

Project Planning Phase

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

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|---------------|---|
| Date | 22 October 2022 |
| Team ID | PNT2022TMID36407 |
| Project Name | Retail Store Stock Inventory Analytics. |
| 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 | Login | USN-1 | As a user I should login by using email and password . | 4 | High | Kishore V |
| Sprint-1 | Working with the Dataset | USN-2 | As a user I should Understanding the dataset . | 2 | High | Kishore V Dilip R |
| Sprint-1 | | USN-3 | As a user I should verifier the data if have missing the value want to fill. | 5 | Medium | Kishore V Dilip R |
| Sprint-1 | | USN-4 | As a user I should remover the extra data. | 3 | Low | Kishore V Dilip R |
| Sprint-1 | | USN-5 | Upload the dataset in the IBM Cognos and prepare the dataset. | 6 | Medium | Kishore V Dilip R Harish Ragavendhar MJ Logesh B |
| Sprint-2 | Exploratory data | USN-6 | There have various data types. Then we analyzing the basic metrics. | 6 | High | Kishore V Dilip R |
| Sprint-2 | | USN-7 | Using Visualization tools like line chart..etc..then . | 6 | High | Harish Ragavendhar MJ Logesh B |
| Sprint-2 | | USN-8 | Using IQR, remove the outliers | 4 | Medium | Dilip R Harish Ragavendhar MJ Logesh B |
| Sprint-2 | | USN-9 | correlation analysis. | 4 | Medium | Kishore V Harish Ragavendhar MJ Logesh B |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---------------|--------------------------------------|--------------------------|--|---------------------|-----------------|---|
| Sprint-3 | Dashboard | USN-10 | then to calculate year wise price using line graph.To calculate year wise stock using line graph. | 4 | Medium | Kishore V Harish Ragavendhar MJ Logesh B |
| Sprint-3 | | USN-11 | To calculate Top 10 sales by year using line graph To calculate Top 10 revenue by year using line graph | 4 | Medium | Dilip R Harish Ragavendhar MJ |
| Sprint-3 | | USN-12 | To calculate Monthly stock using heat map. To calculate Monthly Revenue by pie chart. | 6 | Medium | Kishore V Harish Ragavendhar MJ Dilip R |
| Sprint-3 | | USN-13 | Dashboard Creation | 6 | Medium | Kishore V Harish Ragavendhar MJ Logesh B |
| Sprint-4 | Story | USN-14 | Summary cards of total Revenue, Sales, Stock, Price. | 6 | Medium | Kishore V Dilip R |
| Sprint-4 | | USN-15 | As a user, I can generate the story of the analysis. | 4 | Medium | Kishore V Dilip R Logesh.B Harish Ragavendhar MJ |
| Sprint-4 | Report | USN-16 | As a user, I can generate the report my analysis | 6 | Medium | Kishore V Dilip R Logesh B Harish Ragavendhar MJ |
| Sprint-4 | | USN-17 | As a user, I can Submit the report. | 4 | Medium | Kishore V Dilip R Logesh B Harish Ragavendhar MJ |

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 | 5 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:

Sprint-1,2,3,4:

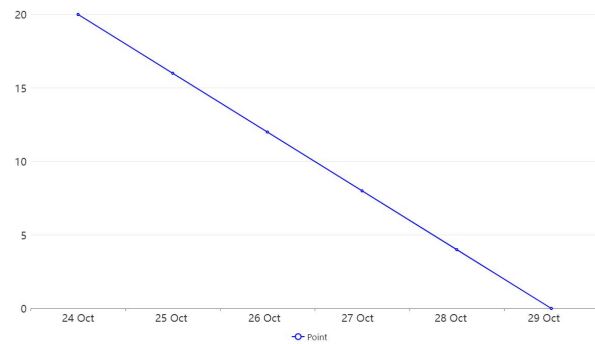
$$AV = \frac{\text{sprint duration}}{\text{Velocity}} = \frac{20}{6} = 2.3$$

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.

