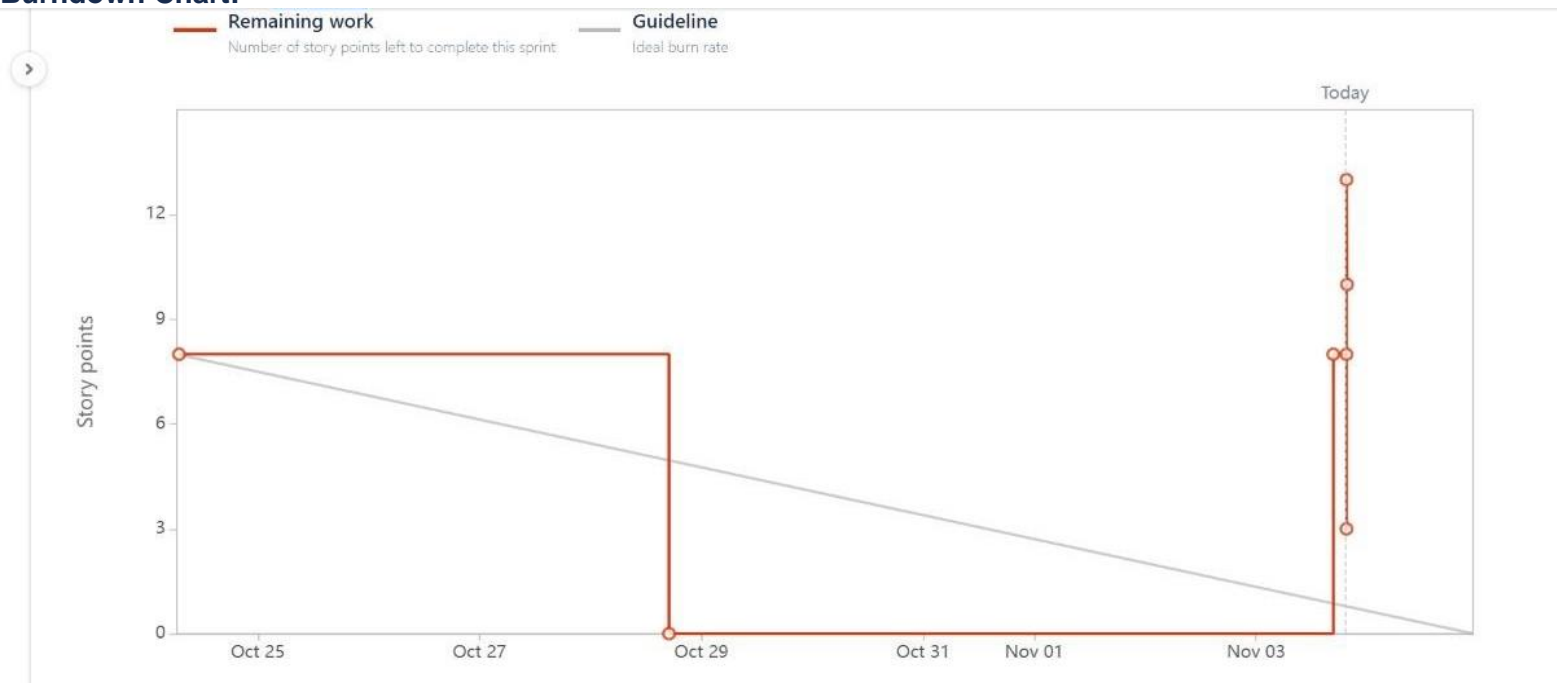
Average velocity for sprint - 3:

$$AV=16/2 = 8$$

Average velocity for sprint - 4:

$$AV=10/4 = 2.5$$

Burndown Chart:



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