Project Planning Phase

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

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| Date | 08 NOVEMBER 2022 |
| Team ID | PNT2022TMID12678 |
| Project Name | Real -Time Communication System Powered By AI |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User**  **Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Data Collection | USN-1 | Collect Data set | 2 | High | D.JANANI |
| Sprint-1 |  | USN-2 | Image preprocessing | 4 | Medium | D.JANANI |
| Sprint-2 | Model Building | USN-3 | Import the required libraries, add the necessary layers and compile the model | 2 | Medium | P.LOGA SHENEHA |
| Sprint-2 |  | USN-4 | Training the image classification model using C | 4 | Medium | P.LOGA SHENEHA |

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| Sprint-3 | Training and Testing | USN-5 | Training the model and testing the model’s performance | 4 | Medium | R.KAVYA SREE |
| Sprint-4 | Implementation Of the application | USN-6 | Converting the input sign language images into English alphabet | 5 | Medium | A.PRIYADHARSHINI |

# Project Tracker, Velocity & Burn down Chart: (4 Marks)

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| --- | --- | --- | --- | --- | --- | --- |
| **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 | 6 | 6 Days | 24 Oct 2022 | 29 Oct 2022 |  | 29 Oct2022 |
| Sprint-2 | 12 | 12 Days | 31 Nov 2022 | 11 Nov 2022 |  | 11 Nov 2022 |
| Sprint-3 | 3 | 3 Days | 13 Nov 2022 | 15 Nov 2022 |  | 15 Nov 2022 |
| Sprint-4 | 4 | 4 Days | 17 Nov 2022 | 20 Nov 2022 |  | 20 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 = Sprint delivery

Duration AV = 6/10 =0.6

**Burn down Chart:**

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile [software development m](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/)ethodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) However, burn down charts can be applied to any project containing measurable progress over time.