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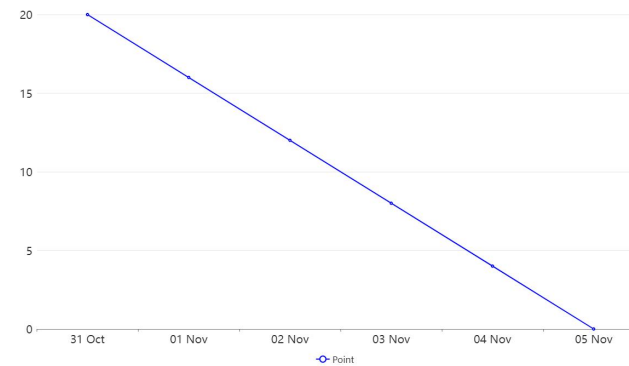
Sprint-1



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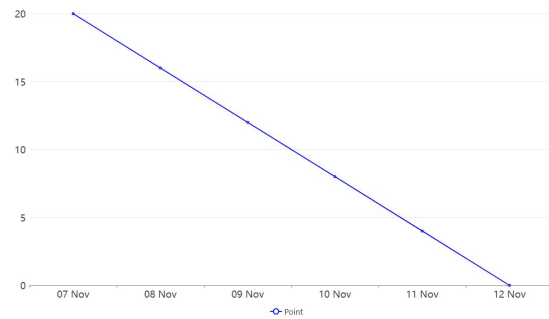
Sprint-2



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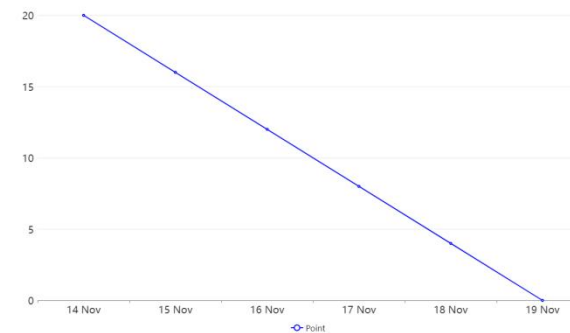
Sprint-3



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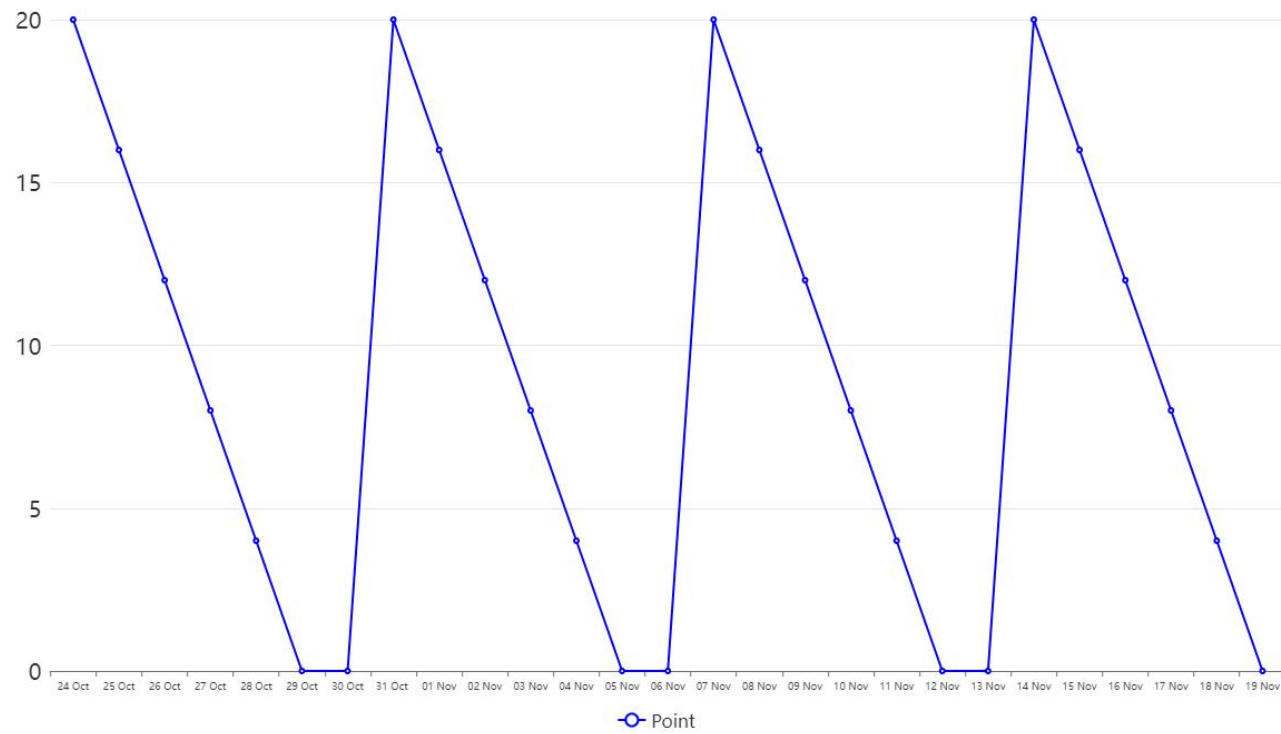
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Sprint-4



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Overall



Project Planning Tool:

