

## Project Planning Phase

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

|               |                          |
|---------------|--------------------------|
| Date          | 22 October 2022          |
| Team ID       | PNT2022TMID20100         |
| Project Name  | 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     | Karuppiah<br>Kowsick Srinivas<br>Navaneeth<br>Naveen Raja |
| Sprint-1 |                               | USN-2             | As a user, I will receive confirmation email once I have registered for the application                   | 1            | High     | Karuppiah<br>Kowsick Srinivas<br>Navaneeth<br>Naveen Raja |
| Sprint-2 |                               | USN-3             | As a user, I can register for the application through Facebook  | 2            | Low      | Karuppiah<br>Kousick Srinivas<br>Navaneeth<br>Naveen Raja |
| Sprint-1 |                               | USN-4             | As a user, I can register for the application through Gmail   | 2            | Medium   | Karuppiah<br>Kousick Srinivas<br>Navaneeth<br>Naveen Raja |

|          |           |        |   |   |        |   |
|----------|-----------|--------|---|---|--------|---|
| Sprint-1 | Login     | USN-5  | As a user, I can log into the application by entering email & password                          | 1 | High   | Karuppiah<br>Kousick Srinivas<br>Navaneeth<br>Naveen Raja |
| Sprint-3 | Dashboard | USN-6  | As a user, I will able to see the login and profile details                                     | 2 | Medium | Karuppiah<br>Kousick Srinivas<br>Navaneeth<br>Naveen Raja |
| Sprint-4 | Chat box  | USN-8  | As a customer care executive, I can ask about the inconvenience and the usability about the app | 2 | Medium | Karuppiah<br>Kousick Srinivas<br>Navaneeth<br>Naveen Raja |
| Sprint-1 | IBM cloud | USN-10 | As a tracker, I collect all the NEWS from the cloud   | 1 | Medium | Karuppiah<br>Kousick Srinivas<br>Navaneeth<br>Naveen Raja |
| Sprint-3 | IBM DB2   | USN-11 | As a database manager, I can collect all the user details and NEWS application details          | 2 | Medium | Karuppiah<br>Kousick Srinivas<br>Navaneeth<br>Naveen Raja |

**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                  |

**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)

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

Burndown Chart:

