# Project Planning Phase-3

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

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|---|---|
| Date | 27 october 2023 |
| Team ID | Team-591161 |
| Project Name | Data-driven insights on Olympic sports for participation and performance |
| Maximum Marks | 8 Marks |

**Product Backlog**:

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| 1 | Project Ideation | US-001 | Gather requirements | $2_{1/2}$ | Medium | Lakshman |
| 1 | Project Ideation | US-002 | Create Empathy Map | $2_{1/2}$ | High | Divya |
| 1 | Project Ideation | US-003 | Brainstorm project ideas | $2_{1/2}$ | High | Varshitha |
| 1 | Project Ideation | US-004 | Define project scope | $2_{1/2}$ | Medium | Rajesh |
| 2 | Project Design | US-005 | Develop proposed solution | $2_{1/2}$ | Low | Divya |
| 2 | Project Design | US-001 | Define solution architecture | $2_{1/2}$ | Medium | Lakshman |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| 2 | Project Design | US-002 | Create Data Flow Diagrams | $2\frac{1}{2}$ | Low | Rajesh |
| 2 | Project Design | US-003 | Prepare design requirements | $2\frac{1}{2}$ | Low | Varshitha |
| 3 | Project Planning | US-004 | Define technology stack | 2 | Medium | Rajesh |
| 3 | Project Planning | US-005 | Prepare project planning | 2 | Low | Lakshman |
| 3 | Project Planning | US-001 | Set up development environments | 1 | Medium | Varshitha Divya |
| 4 | Project Development - Part 1 | US-002 | Core feature development | 3 | Medium | Varshitha |
| 4 | Project Development - Part 1 | US-003 | Code layout and readability | 3 | Low | Lakshman |
| 4 | Project Development - Part 2 | US-004 | Continue feature development | 3 | Medium | Rajesh |
| 4 | Project Development - Part 2 | US-005 | Focus on reusability | 3 | Low | Varshitha |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| 4 | Project Development - Part 3 | US-001 | Begin performance testing | 3 | High | Divya |
| 5 | Final Submission | US-002 | Finalize development | 5 | Medium | Lakshman |
| 5 | Final Submission | US-003 | Complete performance testing | 5 | Medium | Rajesh |
| 5 | Final Submission | US-004 | Prepare for final submission | 5 | High | Varshitha Divya |

**Sprint Schedule**:

| Sprint | Start Date | End Date | Focus |
|---|---|---|---|
| 1 | 18-10-2023 | 24-10-2023 | Ideation |
| 2 | 23-10-2023 | 29-10-2023 | Design |
| 3 | 27-10-2023 | 02-11-2023 | Planning |
| 4 | 06-11-2023 | 12-11-2023 | Dev Pt. 1 |
| 5 | 09-11-2023 | 15-11-2023 | Dev Pt. 2 |

| 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 | 10 | 6 Days | 18-10-2023 | 24-10-2023 | 10 | 24-10-2023 |
| Sprint-2 | 10 | 6 Days | 23-10-2023 | 29-10-2023 | 10 | 01-11-2023 |
| Sprint-3 | 5 | 7 Days | 27-10-2023 | 02-11-2023 | 5 | 03-11-2023 |
| Sprint-4 | 15 | 7 Days | 06-11-2023 | 12-11-2023 | 15 | 12-11-2023 |
| Sprint-5 | 15 | 7 Days | 09-11-2023 | 15-11-2023 | 15 | 15-11-2023 |

## Average Velocity Calculation:

Average Velocity (AV) per iteration unit (story points per day) can be calculated by dividing the total story points completed by the total duration across all sprints.

Total Story Points Completed: $10 + 10 + 5 + 15 + 15 = 55$
Total Duration: $6 + 6 + 7 + 7 + 7 = 33$ days

Average Velocity (AV) = Total Story Points Completed / Total Duration

Average Velocity (AV) = $55 / 33 \approx 1.67$ story points per day

## Burn-down Chart:

A burn-down chart typically tracks the remaining work (story points) over time. Since you've provided the planned and actual release dates for each sprint, we can create a chart that shows the progress over time. The remaining work will be calculated as the planned story points minus the completed story points for each sprint.

## Title

Burndown Chart

## story points

55

| Start date | End date |
|------------|----------|
| 18 Oct 2023 | 15 Nov 2023 |

☐ Include weekends

Print chart

Looking for a Burnup Chart Generator?

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**Burndown Chart**



## Burndown Chart