

Project Planning Phase

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

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 | Pre-process data | USN-1 | Collect Dataset | 1 | Low | Rajesh T R |
| Sprint-1 | | USN-2 | Import required libraries | 1 | Low | Harish M |
| Sprint-1 | | USN-3 | Read and clean data sets | 2 | Low | Sam Sundar Z |
| Sprint-2 | Model building | USN-1 | Split data into independent and dependent variables | 3 | Medium | Rajesh T R |
| Sprint-2 | | USN-2 | Apply using regression model | 3 | Medium | Vengatesan D |
| Sprint-3 | Application building | USN-1 | Build python flask application and HTML page | 5 | High | Sam Sundar Z & Vengatesan D |
| Sprint-3 | | USN-2 | Execute and test | 5 | High | Harish M |
| Sprint-4 | Training the model | USN-1 | Train machine learning model | 5 | High | Rajesh T R & Harish M |
| Sprint-4 | | USN-2 | Integrate flask | 5 | High | Sam Sundar Z |

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 |

Burndown Chart:

