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

| Date | 27 October 2022 |
|---|---|
| Team ID | PNT2022TMID22348 |
| Project Name | Project - News Tracker Application |
| 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 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | Saranya S |
| Sprint-1 | Registration | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 3 | High | Saranya S |
| Sprint-1 | Login | USN-3 | As a user, I have to enter my Login CredentialsTo watch daily news | 1 | Low | Pavithra S |
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering email & password | 5 | Medium | Pavithra S |
| Sprint-2 | Dashboard | USN-5 | As a user, I can search news | 2 | High | Bharathi S |
| Sprint-2 | Dashboard | USN-6 | I can expand the news to read briefly that what searched at the search box | 5 | High | Bharathi S |
| Sprint-3 | Category | USN-7 | As a user, I can watch and read news based on category | 3 | Medium | Bharathi S |
| Sprint-3 | Source of News | USN-8 | Visualizing the the news source such as BBC,CNN | 2 | Medium | Priyadharshini S |
| Sprint-4 | Database | USN-9 | Connection to the database for maintaining the user details | 3 | High | Priyadharshini S |
| Sprint-4 | Containerizing | USN-10 | Containerizing the application | 5 | High | Priyadharshini S |

**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 | 11 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 11 | 29 Oct 2022 |
| Sprint-2 | 7 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 7 | 05 Nov 2022 |
| Sprint-3 | 5 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 5 | 12 Nov 2022 |
| Sprint-4 | 8 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 8 | 19 Nov 2022 |

**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)

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

**Burndown Chart:**