**Project Planning Phase**

**A Sprint fixed period or duration in which a team works to complete a set of tasks**

**An Epic is a big task or project that is too large to complete in one sprint. It is broken down**

**into smaller tasks (stories) that can be completed over multiple sprints.**

**A Story is a small task . It is part of an Epic.**

**A Story Point is a number that represents how much effort a story takes to complete.**

**(usually in form of Fibonacci series)**

**1- Very Easy task**

**2- Easy task**

**3- Moderate task**

**5- Difficult task**

**Sprint 1: (5 Days)**

**Data Collection**

**Collection of Data 2**

**Loading Data 1**

**Data Preprocessing**

**Handling Missing Values 3**

**Handling Categorical values 2**

**Sprint 2 (5 Days)**

**Model Building**

**Model Building 5**

**Testing Model 3**

**Deployment**

**Working HTML Pages 3**

**Flask deployment 5**

**Total Story Points**

**Sprint 1 = 8**

**Sprint 2 = 16**

**Velocity= Total Story Points Completed​/ Number of Sprints**

**Total story Points= 16+8 =24**

**No of Sprints= 2**

**Velocity = (16+8)/2= 24/2**

**12 (Story Points per Sprint)**

**Your team’s velocity is 12 Story Points per Sprint.**

**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID19444 |
| Project Name | Workforce Administration management |
| Maximum Marks | 5 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 | Registration | USN-1 | As a user, I can register for the application by  entering my email, password, and confirming  my password. | 2 | High | 1M s v manikanta  2.B subrahmanyam  3T venkata sai  4.I leela sai  5.R pavan |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once  I have registered for the application | 1 | High | 1M s v manikanta  2.B subrahmanyam  3T venkata sai  4.I leela sai  5.R pavan |
| Sprint-2 |  | USN-3 | As a user, I can register for the application  through Facebook | 2 | low | 1M s v manikanta  2.B subrahmanyam  3T venkata sai  4.I leela sai  5.R pavan |
| Sprint-1 |  | USN-4 | As a user, I can register for the application  through Gmail | 2 | Medium | 1M s v manikanta  2.B subrahmanyam  3T venkata sai  4.I leela sai  5.R pavan |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by  entering email &amp; password | 1 | High | 1M s v manikanta  2.B subrahmanyam  3T venkata sai  4.I leela sai  5.R pavan |
|  | Dashboard |  |  |  |  |  |

**Project Tracker, Velocity &amp; 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 | 31 Jan 2025 | 5 Feb 2025 | 20 | 5 Feb 2025 |  |
| Sprint-2 | 20 | 6 Days | 10 Feb 2025 | 15 Feb 2025 |  |  |  |
| Sprint-3 | 20 | 6 Days | 17 Feb 2025 | 22 Feb 2025 |  |  |  |
| Sprint-4 | 20 | 6 Days | 25 Feb 2025 | 3 Mar 2025 |  |  |  |

**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)