

## Project Planning Phase

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

|               |                                    |
|---------------|------------------------------------|
| Date          | 31 October 2022                    |
| Team ID       | PNT2022TMID07300                   |
| 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     | Aisvarya            |
| Sprint-1 |                               | USN-2             | As a user, I will receive confirmation email once I have registered for the application                   | 1            | High     | Poomalar            |
| Sprint-1 |                               | USN-3             | As a user, I can register for the application through Facebook  | 2            | Medium   | Gowthampandi        |
| Sprint-1 |                               | USN-4             | As a user, I can register for the application through Gmail   | 2            | Medium   | Jayakumar           |
| Sprint-1 | Login                         | USN-5             | As a user, I can log into the application by entering email & password                                    | 1            | High     | Aisvarya            |
| Sprint-2 | Dashboard                     | USN-6             | As a user I should be able to navigate and access all the features hassle free                            | 2            | High     | Poomalar            |
| Sprint-2 | Layout                        | USN-7             | As a user I should be able to access the portal with different devices with the same comfort              | 2            | High     | Gowthampandi        |
| Sprint-3 | Data Store and retrieval      | USN-8             | Get Data from API and store as JSON in DB2  | 3            | High     | Jayakumar, Aisvarya |
| Sprint-3 |                               | USN-9             | Get bin data from API and store in DFS  | 2            | High     | Poomalar            |

|               |                                      |                          |   |                     |                 |                     |
|---------------|--------------------------------------|--------------------------|---|---------------------|-----------------|---------------------|
| Sprint-4      | User Segregation and data access     | USN-10                   | As a CC executive I should be able to uniquely identify the customer and offer help             | 1                   | Low             | Gowthampandi        |
| <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      | Change code                          | USN-11                   | As a administrator I should be able to modify code according to the future requirements.        | 2                   | Medium          | Poomalar            |
| Sprint-4      | Monitor the system                   | USN-12                   | As a administrator I should be able to monitor the cloud system and fix errors before customer. | 1                   | High            | Gowthampandi        |

#### 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   | 30 Oct 2022       | 29 Oct 2022               | 8   | 02 Nov 2022                  |
| Sprint-2 | 20                 | 6 Days   | 01 Nov 2022       | 05 Nov 2022               | 4   | 05 Nov 2022                  |
| Sprint-3 | 20                 | 6 Days   | 07 Nov 2022       | 12 Nov 2022               | 5   | 12 Nov 2022                  |
| Sprint-4 | 20                 | 6 Days   | 14 Nov 2022       | 19 Nov 2022               | 4   | 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)

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