

## Project Planning Phase

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

|               |                                    |
|---------------|------------------------------------|
| Date          | 18 October 2022                    |
| Team ID       | PNT2022TMID33139                   |
| Project Name  | Project – News Tracker Application |
| Maximum Marks | 8 Marks                            |

#### 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 | Registration                  | USN-1             | As a user, I can register for the application by entering my email, password, and confirming my password. | 5            | High     | S. Prithishika<br>G. Priya<br>Dharshini<br>K. Santhosini<br>K. Sri Varshini |
| Sprint-1 |                               | USN-2             | As a user, I will receive confirmation email once I have registered for the application                   | 5            | High     | S. Prithishika<br>G. Priya<br>Dharshini<br>K. Santhosini<br>K. Sri Varshini |
| Sprint-1 |                               | USN-3             | As a user, I can register for the application through Gmail   | 5            | Medium   | S. Prithishika<br>G. Priya<br>Dharshini<br>K. Santhosini<br>K. Sri Varshini |
| Sprint-1 | Login                         | USN-4             | As a user, I can log into the application by entering email & password                                    | 5            | High     | S. Prithishika<br>G. Priya<br>Dharshini<br>K. Santhosini<br>K. Sri Varshini |
| Sprint-2 | Dashboard                     | USN-5             | As a user, I can enter the interests and choices of news I want to see for the first time in dashboard.   | 10           | High     | S. Prithishika<br>G. Priya<br>Dharshini<br>K. Santhosini<br>K. Sri Varshini |
| Sprint-2 | Dashboard User Interface      | USN - 11          | Administrator designing the user interface  | 10           | Medium   | S. Prithishika<br>G. Priya  |

|          |  |       |  |    |        |   |
|----------|--|-------|--|----|--------|---|
|          |  |       |  |    |        | Dharshini<br>K. Santhosini<br>K. Sri Varshini                               |
| Sprint-3 |  | USN-6 | As a user I can go through the feed of news filtered according to my wish. | 10 | High   | S. Prithishika<br>G. Priya<br>Dharshini<br>K. Santhosini<br>K. Sri Varshini |
| Sprint-3 |  | USN-7 | As a user, I can log out my account in settings.                           | 10 | Medium | S. Prithishika<br>G. Priya<br>Dharshini<br>K. Santhosini<br>K. Sri Varshini |
| Sprint-4 |  | USN-8 | As a user, I can update my interests and choice in account settings.       | 10 | Medium | S. Prithishika<br>G. Priya<br>Dharshini<br>K. Santhosini<br>K. Sri Varshini |

| <b>Sprint</b> | <b>Functional Requirement (Epic)</b> | <b>User Story Number</b> | <b>User Story / Task</b>          | <b>Story Points</b> | <b>Priority</b> | <b>Team Members</b>   |
|---------------|--------------------------------------|--------------------------|-----------------------------------|---------------------|-----------------|---|
| Sprint-4      | Chat bot / Query                     | USN-9                    | Solve issues brought up by client | 5                   | Medium          | S. Prithishika<br>G. Priya<br>Dharshini<br>K. Santhosini<br>K. Sri Varshini |
| Sprint-4      |                                      | USN-10                   | Roll out updates and bug fixes    | 5                   | High            | S. Prithishika<br>G. Priya<br>Dharshini<br>K. Santhosini<br>K. Sri Varshini |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

| <b>Sprint</b> | <b>Total Story Points</b> | <b>Duration</b> | <b>Sprint Start Date</b> | <b>Sprint End Date (Planned)</b> | <b>Story Points Completed (as on Planned End Date)</b> | <b>Sprint Release Date (Actual)</b> |
|---------------|---------------------------|-----------------|--------------------------|----------------------------------|--|-------------------------------------|
| 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                         |

**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)

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

**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.