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

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|---|---|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID32914 |
| Project Name | Project – 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, I can register for the application by entering my email, password, and confirming my password. | 2 | High | R. Saranya M.Santhoshini R.Tamilprabha P.Vaishnavi |
| Sprint-1 | Login | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | R. Saranya M.Santhoshini R.Tamilprabha P.Vaishnavi |
| Sprint-1 | Data collection | USN-3 | Gathering the information from various resources | 1 | Medium | R. Saranya M.Santhoshini R.Tamilprabha P.Vaishnavi |
| Sprint-1 | Data pre-processing | USN-4 | To convert and clean the raw data | 1 | High | R. Saranya M.Santhoshini R.Tamilprabha P.Vaishnavi |
| Sprint-2 | Model building | USN-5 | Using cleaned dataset ,Model can be build by using Machine learning algorithm | 3 | High | R. Saranya M.Santhoshini R.Tamilprabha P.Vaishnavi |
| Sprint -2 | | USN-6 | Train the classification model. | 5 | High | R. Saranya M.Santhoshini |

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|--------|-------------------------------|-------------------|-------------------|--------------|----------|--------------|
| | | | | | | R.Tamilprabha P.Vaishnavi |
| Sprint -3 | Application Building | USN-7 | Build the python code and run the application | 5 | Medium | R. Saranya M.Santhoshini R.Tamilprabha P.Vaishnavi |
| Sprint -3 | | USN-8 | Predicted results has sent to user registered mail | 2 | Low | R. Saranya M.Santhoshini R.Tamilprabha P.Vaishnavi |
| Sprint -4 | Implementation of the application and deployment on cloud | USN-9 | Deployed on IBM Cloud | 3 | High | R. Saranya M.Santhoshini R.Tamilprabha P.Vaishnavi |

## 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:**

Image we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Lets the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{Sprint\ duration}{Velocity} = \frac{20}{10}$$

$$AV = 20/6 = 3.33$$

**BURNDOWN CHART:**

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scurum. However , burndown charts can be applied to any project containing measurable progress over time.