

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

|               |  |
|---------------|--|
| Date          | 30 October 2022                        |
| Team ID       | PNT2022TMID04143                       |
| Project Name  | University Admit Eligibility Predictor |
| 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, you can register in the application by entering your email address, password, and confirming the password | 2            | High     | Surya T           |
| Sprint-1 |                               | USN-2             | As a user, you will receive a confirmation email after registering in the application                                | 1            | High     | Arun Niranjan V J |
| Sprint-2 |                               | USN-3             | As a user, you can register in the application via Facebook  | 2            | Low      | Sivasankar S M    |
| Sprint-1 |                               | USN-4             | As a user, you can register in the application via Gmail   | 2            | Medium   | Anish E           |
| Sprint-1 | Login                         | USN-5             | As a user, you can login to the application by entering your email and password                                      | 1            | High     | Surya T           |

### 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                 | 7 Days   | 30 Oct 2022       | 05 Nov 2022               | 20  | 04 Nov 2022                  |
| Sprint-2 | 20                 | 4 Days   | 05 Oct 2022       | 08 Nov 2022               | 20  | 07 Nov 2022                  |
| Sprint-3 | 20                 | 4 Days   | 08 Nov 2022       | 11 Nov 2022               | 20  | 10 Nov 2022                  |
| Sprint-4 | 20                 | 4 Days   | 11 Nov 2022       | 14 Nov 2022               | 20  | 13 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:

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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>  
<https://www.atlassian.com/agile/tutorials/burndown-charts>

#### Reference:

<https://www.atlassian.com/agile/project-management>  
<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>  
<https://www.atlassian.com/agile/tutorials/epics>  
<https://www.atlassian.com/agile/tutorials/sprints>  
<https://www.atlassian.com/agile/project-management/estimation>  
<https://www.atlassian.com/agile/tutorials/burndown-charts>